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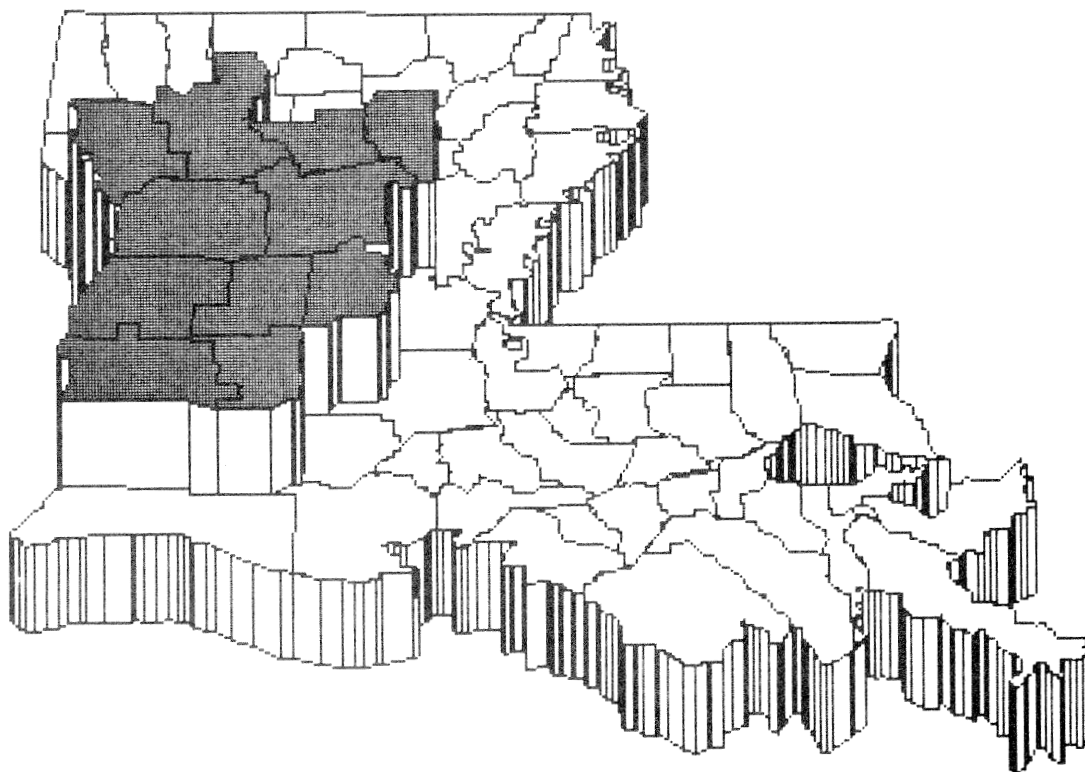
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# Forest Statistics for Southwest Louisiana Parishes

James F. Rosson, Jr. and Daniel F. Bertelson



## SUMMARY

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

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

## ACKNOWLEDGMENTS

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

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

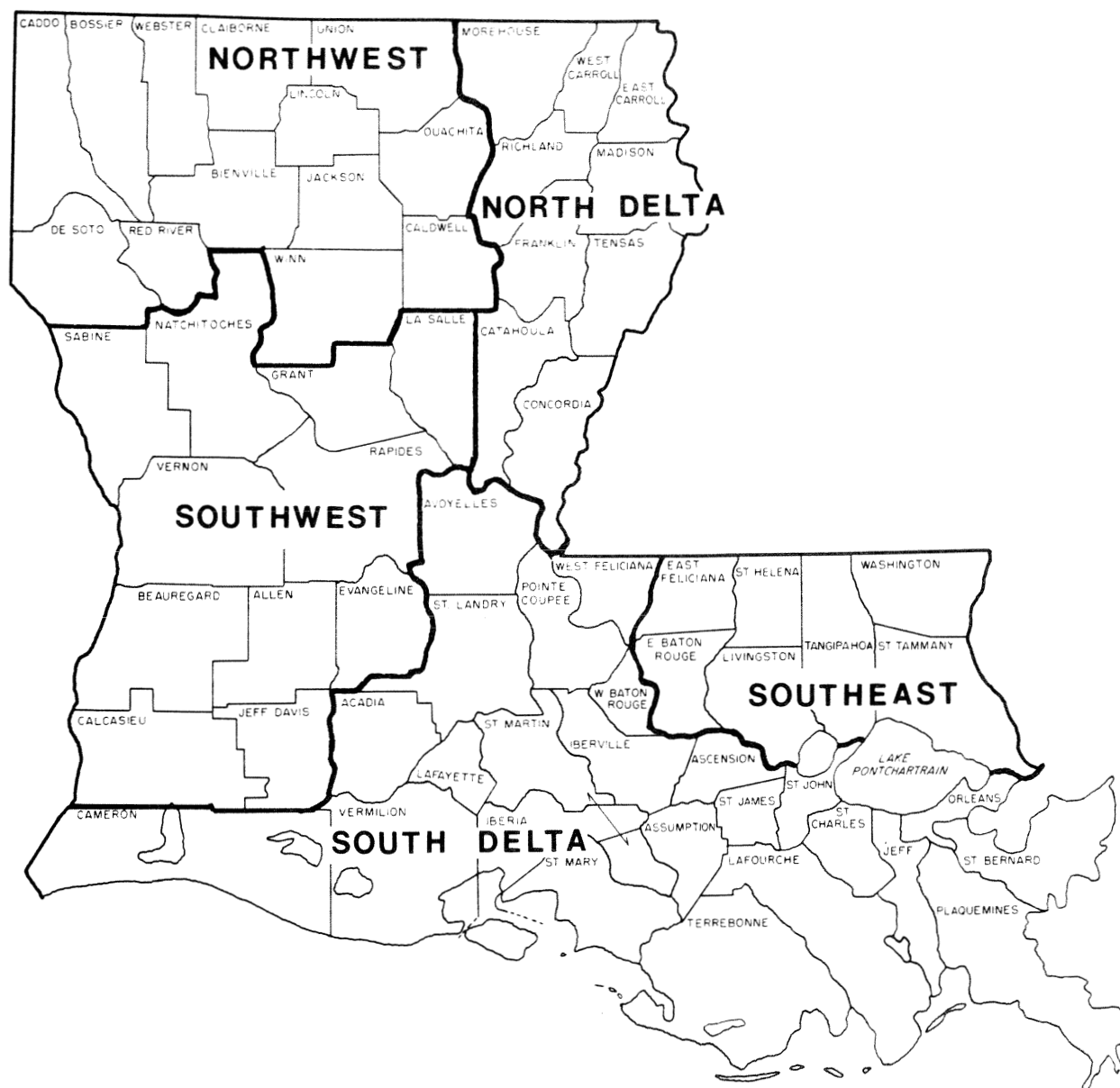


Figure 1.--The forest survey regions of Louisiana.

# Forest Statistics for Southwest Louisiana Parishes

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## HIGHLIGHTS

These tables were derived from data obtained during a 1984 inventory of 11 parishes comprising the Southwest Unit of Louisiana (fig. 1). The data on forest acreage and timber volume were secured by a systematic sampling method involving a forest-nonforest classification on aerial photographs and on-the-ground measurements of trees at sample locations. The sample locations were at the intersections of a grid of lines spaced 3 miles apart. At each forest location, per acre estimates were obtained from 5 BA 37.5 point samples.

The sampling methods were developed to provide suitable State estimates. Estimates for smaller areas are presented, but sampling error increases as the area considered decreases. Sampling errors given in table I are based on one standard deviation or a probability of two chances out of three. To estimate the sampling error for a combination of parishes one can use the following:

$$SEG = \frac{SET \sqrt{XT}}{\sqrt{XG}}$$

where:

SE = standard error of estimate (%)

X = variable of interest (area, volume)

G = group of parishes to be combined

T = total for the unit

## Timberland Area

Timberland acreage declined from the 1974 survey level, 4,538,400 acres, to 4,416,800 acres currently, a 3 percent drop. Significant gains or losses of timberland have occurred in individual parishes but offset each other for the Unit as a whole.

Table I--Sampling errors<sup>1</sup> for timberland, growing stock, and sawtimber, Southwest Louisiana, 1984

| Parish              | Timberland | Growing stock |        |          | Sawtimber<br>volume |
|---------------------|------------|---------------|--------|----------|---------------------|
|                     |            | Volume        | Growth | Removals |                     |
| ----- Percent ----- |            |               |        |          |                     |
| Allen               | 1.4        | 9.6           | 12.4   | 12.8     | 11.7                |
| Beauregard          | 2.0        | 11.7          | 8.9    | 10.3     | 14.7                |
| Calcasieu           | 1.7        | 17.9          | 20.1   | 24.5     | 20.6                |
| Evangeline          | 2.0        | 11.0          | 13.9   | 29.5     | 14.3                |
| Grant               | 2.1        | 11.3          | 9.4    | 14.2     | 13.3                |
| Jefferson Davis     | 1.3        | 21.2          | 16.7   | (2)      | 24.2                |
| La Salle            | 2.7        | 12.3          | 10.3   | 15.7     | 15.5                |
| Natchitoches        | 1.3        | 7.2           | 7.9    | 9.6      | 8.7                 |
| Rapides             | 1.9        | 9.9           | 9.5    | 15.0     | 12.0                |
| Sabine              | 1.2        | 8.9           | 8.7    | 11.5     | 10.9                |
| Vernon              | 1.2        | 8.1           | 7.8    | 10.5     | 10.6                |
| All parishes        | 0.5        | 3.4           | 3.1    | 4.3      | 4.2                 |

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

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

## Ownership

Between 1974 and 1984 nonindustrial private timberland acreage declined and forest industry acreage increased. Forest industry timberland increased 9 percent to 1,828,400 acres. Nonindustrial private timberland acreage fell to 1,943,700 acres, a 14 percent decline. Nonindustrial private timberland acreage that was leased to forest industry is included in forest industry acreage for comparison between the 1974 and 1984 inventories.

## Forest Type

While the longleaf-slash and loblolly-shortleaf forest type acreage remained relatively stable since 1974, the oak-pine forest type acreage declined 17 percent to 677,600 acres. Most of this acreage shifted to the oak-hickory type, the probable result of the cutting of pine in the oak-pine types. The dominant forest type in the Southwest unit is loblolly-shortleaf, occupying 35 percent of all timberland area.

## Stand Size

Acreage of sawtimber stands increased 8 percent to 2,390,800 acres. Poletimber stands declined 14 percent and sapling-seedling acreage declined 8 percent to 937,100 and 974,000 acres, respectively. Sawtimber stands occupy 54 percent of timberland area in the Southwest unit.

## Artificial Regeneration

A total of 816,400 acres of timberland have been artificially regenerated to softwood forest types, an increase of 112,900 acres over that reported for the 1974 survey. Total plantation acreage in softwood types represents 18 percent of the total timberland in Southwest Louisiana.

## Softwood Volume

Softwood growing-stock volume increased to 3,815 million cubic feet. The volume in sawtimber increased to 16,480 million board feet. Much of this increase in sawtimber is due to the increase in the number of larger

trees. Seventy percent of total growing-stock volume and 78 percent of sawtimber volume is in softwood.

## Hardwood Volume

There was no significant change in hardwood growing-stock or sawtimber volume between surveys. Currently, there is 1,655 million cubic feet of growing stock and 4,750 million board feet of sawtimber.

## Gross Growth

Gross growth of softwood growing-stock trees averaged 54 cubic feet per acre per year, no change since the 1974 survey period. Softwood sawtimber gross growth averaged 245 board feet per acre per year, up slightly from 215 board feet per acre per year during the 1974 survey period.

Hardwood gross growth of growing-stock trees averaged 16 cubic feet per acre per year for both the 1974 and 1984 survey periods. Gross growth for hardwood sawtimber was slightly higher for the 1984 survey period, 55 board feet per acre per year.

## Removals

Softwood growing-stock removals averaged 175 million cubic feet annually. Softwood sawtimber removals are 740 million board feet annually. Since 1974, softwood growing-stock removals have not changed but sawtimber removals are down from 865 million board feet reported in 1974.

Hardwood removals for the 1984 period averaged 50 million cubic feet per year and 140 million board feet per year for growing stock and sawtimber, respectively.

## Number of Trees

The number of live sapling-size softwood trees has decreased by 18 percent since the 1974 survey. There was a 5 percent decline in the number of live sapling-size hardwood trees. Such significant drops in the number of future merchantable softwood trees may indicate a declining inventory volume sometime in the future.



## Net Inventory Change

Softwood growing stock increased 43 million cubic feet per year (net growth minus removals). Hardwood growing stock increased 11 million cubic feet per year. These rates of increase are 14 and 67 percent below, respectively, that of the 1974 survey period.

Softwood sawtimber increased at an annual rate of 270 million board feet, up from 74 million board feet in 1974. Hardwood sawtimber increased at an annual rate of 64 million board feet, down slightly since the 1974 survey period.

## Mortality Increases

Average annual mortality of softwood growing stock increased from 10 million cubic feet in 1974 to 20 million cubic feet in 1984. Hardwood growing-stock mortality almost doubled, from 6 to 10 million cubic feet per year.

Softwood sawtimber mortality is currently 66 million board feet per year, up from 30 million board feet in 1974. Hardwood sawtimber mortality rose from 18 million board feet in 1974 to 28 million board feet per year, currently.

## Cull Volume

There was an increase of cull volume in softwoods since the 1974 survey. Cull volume increased from 50 million cubic feet in 1974 to 80 million cubic feet in 1984, a 30 million cubic foot increase. Approximately 2 percent of softwood live tree volume is in cull trees.

Cull volume for hardwoods rose to 530 million cubic feet, a 30 million cubic foot increase (7 percent) over the 1974 survey. Of the 2,186 million cubic feet of live hardwood volume, 24 percent is in cull trees.

Tables 1-25 were developed to provide compatibility among Forest Inventory and Analysis Projects. Tables 26-36 are supplementary tables and may change from unit to unit or state to state to address specific resource issues.

## DEFINITION OF TERMS

Average annual mortality.--Average annual sound-wood volume of live trees, dying from natural causes.

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

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

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

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

Growing-stock volume.--Net volume in cubic feet of growing-stock trees at least 5.0 inches in diameter at breast height, from a 1-foot stump to a minimum 4.0-inch top diameter outside bark of the central stem, or to the point where the central stem breaks into limbs.

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

Physiographic site.--A classification of forest land according to the availability of moisture for tree growth. Xeric-low or deficient in moisture. Mesic-a moderate amount of moisture. Hydric-an abundance or over abundance of moisture.

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

Rotten trees.--Live trees of commercial species that do not contain at least one 12-foot saw log, now or prospectively, primarily because of rot.

Rough trees.--Live trees of commercial species that do not contain at least one 12-foot saw log, now or prospectively, primarily because of roughness or poor form. (Includes all live trees of noncommercial species.)

Sawtimber trees.--Live trees that are of commercial species, contain at least a 12-foot saw log, and meet regional specifications for freedom from defect. Softwoods must be at least 9.0 inches in diameter at breast height and hardwoods at least 11.0 inches.

Sawtimber volume.--Net volume of the saw-log portion of live sawtimber in board feet, International 1/4-inch rule and in cubic feet.

Site class.--A classification of forest land in terms of inherent capacity to grow crops of industrial wood.

Stand-size class.--A classification of forest land based on the size class of growing-stock trees on the area; that is, sawtimber, poletimber, or sapling and seedling.

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



# CORE TABLES 1 - 25

Table 1--Area by parish and land class, Southwest Louisiana, 1984

| Parish                     | All land <sup>1</sup> | Forest land |                         |                       |                     | Nonforest land |
|----------------------------|-----------------------|-------------|-------------------------|-----------------------|---------------------|----------------|
|                            |                       | Total       | Timberland <sup>2</sup> | Woodland <sup>3</sup> | Reserved timberland |                |
| ----- Thousand acres ----- |                       |             |                         |                       |                     |                |
| Allen                      | 490.4                 | 346.6       | 346.6                   | ...                   | ...                 | 143.8          |
| Beauregard                 | 746.1                 | 594.9       | 594.9                   | ...                   | ...                 | 151.2          |
| Calcasieu                  | 699.9                 | 206.7       | 206.7                   | ...                   | ...                 | 493.2          |
| Evangeline                 | 435.3                 | 177.5       | 177.5                   | ...                   | ...                 | 257.8          |
| Grant                      | 424.9                 | 334.0       | 334.0                   | ...                   | ...                 | 90.9           |
| Jefferson Davis            | 421.5                 | 56.1        | 56.1                    | ...                   | ...                 | 365.4          |
| La Salle                   | 424.1                 | 360.0       | 360.0                   | ...                   | ...                 | 64.1           |
| Natchitoches               | 832.0                 | 563.5       | 554.5                   | ...                   | 9.0                 | 268.5          |
| Rapides                    | 871.4                 | 561.9       | 561.8                   | ...                   | 0.1                 | 309.5          |
| Sabine                     | 647.4                 | 462.6       | 462.6                   | ...                   | ...                 | 184.8          |
| Vernon                     | 858.2                 | 762.0       | 762.0                   | ...                   | ...                 | 96.3           |
| All parishes               | 6851.3                | 4425.9      | 4416.8                  | ...                   | 9.1                 | 2425.5         |

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

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

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

Table 2--Area of timberland by parish and ownership class, Southwest Louisiana, 1984

| Parish                     | All ownerships | National forest | Misc. federal | State | Parish and municipal | Forest industry <sup>1</sup> | Farmer | Corporate <sup>2</sup> | Individual <sup>2</sup> |
|----------------------------|----------------|-----------------|---------------|-------|----------------------|------------------------------|--------|------------------------|-------------------------|
| ----- Thousand acres ----- |                |                 |               |       |                      |                              |        |                        |                         |
| Allen                      | 346.6          | ...             | ...           | ...   | ...                  | 154.0                        | 5.5    | 115.5                  | 71.5                    |
| Beauregard                 | 594.9          | ...             | ...           | ...   | ...                  | 268.3                        | 29.2   | 134.1                  | 163.3                   |
| Calcasieu                  | 206.7          | ...             | ...           | ...   | ...                  | 68.9                         | ...    | 50.1                   | 87.7                    |
| Evangeline                 | 177.5          | ...             | ...           | 5.2   | 5.2                  | 26.1                         | ...    | 57.4                   | 83.5                    |
| Grant                      | 334.0          | 167.0           | ...           | ...   | ...                  | 111.3                        | ...    | 6.2                    | 49.5                    |
| Jefferson Davis            | 56.1           | ...             | ...           | ...   | ...                  | ...                          | ...    | 18.7                   | 37.4                    |
| La Salle                   | 360.0          | ...             | ...           | 33.8  | 22.5                 | 281.3                        | 5.6    | ...                    | 16.9                    |
| Natchitoches               | 554.5          | 110.9           | ...           | ...   | 11.1                 | 188.5                        | 22.2   | 66.5                   | 155.3                   |
| Rapides                    | 561.8          | 101.1           | 5.6           | 11.2  | ...                  | 112.4                        | 33.7   | 106.7                  | 191.0                   |
| Sabine                     | 462.6          | ...             | 5.8           | 11.6  | 5.8                  | 208.2                        | ...    | 23.1                   | 208.2                   |
| Vernon                     | 762.0          | 85.3            | 62.5          | ...   | ...                  | 409.4                        | 17.1   | 45.5                   | 142.2                   |
| All parishes               | 4416.8         | 464.3           | 73.9          | 61.8  | 44.6                 | 1828.4                       | 113.2  | 624.0                  | 1206.5                  |

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

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

Table 3--Area of timberland by parish and forest type group, Southwest Louisiana, 1984

| Parish                     | Total  | Forest type group      |         |                            |         |              |                 |                    |                        |
|----------------------------|--------|------------------------|---------|----------------------------|---------|--------------|-----------------|--------------------|------------------------|
|                            |        | Longleaf-slash<br>pine |         | Loblolly-shortleaf<br>pine |         | Oak-<br>pine | Oak-<br>hickory | Oak-gum<br>cypress | Elm-ash-<br>cottonwood |
|                            |        | Planted                | Natural | Planted                    | Natural |              |                 |                    |                        |
| ----- Thousand acres ----- |        |                        |         |                            |         |              |                 |                    |                        |
| Allen                      | 346.6  | 66.0                   | ...     | 16.5                       | 55.0    | 88.0         | 38.5            | 82.5               | ...                    |
| Beauregard                 | 594.9  | 192.5                  | 75.8    | 35.0                       | 87.5    | 40.8         | 58.3            | 105.0              | ...                    |
| Calcasieu                  | 206.7  | 50.1                   | 43.9    | ...                        | 56.4    | 6.3          | 18.8            | 31.3               | ...                    |
| Evangeline                 | 177.5  | 10.4                   | 10.4    | ...                        | 57.4    | 31.3         | 31.3            | 36.5               | ...                    |
| Grant                      | 334.0  | ...                    | 18.6    | 37.1                       | 99.0    | 68.0         | 61.9            | 49.5               | ...                    |
| Jefferson Davis            | 56.1   | ...                    | 6.2     | ...                        | 12.5    | 18.7         | 6.2             | 12.5               | ...                    |
| La Salle                   | 360.0  | ...                    | 5.6     | 50.6                       | 101.3   | 39.4         | 56.3            | 106.9              | ...                    |
| Natchitoches               | 554.5  | 11.1                   | 22.2    | 11.1                       | 199.6   | 83.2         | 138.6           | 72.1               | 16.6                   |
| Rapides                    | 561.8  | 28.1                   | 44.9    | 39.3                       | 157.3   | 89.9         | 56.2            | 129.2              | 16.9                   |
| Sabine                     | 462.6  | 5.8                    | ...     | 69.4                       | 144.6   | 92.5         | 127.2           | 23.1               | ...                    |
| Vernon                     | 762.0  | 119.4                  | 68.2    | 73.9                       | 227.4   | 119.4        | 85.3            | 68.2               | ...                    |
| All parishes               | 4416.8 | 483.4                  | 295.9   | 333.0                      | 1197.9  | 677.6        | 678.6           | 716.9              | 33.5                   |

Table 4--Area of timberland by parish and stand-size class, Southwest Louisiana, 1984

| Parish                     | All<br>classes | Stand-size class |            |                      | Nonstocked <sup>1</sup><br>areas |
|----------------------------|----------------|------------------|------------|----------------------|----------------------------------|
|                            |                | Sawtimber        | Poletimber | Sapling-<br>seedling |                                  |
| ----- Thousand acres ----- |                |                  |            |                      |                                  |
| Allen                      | 346.6          | 203.6            | 49.5       | 82.5                 | 11.0                             |
| Beauregard                 | 594.9          | 309.1            | 157.5      | 110.8                | 17.5                             |
| Calcasieu                  | 206.7          | 94.0             | 50.1       | 50.1                 | 12.5                             |
| Evangeline                 | 177.5          | 146.2            | 26.1       | 5.2                  | ...                              |
| Grant                      | 334.0          | 204.1            | 55.7       | 68.0                 | 6.2                              |
| Jefferson Davis            | 56.1           | 49.9             | ...        | 6.2                  | ...                              |
| La Salle                   | 360.0          | 191.3            | 73.1       | 90.0                 | 5.6                              |
| Natchitoches               | 554.5          | 293.9            | 155.3      | 94.3                 | 11.1                             |
| Rapides                    | 561.8          | 292.2            | 118.0      | 129.2                | 22.5                             |
| Sabine                     | 462.6          | 237.1            | 98.3       | 121.4                | 5.8                              |
| Vernon                     | 762.0          | 369.6            | 153.5      | 216.1                | 22.7                             |
| All parishes               | 4416.8         | 2390.8           | 937.1      | 974.0                | 114.9                            |

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

Table 5--Area of timberland by parish and site class, Southwest Louisiana, 1984

| Parish                     | All<br>classes | Site class (cubic feet/acre/year) |         |        |       |       |
|----------------------------|----------------|-----------------------------------|---------|--------|-------|-------|
|                            |                | > 165                             | 120-165 | 85-120 | 50-85 | < 50  |
| ----- Thousand acres ----- |                |                                   |         |        |       |       |
| Allen                      | 346.6          | 49.5                              | 143.0   | 93.5   | 55.0  | 5.5   |
| Beauregard                 | 594.9          | 46.7                              | 210.0   | 192.5  | 116.6 | 29.2  |
| Calcasieu                  | 206.7          | 12.5                              | 37.6    | 62.6   | 75.2  | 18.8  |
| Evangeline                 | 177.5          | 5.2                               | 83.5    | 78.3   | 10.4  | ...   |
| Grant                      | 334.0          | 30.9                              | 154.6   | 105.1  | 37.1  | 6.2   |
| Jefferson Davis            | 56.1           | 6.2                               | 25.0    | 18.7   | ...   | 6.2   |
| La Salle                   | 360.0          | 16.9                              | 33.8    | 123.8  | 163.1 | 22.5  |
| Natchitoches               | 554.5          | 22.2                              | 138.6   | 266.2  | 116.4 | 11.1  |
| Rapides                    | 561.8          | 22.5                              | 61.8    | 427.0  | 44.9  | 5.6   |
| Sabine                     | 462.6          | 69.4                              | 213.9   | 167.7  | 11.6  | ...   |
| Vernon                     | 762.0          | 62.5                              | 221.8   | 358.2  | 108.0 | 11.4  |
| All parishes               | 4416.8         | 344.6                             | 1323.6  | 1893.6 | 738.5 | 116.5 |

Table 6--Area of timberland, by parish and stocking classes of growing-stock trees, Southwest Louisiana, 1984

| Parish                     | All<br>classes | Stocking class (percent) |         |        |         |        |
|----------------------------|----------------|--------------------------|---------|--------|---------|--------|
|                            |                | > 130                    | 100-130 | 60-100 | 16.7-60 | < 16.7 |
| ----- Thousand acres ----- |                |                          |         |        |         |        |
| Allen                      | 346.6          | ...                      | 55.0    | 159.6  | 121.0   | 11.0   |
| Beauregard                 | 594.9          | 35.0                     | 110.8   | 280.0  | 151.6   | 17.5   |
| Calcasieu                  | 206.7          | ...                      | 50.1    | 87.7   | 56.4    | 12.5   |
| Evangeline                 | 177.5          | 10.4                     | 52.2    | 62.6   | 52.2    | ...    |
| Grant                      | 334.0          | 24.7                     | 92.8    | 160.8  | 49.5    | 6.2    |
| Jefferson Davis            | 56.1           | ...                      | 12.5    | 37.4   | 6.2     | ...    |
| La Salle                   | 360.0          | 39.4                     | 78.8    | 118.1  | 118.1   | 5.6    |
| Natchitoches               | 554.5          | 33.3                     | 122.0   | 266.2  | 122.0   | 11.1   |
| Rapides                    | 561.8          | 33.7                     | 129.2   | 264.1  | 112.4   | 22.5   |
| Sabine                     | 462.6          | 46.3                     | 98.3    | 231.3  | 81.0    | 5.8    |
| Vernon                     | 762.0          | 51.2                     | 119.4   | 346.9  | 221.8   | 22.7   |
| All parishes               | 4416.8         | 274.0                    | 921.1   | 2014.6 | 1092.2  | 114.9  |

Table 7--Area of timberland by forest type and ownership class, Southwest Louisiana, 1984

| Forest type <sup>1</sup>   | All<br>ownerships | National<br>forest | Other<br>public | Forest<br>industry | Forest<br>industry-<br>leased | Other<br>private |
|----------------------------|-------------------|--------------------|-----------------|--------------------|-------------------------------|------------------|
| ----- Thousand acres ----- |                   |                    |                 |                    |                               |                  |
| Longleaf-slash pine        | 779.3             | 102.5              | 11.4            | 262.8              | 141.7                         | 260.9            |
| Loblolly-shortleaf pine    | 1530.9            | 170.2              | 61.9            | 548.0              | 118.1                         | 632.7            |
| Softwood total             | 2310.2            | 272.7              | 73.3            | 810.8              | 259.9                         | 893.6            |
| Oak-pine                   | 677.6             | 91.9               | 28.7            | 194.4              | 55.9                          | 306.8            |
| Oak-hickory                | 678.6             | 64.6               | 5.7             | 211.1              | 61.5                          | 335.8            |
| Oak-gum-cypress            | 716.9             | 35.2               | 72.7            | 154.3              | 80.6                          | 374.1            |
| Elm-ash-cottonwood         | 33.5              | ...                | ...             | ...                | ...                           | 33.5             |
| Hardwood total             | 2106.5            | 191.6              | 107.0           | 559.8              | 198.0                         | 1050.1           |
| All types                  | 4416.8            | 464.3              | 180.3           | 1370.6             | 457.9                         | 1943.7           |

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

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

Table 8--Area of timberland, by ownership and stocking classes of growing-stock trees, Southwest Louisiana, 1984

| Ownership<br>class         | All<br>classes | Stocking class (percent) |         |        |         |        |
|----------------------------|----------------|--------------------------|---------|--------|---------|--------|
|                            |                | > 130                    | 100-130 | 60-100 | 16.7-60 | < 16.7 |
| ----- Thousand acres ----- |                |                          |         |        |         |        |
| National forest            | 464.3          | 30.4                     | 116.8   | 219.2  | 97.9    | ...    |
| Other public               | 180.3          | ...                      | 16.5    | 85.2   | 78.6    | ...    |
| Forest industry            | 1370.6         | 119.0                    | 316.2   | 649.6  | 246.0   | 39.8   |
| Forest industry-leased     | 457.9          | 17.1                     | 74.4    | 197.5  | 146.2   | 22.8   |
| Other private              | 1943.7         | 107.5                    | 397.2   | 863.2  | 523.6   | 52.3   |
| All ownerships             | 4416.8         | 274.0                    | 921.1   | 2014.6 | 1092.2  | 114.9  |

Table 9--Area of timberland by forest type and stand-size class,  
Southwest Louisiana, 1984

| Forest type <sup>1</sup>   | All<br>classes | Stand-size class |            |                      | Nonstocked<br>areas |
|----------------------------|----------------|------------------|------------|----------------------|---------------------|
|                            |                | Sawtimber        | Poletimber | Sapling-<br>seedling |                     |
| ----- Thousand acres ----- |                |                  |            |                      |                     |
| Longleaf-slash pine        | 779.3          | 362.3            | 242.3      | 162.7                | 12.0                |
| Loblolly-shortleaf pine    | 1530.9         | 952.6            | 228.7      | 343.4                | 6.3                 |
| Softwood total             | 2310.2         | 1314.9           | 471.0      | 506.1                | 18.2                |
| Oak-pine                   | 677.6          | 404.0            | 125.7      | 136.9                | 11.0                |
| Oak-hickory                | 678.6          | 216.3            | 209.8      | 229.6                | 22.9                |
| Oak-gum-cypress            | 716.9          | 444.5            | 125.0      | 84.6                 | 62.8                |
| Elm-ash-cottonwood         | 33.5           | 11.2             | 5.5        | 16.8                 | ...                 |
| Hardwood total             | 2106.5         | 1075.9           | 466.1      | 467.9                | 96.7                |
| All types                  | 4416.8         | 2390.8           | 937.1      | 974.0                | 114.9               |

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

Table 10--Number of live trees on timberland by species and diameter class, Southwest Louisiana, 1984

| Species                    | Diameter class (inches at breast height) |             |             |             |             |              |               |               |               |               |               |               |                  |
|----------------------------|------------------------------------------|-------------|-------------|-------------|-------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|------------------|
|                            | All<br>classes                           | 1.0-<br>2.9 | 3.0-<br>4.9 | 5.0-<br>6.9 | 7.0-<br>8.9 | 9.0-<br>10.9 | 11.0-<br>12.9 | 13.0-<br>14.9 | 15.0-<br>16.9 | 17.0-<br>18.9 | 19.0-<br>20.9 | 21.0-<br>28.9 | 29.0 &<br>larger |
| ----- Thousand trees ----- |                                          |             |             |             |             |              |               |               |               |               |               |               |                  |
| Longleaf-slash pines       | 203045                                   | 62417       | 39869       | 35364       | 30601       | 18471        | 7815          | 4518          | 2276          | 1064          | 396           | 246           | 8                |
| Shortleaf-loblolly pine    | 675565                                   | 304722      | 158108      | 76127       | 45695       | 34361        | 21386         | 14158         | 9280          | 5375          | 3010          | 3246          | 96               |
| Other yellow pines         | 48                                       | ...         | ...         | ...         | ...         | ...          | 48            | ...           | ...           | ...           | ...           | ...           | ...              |
| Cypress                    | 15792                                    | 6178        | 4637        | 1975        | 1227        | 423          | 580           | 196           | 219           | 143           | ...           | 168           | 46               |
| Other softwoods            | 1196                                     | 1109        | ...         | ...         | ...         | 87           | ...           | ...           | ...           | ...           | ...           | ...           | ...              |
| Total softwoods            | 895646                                   | 374426      | 202615      | 113466      | 77523       | 53342        | 29829         | 18872         | 11776         | 6582          | 3406          | 3660          | 149              |
| Select white oaks          | 50599                                    | 28684       | 9879        | 3703        | 1912        | 2340         | 1800          | 718           | 519           | 529           | 119           | 322           | 71               |
| Select red oaks            | 22745                                    | 11715       | 4585        | 2084        | 1451        | 895          | 604           | 460           | 395           | 190           | 143           | 189           | 34               |
| Other white oaks           | 78070                                    | 48407       | 12993       | 5728        | 4791        | 1593         | 1804          | 1075          | 590           | 349           | 261           | 378           | 101              |
| Other red oaks             | 200511                                   | 138672      | 22199       | 10634       | 7937        | 7256         | 5438          | 2565          | 2075          | 1655          | 544           | 1274          | 262              |
| Hickory                    | 54131                                    | 35125       | 7135        | 5183        | 1544        | 1241         | 1348          | 850           | 713           | 423           | 199           | 336           | 33               |
| Hard maple                 | 6954                                     | 6144        | 530         | 212         | ...         | 68           | ...           | ...           | ...           | ...           | ...           | ...           | ...              |
| Soft maple                 | 87560                                    | 63558       | 14973       | 5455        | 1433        | 1062         | 658           | 278           | 97            | 23            | 22            | ...           | ...              |
| Beech                      | 8598                                     | 4116        | ...         | 408         | 118         | 658          | 721           | 532           | 716           | 356           | 258           | 596           | 118              |
| Sweetgum                   | 314998                                   | 199924      | 61738       | 26533       | 10066       | 6852         | 4307          | 2364          | 1255          | 805           | 566           | 544           | 43               |
| Tupelo-blackgum            | 142585                                   | 102330      | 18556       | 9062        | 4448        | 2504         | 1730          | 1489          | 1234          | 651           | 294           | 264           | 24               |
| Ash                        | 53629                                    | 39638       | 7711        | 1761        | 2021        | 1138         | 509           | 450           | 212           | 69            | 39            | 83            | ...              |
| Basswood                   | 2155                                     | 2060        | ...         | ...         | ...         | 78           | ...           | ...           | ...           | ...           | ...           | 17            | ...              |
| Yellow-poplar              | 13                                       | ...         | ...         | ...         | ...         | ...          | ...           | ...           | ...           | ...           | ...           | ...           | 13               |
| Other hardwoods            | 233125                                   | 172007      | 40280       | 9708        | 4718        | 2864         | 1640          | 929           | 519           | 218           | 74            | 141           | 27               |
| Total hardwoods            | 1255673                                  | 852382      | 200579      | 80471       | 40439       | 28549        | 20561         | 11711         | 8326          | 5267          | 2518          | 4143          | 726              |
| Noncommercial              | 296580                                   | 228662      | 39729       | 19107       | 5360        | 2134         | 1162          | 385           | 32            | ...           | ...           | ...           | 10               |
| All species                | 2447898                                  | 1455470     | 442922      | 213044      | 123322      | 84026        | 51551         | 30968         | 20134         | 11849         | 5925          | 7803          | 886              |

Table 11--Number of growing-stock trees on timberland by species and diameter class, Southwest Louisiana, 1984

| Species                    | Diameter class (inches at breast height) |         |         |         |         |          |           |           |           |           |           |           |               |
|----------------------------|------------------------------------------|---------|---------|---------|---------|----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------|
|                            | All classes                              | 1.0-2.9 | 3.0-4.9 | 5.0-6.9 | 7.0-8.9 | 9.0-10.9 | 11.0-12.9 | 13.0-14.9 | 15.0-16.9 | 17.0-18.9 | 19.0-20.9 | 21.0-28.9 | 29.0 & larger |
| ----- Thousand trees ----- |                                          |         |         |         |         |          |           |           |           |           |           |           |               |
| Longleaf-slash pines       | 173236                                   | 45179   | 33022   | 30920   | 29790   | 18168    | 7697      | 4480      | 2276      | 1064      | 396       | 236       | 8             |
| Shortleaf-loblolly pine    | 507709                                   | 190729  | 117601  | 67219   | 43380   | 33200    | 21105     | 13788     | 9187      | 5278      | 2927      | 3203      | 90            |
| Other yellow pines         | 48                                       | ...     | ...     | ...     | ...     | ...      | 48        | ...       | ...       | ...       | ...       | ...       | ...           |
| Cypress                    | 11519                                    | 2577    | 4122    | 1975    | 1227    | 423      | 517       | 162       | 219       | 143       | ...       | 143       | 10            |
| Other softwoods            | 1196                                     | 1109    | ...     | ...     | ...     | 87       | ...       | ...       | ...       | ...       | ...       | ...       | ...           |
| Total softwoods            | 693707                                   | 239595  | 154744  | 100114  | 74397   | 51879    | 29367     | 18430     | 11683     | 6485      | 3324      | 3581      | 107           |
| Select white oaks          | 28327                                    | 12569   | 6195    | 2867    | 1667    | 2021     | 1295      | 638       | 382       | 373       | 77        | 229       | 16            |
| Select red oaks            | 15168                                    | 5575    | 3602    | 1839    | 1451    | 895      | 604       | 460       | 306       | 190       | 124       | 102       | 22            |
| Other white oaks           | 34869                                    | 18016   | 5241    | 3558    | 3432    | 1329     | 1347      | 754       | 499       | 170       | 180       | 279       | 63            |
| Other red oaks             | 102202                                   | 58956   | 12689   | 8282    | 6351    | 5584     | 4412      | 2032      | 1566      | 1190      | 329       | 741       | 70            |
| Hickory                    | 24580                                    | 10187   | 5590    | 3296    | 1390    | 1241     | 902       | 701       | 588       | 322       | 120       | 244       | ...           |
| Soft maple                 | 21568                                    | 12516   | 4629    | 2437    | 1097    | 572      | 182       | 78        | 36        | ...       | 22        | ...       | ...           |
| Beech                      | 3039                                     | 515     | ...     | 408     | ...     | 434      | 342       | 288       | 443       | 217       | 78        | 293       | 20            |
| Sweetgum                   | 159391                                   | 77504   | 39183   | 20693   | 8089    | 6027     | 3397      | 1924      | 1106      | 634       | 448       | 387       | ...           |
| Tupelo-blackgum            | 36131                                    | 14817   | 7396    | 5322    | 2675    | 1861     | 1118      | 1220      | 1043      | 400       | 155       | 114       | 9             |
| Ash                        | 14752                                    | 7256    | 3075    | 1096    | 1400    | 982      | 285       | 413       | 212       | ...       | 20        | 13        | ...           |
| Basswood                   | 593                                      | 515     | ...     | ...     | ...     | 78       | ...       | ...       | ...       | ...       | ...       | ...       | ...           |
| Yellow-poplar              | 13                                       | ...     | ...     | ...     | ...     | ...      | ...       | ...       | ...       | ...       | ...       | ...       | 13            |
| Other hardwoods            | 70201                                    | 45075   | 13895   | 4728    | 3099    | 1692     | 662       | 568       | 255       | 146       | 37        | 45        | ...           |
| Total hardwoods            | 510835                                   | 263500  | 101494  | 54528   | 30649   | 22715    | 14546     | 9078      | 6435      | 3642      | 1590      | 2447      | 212           |
| All species                | 1204542                                  | 503095  | 256239  | 154642  | 105046  | 74593    | 43913     | 27509     | 18118     | 10127     | 4913      | 6028      | 319           |

Table 12--Volume of growing stock on timberland by species and diameter class, Southwest Louisiana, 1984

| Species                        | Diameter class (inches at breast height) |         |         |          |           |           |           |           |           |           |               |
|--------------------------------|------------------------------------------|---------|---------|----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------|
|                                | All classes                              | 5.0-6.9 | 7.0-8.9 | 9.0-10.9 | 11.0-12.9 | 13.0-14.9 | 15.0-16.9 | 17.0-18.9 | 19.0-20.9 | 21.0-28.9 | 29.0 & larger |
| ----- Million cubic feet ----- |                                          |         |         |          |           |           |           |           |           |           |               |
| Longleaf-slash pines           | 941.1                                    | 77.1    | 196.7   | 215.3    | 147.4     | 134.0     | 82.7      | 51.1      | 20.9      | 14.3      | 1.5           |
| Shortleaf-loblolly pine        | 2819.8                                   | 137.0   | 260.5   | 390.7    | 410.6     | 401.8     | 371.7     | 288.5     | 209.5     | 330.8     | 18.6          |
| Other yellow pines             | 1.4                                      | ...     | ...     | ...      | 1.4       | ...       | ...       | ...       | ...       | ...       | ...           |
| Cypress                        | 51.6                                     | 3.1     | 5.8     | 4.1      | 8.2       | 4.7       | 7.9       | 6.7       | ...       | 9.7       | 1.2           |
| Other softwoods                | 0.8                                      | ...     | ...     | 0.8      | ...       | ...       | ...       | ...       | ...       | ...       | ...           |
| Total softwoods                | 3814.6                                   | 217.2   | 463.1   | 610.9    | 567.6     | 540.6     | 462.3     | 346.3     | 230.4     | 354.9     | 21.3          |
| Select white oaks              | 121.5                                    | 4.6     | 10.0    | 22.1     | 22.3      | 15.8      | 12.2      | 12.7      | 4.1       | 16.0      | 1.8           |
| Select red oaks                | 92.4                                     | 4.9     | 10.0    | 10.4     | 12.4      | 14.1      | 10.4      | 10.0      | 9.9       | 7.1       | 3.2           |
| Other white oaks               | 119.0                                    | 6.6     | 16.4    | 13.7     | 17.7      | 14.4      | 12.7      | 6.3       | 8.4       | 16.0      | 6.8           |
| Other red oaks                 | 411.9                                    | 19.8    | 37.8    | 56.7     | 78.4      | 47.7      | 48.0      | 46.8      | 18.8      | 49.7      | 8.3           |
| Hickory                        | 125.2                                    | 11.3    | 8.3     | 14.4     | 15.2      | 18.0      | 17.3      | 15.2      | 7.0       | 18.5      | ...           |
| Soft maple                     | 26.8                                     | 6.1     | 7.0     | 5.2      | 3.6       | 2.0       | 1.6       | ...       | 1.3       | ...       | ...           |
| Beech                          | 60.8                                     | 0.7     | ...     | 3.3      | 5.6       | 6.1       | 13.2      | 8.2       | 3.2       | 17.7      | 2.8           |
| Sweetgum                       | 408.2                                    | 39.0    | 48.8    | 68.2     | 61.9      | 54.3      | 45.9      | 29.6      | 25.6      | 34.8      | ...           |
| Tupelo-blackgum                | 148.9                                    | 8.7     | 13.8    | 17.2     | 16.4      | 27.2      | 32.1      | 16.7      | 7.1       | 9.3       | 0.5           |
| Ash                            | 47.0                                     | 3.0     | 9.5     | 11.9     | 3.2       | 10.5      | 7.0       | ...       | 1.4       | 0.5       | ...           |
| Basswood                       | 0.8                                      | ...     | ...     | 0.8      | ...       | ...       | ...       | ...       | ...       | ...       | ...           |
| Yellow-poplar                  | 2.6                                      | ...     | ...     | ...      | ...       | ...       | ...       | ...       | ...       | ...       | 2.6           |
| Other hardwoods                | 90.8                                     | 8.9     | 18.1    | 17.9     | 12.4      | 15.2      | 6.4       | 6.5       | 3.0       | 2.4       | ...           |
| Total hardwoods                | 1655.8                                   | 113.6   | 179.7   | 241.9    | 248.9     | 225.2     | 206.8     | 151.8     | 90.0      | 171.8     | 26.0          |
| All species                    | 5470.5                                   | 330.7   | 642.8   | 852.9    | 816.5     | 765.8     | 669.1     | 498.1     | 320.4     | 526.8     | 47.3          |



Table 13--Volume of growing stock in the saw-log portion of sawtimber<sup>1</sup> trees on timberland by species and diameter class, Southwest Louisiana, 1984

| Species                        | Diameter class (inches at breast height) |          |           |           |           |           |           |           |               |
|--------------------------------|------------------------------------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------|
|                                | All classes                              | 9.0-10.9 | 11.0-12.9 | 13.0-14.9 | 15.0-16.9 | 17.0-18.9 | 19.0-20.9 | 21.0-28.9 | 29.0 & larger |
| ----- Million cubic feet ----- |                                          |          |           |           |           |           |           |           |               |
| Longleaf-slash pines           | 524.3                                    | 162.5    | 114.7     | 106.4     | 67.1      | 42.2      | 17.7      | 12.5      | 1.3           |
| Shortleaf-loblolly pine        | 2220.4                                   | 329.5    | 360.4     | 363.8     | 345.1     | 273.8     | 201.1     | 328.0     | 18.6          |
| Other yellow pines             | 1.3                                      | ...      | 1.3       | ...       | ...       | ...       | ...       | ...       | ...           |
| Cypress                        | 35.1                                     | 1.2      | 6.4       | 3.9       | 6.8       | 6.1       | ...       | 9.4       | 1.2           |
| Other softwoods                | 0.7                                      | 0.7      | ...       | ...       | ...       | ...       | ...       | ...       | ...           |
| Total softwoods                | 2781.8                                   | 493.9    | 482.8     | 474.1     | 419.0     | 322.1     | 218.9     | 349.8     | 21.1          |
| Select white oaks              | 70.8                                     | ...      | 17.8      | 12.9      | 10.3      | 10.7      | 3.6       | 13.9      | 1.6           |
| Select red oaks                | 55.3                                     | ...      | 9.7       | 11.5      | 8.5       | 8.2       | 8.3       | 6.1       | 2.9           |
| Other white oaks               | 68.3                                     | ...      | 14.1      | 11.6      | 10.5      | 5.2       | 7.2       | 13.8      | 5.9           |
| Other red oaks                 | 246.5                                    | ...      | 62.6      | 38.5      | 40.0      | 39.2      | 16.0      | 42.8      | 7.5           |
| Hickory                        | 78.4                                     | ...      | 12.4      | 14.9      | 14.9      | 13.0      | 6.2       | 17.0      | ...           |
| Soft maple                     | 7.0                                      | ...      | 2.8       | 1.7       | 1.3       | ...       | 1.1       | ...       | ...           |
| Beech                          | 49.7                                     | ...      | 4.5       | 5.1       | 11.3      | 7.1       | 2.9       | 16.0      | 2.8           |
| Sweetgum                       | 218.1                                    | ...      | 44.1      | 43.8      | 41.5      | 28.4      | 25.6      | 34.8      | ...           |
| Tupelo-blackgum                | 95.4                                     | ...      | 12.3      | 22.1      | 28.6      | 15.8      | 6.8       | 9.2       | 0.5           |
| Ash                            | 18.7                                     | ...      | 2.6       | 8.6       | 5.8       | ...       | 1.3       | 0.4       | ...           |
| Yellow-poplar                  | 2.6                                      | ...      | ...       | ...       | ...       | ...       | ...       | ...       | 2.6           |
| Other hardwoods                | 38.3                                     | ...      | 9.8       | 12.6      | 5.4       | 5.8       | 2.6       | 2.2       | ...           |
| Total hardwoods                | 949.1                                    | ...      | 192.6     | 183.2     | 178.0     | 133.4     | 81.6      | 156.2     | 24.0          |
| All species                    | 3730.9                                   | 493.9    | 675.4     | 657.4     | 597.1     | 455.5     | 300.5     | 506.1     | 45.1          |

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

Table 14--Volume of sawtimber on timberland by species and diameter class, Southwest Louisiana, 1984

| Species                        | Diameter class (inches at breast height) |          |           |           |           |           |           |           |               |
|--------------------------------|------------------------------------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------|
|                                | All classes                              | 9.0-10.9 | 11.0-12.9 | 13.0-14.9 | 15.0-16.9 | 17.0-18.9 | 19.0-20.9 | 21.0-28.9 | 29.0 & larger |
| ----- Million board feet ----- |                                          |          |           |           |           |           |           |           |               |
| Longleaf-slash pines           | 2741.6                                   | 770.9    | 580.2     | 574.6     | 375.0     | 247.4     | 106.3     | 78.2      | 9.1           |
| Shortleaf-loblolly pine        | 13562.7                                  | 1584.9   | 1920.8    | 2119.4    | 2144.7    | 1801.8    | 1390.5    | 2452.0    | 148.6         |
| Other yellow pines             | 6.3                                      | ...      | 6.3       | ...       | ...       | ...       | ...       | ...       | ...           |
| Cypress                        | 168.4                                    | 5.6      | 25.4      | 17.2      | 31.8      | 30.1      | ...       | 50.8      | 7.5           |
| Other softwoods                | 3.7                                      | 3.7      | ...       | ...       | ...       | ...       | ...       | ...       | ...           |
| Total softwoods                | 16482.6                                  | 2365.0   | 2532.7    | 2711.1    | 2551.5    | 2079.3    | 1496.8    | 2581.0    | 165.1         |
| Select white oaks              | 353.7                                    | ...      | 78.4      | 62.4      | 50.4      | 54.6      | 17.2      | 80.3      | 10.5          |
| Select red oaks                | 280.6                                    | ...      | 42.4      | 53.8      | 41.8      | 43.0      | 45.4      | 35.0      | 19.2          |
| Other white oaks               | 347.6                                    | ...      | 59.1      | 53.4      | 50.9      | 27.2      | 39.2      | 79.6      | 38.2          |
| Other red oaks                 | 1234.5                                   | ...      | 269.2     | 179.4     | 199.2     | 201.6     | 85.1      | 250.7     | 49.3          |
| Hickory                        | 399.5                                    | ...      | 53.0      | 68.7      | 73.6      | 68.5      | 33.8      | 101.9     | ...           |
| Soft maple                     | 32.3                                     | ...      | 11.7      | 7.7       | 6.6       | ...       | 6.3       | ...       | ...           |
| Beech                          | 262.7                                    | ...      | 19.7      | 24.2      | 55.3      | 37.4      | 15.2      | 93.0      | 17.9          |
| Sweetgum                       | 1085.8                                   | ...      | 166.1     | 191.5     | 201.1     | 152.3     | 149.5     | 225.4     | ...           |
| Tupelo-blackgum                | 452.3                                    | ...      | 45.1      | 95.3      | 135.6     | 83.5      | 36.5      | 53.1      | 3.2           |
| Ash                            | 90.5                                     | ...      | 11.4      | 40.5      | 29.1      | ...       | 7.0       | 2.5       | ...           |
| Yellow-poplar                  | 20.8                                     | ...      | ...       | ...       | ...       | ...       | ...       | ...       | 20.8          |
| Other hardwoods                | 183.0                                    | ...      | 42.8      | 58.3      | 26.6      | 28.5      | 14.7      | 12.2      | ...           |
| Total hardwoods                | 4743.3                                   | ...      | 798.7     | 835.1     | 870.1     | 696.7     | 449.8     | 933.7     | 159.1         |
| All species                    | 21225.9                                  | 2365.0   | 3331.4    | 3546.2    | 3421.6    | 2776.0    | 1946.6    | 3514.7    | 324.2         |

Table 15--Volume of growing stock and sawtimber on timberland by parish and species group, Southwest Louisiana, 1984

| Parish                                                             | Growing stock |          |         |       |                   |                   | Sawtimber   |          |         |       |                   |                   |
|--------------------------------------------------------------------|---------------|----------|---------|-------|-------------------|-------------------|-------------|----------|---------|-------|-------------------|-------------------|
|                                                                    | All species   | Softwood |         |       | Hardwood          |                   | All species | Softwood |         |       | Hardwood          |                   |
|                                                                    |               | Pine     |         | Other | Soft <sup>1</sup> | Hard <sup>2</sup> |             | Pine     |         | Other | Soft <sup>1</sup> | Hard <sup>2</sup> |
|                                                                    |               | Planted  | Natural |       |                   |                   |             | Planted  | Natural |       |                   |                   |
| ----- Million cubic feet -----      ----- Million board feet ----- |               |          |         |       |                   |                   |             |          |         |       |                   |                   |
| Allen                                                              | 387.4         | 73.2     | 188.1   | 3.1   | 63.3              | 59.7              | 1639.9      | 225.8    | 1011.6  | 12.2  | 200.6             | 189.7             |
| Beauregard                                                         | 701.5         | 322.6    | 196.3   | 6.1   | 78.2              | 98.2              | 2212.4      | 810.4    | 790.4   | 28.1  | 276.8             | 306.7             |
| Calcasieu                                                          | 187.9         | 30.1     | 113.5   | 6.2   | 16.3              | 21.7              | 702.6       | 24.5     | 552.6   | 24.4  | 32.5              | 68.7              |
| Evangeline                                                         | 309.0         | 15.8     | 177.2   | 1.5   | 62.3              | 52.1              | 1293.4      | 36.4     | 884.2   | 0.6   | 200.6             | 171.5             |
| Grant                                                              | 580.3         | 17.8     | 376.3   | 3.3   | 50.1              | 132.9             | 2630.8      | 51.9     | 2031.5  | 11.9  | 164.1             | 371.3             |
| Jefferson Davis                                                    | 93.6          | ...      | 55.0    | ...   | 13.3              | 25.3              | 420.7       | ...      | 298.0   | ...   | 37.0              | 85.6              |
| La Salle                                                           | 407.7         | 75.9     | 164.4   | 5.7   | 31.2              | 130.4             | 1567.6      | 278.5    | 702.4   | 19.4  | 80.9              | 486.3             |
| Natchitoches                                                       | 712.1         | 32.7     | 435.9   | 4.8   | 81.3              | 157.4             | 2649.4      | 136.5    | 2026.7  | 13.2  | 137.1             | 335.8             |
| Rapides                                                            | 712.3         | 37.2     | 418.7   | 19.3  | 93.9              | 143.3             | 2880.6      | 68.2     | 2015.4  | 57.1  | 300.7             | 439.2             |
| Sabine                                                             | 619.6         | 74.1     | 377.2   | 0.9   | 69.7              | 97.7              | 2544.5      | 253.2    | 1855.8  | 2.9   | 125.8             | 306.7             |
| Vernon                                                             | 759.0         | 161.7    | 418.4   | 1.4   | 79.7              | 97.7              | 2684.2      | 444.9    | 1811.4  | 2.3   | 170.7             | 255.0             |
| All parishes                                                       | 5470.5        | 841.1    | 2921.1  | 52.4  | 639.4             | 1016.4            | 21225.9     | 2330.4   | 13980.2 | 172.1 | 1726.8            | 3016.5            |

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

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

Table 16--Volume of timber on timberland by class of timber and species group,  
Southwest Louisiana, 1984

| Class of timber         | All species | Softwood                       |         |       | Hardwood          |                   |
|-------------------------|-------------|--------------------------------|---------|-------|-------------------|-------------------|
|                         |             | Pine Planted                   | Natural | Other | Soft <sup>1</sup> | Hard <sup>2</sup> |
|                         |             | ----- Million cubic feet ----- |         |       |                   |                   |
| Sawtimber trees:        |             |                                |         |       |                   |                   |
| Saw-log portion         | 3730.9      | 448.4                          | 2297.6  | 35.8  | 351.2             | 597.9             |
| Upper-stem portion      | 524.1       | 102.3                          | 242.6   | 7.7   | 54.7              | 116.9             |
| Total                   | 4255.0      | 550.6                          | 2540.2  | 43.5  | 405.9             | 714.7             |
| Poletimber trees        | 1215.5      | 290.4                          | 380.9   | 8.9   | 233.5             | 301.7             |
| All growing-stock trees | 5470.5      | 841.1                          | 2921.1  | 52.4  | 639.4             | 1016.4            |
| Rough trees:            |             |                                |         |       |                   |                   |
| Sawtimber size          | 289.0       | 7.7                            | 31.1    | 4.1   | 72.0              | 174.2             |
| Poletimber size         | 181.5       | 11.7                           | 21.9    | ...   | 46.4              | 101.5             |
| Total                   | 470.5       | 19.4                           | 53.0    | 4.1   | 118.3             | 275.7             |
| Rotten trees:           |             |                                |         |       |                   |                   |
| Sawtimber size          | 131.3       | ...                            | 1.7     | 1.4   | 48.3              | 79.9              |
| Poletimber size         | 8.3         | 0.1                            | ...     | ...   | 5.3               | 2.8               |
| Total                   | 139.6       | 0.1                            | 1.7     | 1.4   | 53.6              | 82.8              |
| Salvable dead trees:    |             |                                |         |       |                   |                   |
| Sawtimber size          | 34.3        | 8.5                            | 12.0    | ...   | 5.8               | 8.0               |
| Poletimber size         | 23.7        | 7.2                            | 10.5    | ...   | 2.7               | 3.3               |
| Total                   | 58.0        | 15.7                           | 22.5    | ...   | 8.5               | 11.3              |
| All classes             | 6138.6      | 876.3                          | 2998.3  | 57.9  | 819.9             | 1386.3            |

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

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

Table 17--Volume of live trees and growing stock on timberland by ownership class and species group, Southwest Louisiana, 1984

| Ownership class                | Live trees  |          |         |       |                   |                   | Growing stock |          |         |       |                   |                   |
|--------------------------------|-------------|----------|---------|-------|-------------------|-------------------|---------------|----------|---------|-------|-------------------|-------------------|
|                                | All species | Softwood |         |       | Hardwood          |                   | All species   | Softwood |         |       | Hardwood          |                   |
|                                |             | Pine     |         | Other | Soft <sup>1</sup> | Hard <sup>2</sup> |               | Pine     |         | Other | Soft <sup>1</sup> | Hard <sup>2</sup> |
|                                |             | Planted  | Natural |       |                   |                   |               | Planted  | Natural |       |                   |                   |
| ----- Million cubic feet ----- |             |          |         |       |                   |                   |               |          |         |       |                   |                   |
| National forest                | 831.3       | 69.6     | 501.8   | 4.6   | 89.0              | 166.4             | 773.4         | 68.7     | 497.6   | 4.6   | 70.5              | 132.0             |
| Other public                   | 207.7       | ...      | 94.0    | 0.2   | 21.1              | 92.3              | 180.3         | ...      | 89.9    | 0.2   | 15.3              | 74.8              |
| Forest industry                | 1779.1      | 330.8    | 872.3   | 9.4   | 211.9             | 354.7             | 1623.7        | 325.3    | 856.2   | 8.7   | 172.5             | 260.9             |
| Forest industry-leased         | 517.3       | 128.1    | 174.1   | 5.0   | 85.3              | 124.8             | 440.3         | 122.1    | 170.1   | 5.0   | 62.4              | 80.7              |
| Other private                  | 2745.3      | 332.2    | 1333.6  | 38.7  | 404.0             | 636.8             | 2452.8        | 324.9    | 1307.4  | 33.9  | 318.7             | 468.0             |
| All ownerships                 | 6080.6      | 860.6    | 2975.8  | 57.9  | 811.4             | 1374.9            | 5470.5        | 841.1    | 2921.1  | 52.4  | 639.4             | 1016.4            |

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

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

Table 18--Average net annual growth of growing stock and sawtimber on timberland by parish and species group, Southwest Louisiana, 1984

| Parish                                                  | Growing stock |          |         |       |                   |                   | Sawtimber   |          |         |       |                   |                   |
|---------------------------------------------------------|---------------|----------|---------|-------|-------------------|-------------------|-------------|----------|---------|-------|-------------------|-------------------|
|                                                         | All species   | Softwood |         |       | Hardwood          |                   | All species | Softwood |         |       | Hardwood          |                   |
|                                                         |               | Pine     |         | Other | Soft <sup>1</sup> | Hard <sup>2</sup> |             | Pine     |         | Other | Soft <sup>1</sup> | Hard <sup>2</sup> |
|                                                         |               | Planted  | Natural |       |                   |                   |             | Planted  | Natural |       |                   |                   |
| ----- Million cubic feet ----- Million board feet ----- |               |          |         |       |                   |                   |             |          |         |       |                   |                   |
| Allen                                                   | 20.0          | 6.8      | 9.0     | 0.1   | 2.0               | 2.1               | 90.0        | 18.6     | 54.0    | 0.7   | 7.4               | 9.3               |
| Beauregard                                              | 39.9          | 19.7     | 10.9    | ...   | 3.9               | 5.4               | 145.2       | 60.6     | 48.4    | 0.2   | 15.1              | 20.8              |
| Calcasieu                                               | 8.9           | 3.1      | 5.4     | 0.2   | -0.1              | 0.4               | 35.6        | 3.8      | 29.8    | 0.8   | -0.1              | 1.4               |
| Evangeline                                              | 13.0          | 1.7      | 8.8     | ...   | 0.7               | 1.8               | 68.0        | 3.2      | 54.9    | 0.1   | 4.7               | 5.1               |
| Grant                                                   | 26.0          | 3.0      | 15.6    | 0.2   | 1.9               | 5.2               | 129.2       | 9.5      | 95.2    | 1.0   | 6.0               | 17.4              |
| Jefferson Davis                                         | 3.5           | ...      | 2.6     | ...   | 0.2               | 0.8               | 20.4        | ...      | 17.2    | ...   | ...               | 3.2               |
| La Salle                                                | 22.4          | 6.1      | 9.8     | 0.3   | 1.4               | 4.8               | 94.9        | 24.4     | 45.4    | 1.3   | 2.9               | 20.8              |
| Natchitoches                                            | 31.6          | 2.1      | 20.2    | 0.1   | 3.6               | 5.7               | 143.1       | 9.2      | 111.7   | 0.1   | 6.8               | 15.3              |
| Rapides                                                 | 33.4          | 5.2      | 19.3    | 0.3   | 2.4               | 6.2               | 141.0       | 13.1     | 95.0    | 1.4   | 7.9               | 23.6              |
| Sabine                                                  | 37.2          | 6.5      | 22.5    | ...   | 3.0               | 5.2               | 178.3       | 29.3     | 122.0   | 0.2   | 7.4               | 19.4              |
| Vernon                                                  | 42.9          | 13.8     | 25.2    | 0.1   | 1.3               | 2.5               | 172.4       | 40.5     | 121.3   | 0.3   | 1.4               | 9.0               |
| All parishes                                            | 278.8         | 67.9     | 149.3   | 1.5   | 20.1              | 40.1              | 1218.2      | 212.3    | 794.9   | 6.1   | 59.6              | 145.4             |

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

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

Table 19--Average annual removals of growing stock and sawtimber by parish and species group, Southwest Louisiana, 1984

| Parish                                                  | Growing stock |                 |         |       |                   |                   | Sawtimber   |                 |         |       |                   |                   |
|---------------------------------------------------------|---------------|-----------------|---------|-------|-------------------|-------------------|-------------|-----------------|---------|-------|-------------------|-------------------|
|                                                         | All species   | Softwood        |         |       | Hardwood          |                   | All species | Softwood        |         |       | Hardwood          |                   |
|                                                         |               | Pine<br>Planted | Natural | Other | Soft <sup>1</sup> | Hard <sup>2</sup> |             | Pine<br>Planted | Natural | Other | Soft <sup>1</sup> | Hard <sup>2</sup> |
|                                                         |               |                 |         |       |                   |                   |             |                 |         |       |                   |                   |
| ----- Million cubic feet ----- Million board feet ----- |               |                 |         |       |                   |                   |             |                 |         |       |                   |                   |
| Allen                                                   | 16.9          | 6.5             | 6.6     | 0.1   | 1.4               | 2.2               | 69.9        | 20.0            | 36.5    | 0.6   | 4.8               | 8.0               |
| Beauregard                                              | 30.2          | 15.6            | 9.7     | ...   | 2.2               | 2.7               | 90.0        | 35.5            | 37.5    | ...   | 9.1               | 7.8               |
| Calcasieu                                               | 6.2           | 1.2             | 1.7     | 0.1   | 1.6               | 1.5               | 24.1        | 5.7             | 6.2     | 0.5   | 6.0               | 5.6               |
| Evangeline                                              | 5.5           | 0.8             | 3.6     | ...   | 0.6               | 0.5               | 16.5        | 0.4             | 13.7    | ...   | 1.6               | 0.8               |
| Grant                                                   | 18.7          | 3.9             | 10.8    | ...   | 0.7               | 3.2               | 88.6        | 14.7            | 62.0    | ...   | 1.6               | 10.2              |
| Jefferson Davis                                         | 3.4           | ...             | 2.5     | ...   | 0.4               | 0.5               | 17.3        | ...             | 13.4    | ...   | 1.9               | 2.1               |
| La Salle                                                | 18.3          | 3.9             | 11.4    | ...   | 0.9               | 2.0               | 84.1        | 15.9            | 58.3    | ...   | 3.8               | 6.1               |
| Natchitoches                                            | 28.4          | 5.0             | 15.2    | ...   | 3.4               | 4.8               | 114.5       | 19.7            | 74.8    | ...   | 5.6               | 14.5              |
| Rapides                                                 | 24.6          | 8.0             | 10.6    | ...   | 1.4               | 4.6               | 94.7        | 30.1            | 48.9    | ...   | 1.6               | 14.1              |
| Sabine                                                  | 38.0          | 10.1            | 17.9    | ...   | 3.1               | 7.0               | 156.1       | 42.6            | 90.3    | ...   | 6.2               | 17.0              |
| Vernon                                                  | 35.3          | 12.8            | 17.7    | 0.2   | 1.9               | 2.7               | 126.9       | 38.9            | 74.6    | 0.8   | 4.8               | 7.9               |
| All parishes                                            | 225.4         | 68.0            | 107.7   | 0.4   | 17.6              | 31.7              | 882.5       | 223.4           | 516.3   | 1.9   | 46.9              | 94.0              |

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

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

Table 20--Average net annual growth and average annual removals of growing stock on timberland, Southwest Louisiana, 1984

| Species                        | Growth | Removals |
|--------------------------------|--------|----------|
| ----- Million cubic feet ----- |        |          |
| Yellow pines                   | 217.2  | 175.6    |
| Other softwoods                | 1.5    | 0.4      |
| Total softwoods                | 218.7  | 176.1    |
| Select white-red oaks          | 10.4   | 6.7      |
| Other white-red oaks           | 21.9   | 18.0     |
| Hickory                        | 2.8    | 4.3      |
| Sweetgum                       | 14.0   | 11.0     |
| Ash-walnut-black cherry        | 2.3    | 1.0      |
| Yellow-poplar                  | 0.1    | ...      |
| Other hardwoods                | 8.8    | 8.3      |
| Total hardwoods                | 60.1   | 49.3     |
| All species                    | 278.8  | 225.4    |

Table 21--Average net annual growth and average annual removals of sawtimber on timberland, Southwest Louisiana, 1984

| Species                        | Growth | Removals |
|--------------------------------|--------|----------|
| ----- Million board feet ----- |        |          |
| Yellow pines                   | 1007.1 | 739.7    |
| Other softwoods                | 6.1    | 1.9      |
| Total softwoods                | 1013.2 | 741.6    |
| Select white-red oaks          | 36.4   | 21.6     |
| Other white-red oaks           | 81.9   | 48.8     |
| Hickory                        | 10.7   | 13.3     |
| Sweetgum                       | 38.8   | 27.5     |
| Ash-walnut-black cherry        | 5.5    | 4.3      |
| Yellow-poplar                  | 1.2    | ...      |
| Other hardwoods                | 30.5   | 25.5     |
| Total hardwoods                | 205.0  | 141.0    |
| All species                    | 1218.2 | 882.5    |

Table 22--Average annual mortality of growing stock and sawtimber on timberland by species, Southwest Louisiana, 1984

| Species                                       | Growing stock | Sawtimber |
|-----------------------------------------------|---------------|-----------|
| - Million cubic feet - - Million board feet - |               |           |
| Yellow pines                                  | 20.4          | 66.3      |
| Total softwoods                               | 20.4          | 66.3      |
| Select white-red oaks                         | 0.7           | 1.3       |
| Other white-red oaks                          | 4.0           | 9.0       |
| Hickory                                       | 1.4           | 4.9       |
| Sweetgum                                      | 2.6           | 5.8       |
| Ash-walnut-black cherry                       | 0.1           | ...       |
| Other hardwoods                               | 2.1           | 6.6       |
| Total hardwoods                               | 10.8          | 27.5      |
| All species                                   | 31.2          | 93.8      |

Table 23--Average net annual growth and average annual removals of growing stock on timberland by ownership class and species group, Southwest Louisiana, 1984

| Ownership class                | Growth      |          |         |       |                   |                   | Removals    |          |         |       |                   |                   |
|--------------------------------|-------------|----------|---------|-------|-------------------|-------------------|-------------|----------|---------|-------|-------------------|-------------------|
|                                | All species | Softwood |         |       | Hardwood          |                   | All species | Softwood |         |       | Hardwood          |                   |
|                                |             | Pine     |         | Other | Soft <sup>1</sup> | Hard <sup>2</sup> |             | Pine     |         | Other | Soft <sup>1</sup> | Hard <sup>2</sup> |
|                                |             | Planted  | Natural |       |                   |                   |             | Planted  | Natural |       |                   |                   |
| ----- Million cubic feet ----- |             |          |         |       |                   |                   |             |          |         |       |                   |                   |
| National forest                | 29.3        | 3.8      | 18.2    | ...   | 2.3               | 4.9               | 18.6        | 6.0      | 9.8     | ...   | 0.4               | 2.4               |
| Other public                   | 6.6         | 0.1      | 4.4     | ...   | 0.4               | 1.7               | 7.0         | 1.3      | 4.2     | ...   | 0.4               | 1.2               |
| Forest industry                | 93.2        | 29.9     | 46.1    | 0.5   | 5.5               | 11.2              | 88.7        | 32.0     | 40.1    | ...   | 4.0               | 12.5              |
| Forest industry-leased         | 27.9        | 10.9     | 10.7    | ...   | 3.2               | 3.0               | 27.6        | 11.6     | 10.0    | ...   | 3.6               | 2.4               |
| Other private                  | 121.8       | 23.2     | 69.7    | 0.9   | 8.7               | 19.2              | 83.5        | 17.0     | 43.6    | 0.4   | 9.2               | 13.2              |
| All ownerships                 | 278.8       | 67.9     | 149.3   | 1.5   | 20.1              | 40.1              | 225.4       | 68.0     | 107.7   | 0.4   | 17.6              | 31.7              |

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

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

Table 24--Average net annual growth and average annual removals of sawtimber on timberland by ownership class and species group, Southwest Louisiana, 1984

| Ownership class                | Growth      |          |         |       |                   |                   | Removals    |          |         |       |                   |                   |
|--------------------------------|-------------|----------|---------|-------|-------------------|-------------------|-------------|----------|---------|-------|-------------------|-------------------|
|                                | All species | Softwood |         |       | Hardwood          |                   | All species | Softwood |         |       | Hardwood          |                   |
|                                |             | Pine     |         | Other | Soft <sup>1</sup> | Hard <sup>2</sup> |             | Pine     |         | Other | Soft <sup>1</sup> | Hard <sup>2</sup> |
|                                |             | Planted  | Natural |       |                   |                   |             | Planted  | Natural |       |                   |                   |
| ----- Million board feet ----- |             |          |         |       |                   |                   |             |          |         |       |                   |                   |
| National forest                | 145.0       | 17.3     | 103.3   | ...   | 6.9               | 17.5              | 77.2        | 22.5     | 44.6    | ...   | 1.4               | 8.6               |
| Other public                   | 33.5        | 0.7      | 24.8    | ...   | 1.1               | 6.9               | 31.0        | 5.6      | 22.0    | ...   | 0.2               | 3.2               |
| Forest industry                | 381.0       | 90.1     | 229.7   | 1.9   | 17.3              | 41.9              | 342.9       | 106.0    | 194.9   | ...   | 10.1              | 31.9              |
| Forest industry-leased         | 114.8       | 35.6     | 54.1    | 0.2   | 13.6              | 11.4              | 101.9       | 40.1     | 43.6    | ...   | 11.0              | 7.3               |
| Other private                  | 543.9       | 68.5     | 383.0   | 4.0   | 20.7              | 67.7              | 329.6       | 49.1     | 211.2   | 1.9   | 24.3              | 43.0              |
| All ownerships                 | 1218.2      | 212.3    | 794.9   | 6.1   | 59.6              | 145.4             | 882.5       | 223.4    | 516.3   | 1.9   | 46.9              | 94.0              |

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

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

Table 25--Volume of sawtimber on timberland by species and tree grade, Southwest Louisiana, 1984

| Species                        | All grades | Grade 1 | Grade 2 | Grade 3 | Grade 4 |
|--------------------------------|------------|---------|---------|---------|---------|
| ----- Million board feet ----- |            |         |         |         |         |
| Yellow pines                   | 16310.6    | 2122.7  | 2581.4  | 11606.4 | ...     |
| Cypress                        | 168.4      | 42.4    | 29.6    | 96.4    | ...     |
| Other softwoods                | 3.7        | 3.7     | ...     | ...     | ...     |
| Total softwoods                | 16482.6    | 2168.8  | 2611.0  | 11702.8 | ...     |
| Select white-red oaks          | 634.3      | 105.4   | 103.7   | 317.5   | 107.6   |
| Other white-red oaks           | 1582.1     | 103.8   | 279.7   | 610.6   | 588.0   |
| Hickory                        | 399.5      | 23.8    | 121.5   | 199.1   | 55.1    |
| Sweetgum                       | 1085.8     | 282.2   | 354.5   | 338.9   | 110.2   |
| Tupelo and blackgum            | 452.3      | 96.6    | 156.4   | 178.9   | 20.4    |
| Ash-walnut-black cherry        | 115.9      | 9.3     | 55.8    | 44.2    | 6.7     |
| Yellow-poplar                  | 20.8       | 20.8    | ...     | ...     | ...     |
| Other hardwoods                | 452.5      | 19.5    | 33.3    | 209.2   | 190.4   |
| Total hardwoods                | 4743.3     | 661.4   | 1104.8  | 1898.5  | 1078.6  |
| All species                    | 21225.9    | 2830.2  | 3715.7  | 13601.3 | 1078.6  |

## SUPPLEMENTAL TABLES 26 - 36

Table 26--Area of timberland by stand age, forest type group, and type of regeneration, Southwest Louisiana, 1984

| Stand<br>Age Class         | Pine       |         | Oak-pine   |         | Other hardwood types |         |
|----------------------------|------------|---------|------------|---------|----------------------|---------|
|                            | Artificial | Natural | Artificial | Natural | Artificial           | Natural |
| ----- Thousand acres ----- |            |         |            |         |                      |         |
| 1-10                       | 230.0      | 46.0    | 74.1       | 22.4    | 39.9                 | 62.9    |
| 11-20                      | 103.4      | 33.8    | 5.5        | 11.0    | ...                  | 11.2    |
| 21-30                      | 305.1      | 193.7   | ...        | 34.3    | ...                  | 17.6    |
| 31-40                      | 51.9       | 161.0   | ...        | 56.9    | ...                  | 11.6    |
| 41-50                      | ...        | 5.7     | ...        | ...     | ...                  | ...     |
| >50                        | ...        | 33.9    | ...        | 5.5     | ...                  | 5.7     |
| Mixed                      | 126.0      | 1019.8  | ...        | 467.7   | 17.8                 | 1262.4  |
| All classes                | 816.4      | 1493.8  | 79.6       | 597.9   | 57.7                 | 1371.3  |



Table 27--Volume of softwood growing stock on timberland by forest type, Southwest Louisiana, 1984

| Parish                         | Total  | Forest type group   |         |                         |         |          |             |                 |
|--------------------------------|--------|---------------------|---------|-------------------------|---------|----------|-------------|-----------------|
|                                |        | Longleaf-slash pine |         | Loblolly-shortleaf pine |         | Oak-pine | Oak-hickory | Oak-gum cypress |
|                                |        | Planted             | Natural | Planted                 | Natural |          |             |                 |
| ----- Million cubic feet ----- |        |                     |         |                         |         |          |             |                 |
| Allen                          | 264.4  | 62.5                | ...     | 9.7                     | 104.7   | 60.4     | 10.9        | 16.2            |
| Beauregard                     | 525.1  | 287.3               | 65.7    | 35.3                    | 89.1    | 31.0     | 4.9         | 11.7            |
| Calcasieu                      | 149.8  | 30.1                | 27.8    | ...                     | 73.9    | 3.3      | 3.3         | 11.4            |
| Evangeline                     | 194.6  | 15.8                | 11.1    | ...                     | 129.9   | 31.1     | 5.2         | 1.5             |
| Grant                          | 397.4  | ...                 | 49.6    | 17.8                    | 225.7   | 79.1     | 15.4        | 9.9             |
| Jefferson Davis                | 55.0   | ...                 | 3.3     | ...                     | 22.9    | 19.4     | 0.6         | 8.9             |
| La Salle                       | 246.1  | ...                 | 24.2    | 75.9                    | 104.1   | 23.9     | 7.8         | 10.1            |
| Natchitoches                   | 473.4  | 32.7                | 25.4    | ...                     | 331.1   | 62.8     | 16.6        | 5.0             |
| Rapides                        | 475.1  | 14.2                | 65.0    | 23.0                    | 256.6   | 85.6     | 7.7         | 23.0            |
| Sabine                         | 452.2  | 12.4                | ...     | 60.6                    | 268.7   | 76.6     | 27.6        | 6.2             |
| Vernon                         | 581.6  | 90.3                | 53.0    | 71.4                    | 260.1   | 84.6     | 17.1        | 5.2             |
| All parishes                   | 3814.6 | 545.3               | 325.0   | 293.7                   | 1866.7  | 557.7    | 116.9       | 109.2           |

Table 28--Volume of hardwood growing stock on timberland by forest type, Southwest Louisiana, 1984

| Parish                         | Total  | Forest type group   |         |                         |         |          |             |                 |                    |
|--------------------------------|--------|---------------------|---------|-------------------------|---------|----------|-------------|-----------------|--------------------|
|                                |        | Longleaf-slash pine |         | Loblolly-shortleaf pine |         | Oak-pine | Oak-hickory | Oak-gum cypress | Elm-ash-cottonwood |
|                                |        | Planted             | Natural | Planted                 | Natural |          |             |                 |                    |
| ----- Million cubic feet ----- |        |                     |         |                         |         |          |             |                 |                    |
| Allen                          | 123.0  | ...                 | ...     | 0.4                     | 4.9     | 26.8     | 13.2        | 77.8            | ...                |
| Beauregard                     | 176.4  | ...                 | 1.0     | 3.2                     | 9.3     | 17.6     | 18.3        | 127.0           | ...                |
| Calcasieu                      | 38.0   | 1.0                 | 1.6     | ...                     | 4.0     | ...      | 10.7        | 20.8            | ...                |
| Evangeline                     | 114.4  | ...                 | 0.2     | ...                     | 10.7    | 26.5     | 26.5        | 50.5            | ...                |
| Grant                          | 183.0  | ...                 | 3.1     | 0.9                     | 39.8    | 46.9     | 31.5        | 60.7            | ...                |
| Jefferson Davis                | 38.6   | ...                 | ...     | ...                     | 0.5     | 24.9     | ...         | 13.3            | ...                |
| La Salle                       | 161.6  | ...                 | 0.5     | 1.1                     | 15.5    | 22.0     | 26.1        | 96.5            | ...                |
| Natchitoches                   | 238.8  | 1.1                 | ...     | ...                     | 37.0    | 33.9     | 91.1        | 56.5            | 19.2               |
| Rapides                        | 237.2  | ...                 | 3.9     | ...                     | 31.6    | 43.3     | 34.3        | 116.3           | 7.7                |
| Sabine                         | 167.4  | 2.1                 | ...     | 6.6                     | 26.9    | 34.1     | 62.5        | 35.2            | ...                |
| Vernon                         | 177.5  | ...                 | 0.7     | ...                     | 21.4    | 44.6     | 50.6        | 60.1            | ...                |
| All parishes                   | 1655.8 | 4.2                 | 11.1    | 12.1                    | 201.7   | 320.5    | 364.7       | 714.6           | 26.9               |

Table 29--Volume of softwood growing stock in the saw-log portion of sawtimber trees on timberland by forest type, Southwest Louisiana, 1984

| Parish                         | Total  | Forest type group   |         |                         |         |          |             |                 |
|--------------------------------|--------|---------------------|---------|-------------------------|---------|----------|-------------|-----------------|
|                                |        | Longleaf-slash pine |         | Loblolly-shortleaf pine |         | Oak-pine | Oak-hickory | Oak-gum cypress |
|                                |        | Planted             | Natural | Planted                 | Natural |          |             |                 |
| ----- Million cubic feet ----- |        |                     |         |                         |         |          |             |                 |
| Allen                          | 205.3  | 33.8                | ...     | 7.9                     | 88.8    | 49.4     | 10.3        | 15.1            |
| Beauregard                     | 306.2  | 137.0               | 40.0    | 24.9                    | 64.4    | 25.2     | 4.3         | 10.3            |
| Calcasieu                      | 100.6  | 5.1                 | 20.6    | ...                     | 59.9    | 3.0      | 2.4         | 9.7             |
| Evangeline                     | 153.1  | 7.1                 | 4.5     | ...                     | 111.7   | 25.7     | 4.0         | 0.1             |
| Grant                          | 333.4  | ...                 | 36.6    | 10.3                    | 195.1   | 69.6     | 12.7        | 9.1             |
| Jefferson Davis                | 47.2   | ...                 | 2.3     | ...                     | 19.4    | 16.7     | ...         | 8.8             |
| La Salle                       | 169.6  | ...                 | 20.4    | 51.3                    | 68.5    | 16.2     | 5.2         | 8.1             |
| Natchitoches                   | 369.4  | 25.3                | 14.3    | ...                     | 263.1   | 48.9     | 13.9        | 3.9             |
| Rapides                        | 350.6  | 7.1                 | 34.8    | 6.4                     | 202.9   | 77.1     | 6.9         | 15.5            |
| Sabine                         | 352.3  | 9.7                 | ...     | 37.9                    | 218.0   | 57.2     | 24.1        | 5.4             |
| Vernon                         | 394.0  | 45.5                | 40.2    | 38.5                    | 186.4   | 66.7     | 14.2        | 2.6             |
| All parishes                   | 2781.8 | 270.5               | 213.6   | 177.2                   | 1478.2  | 455.6    | 98.1        | 88.6            |

Table 30--Volume of hardwood growing stock in the saw-log portion of sawtimber trees on timberland by forest type, Southwest Louisiana, 1984

| Parish                         | Total | Forest type group   |         |                         |         |          |             |                 |                    |
|--------------------------------|-------|---------------------|---------|-------------------------|---------|----------|-------------|-----------------|--------------------|
|                                |       | Longleaf-slash pine |         | Loblolly-shortleaf pine |         | Oak-pine | Oak-hickory | Oak-gum cypress | Elm-ash-cottonwood |
|                                |       | Planted             | Natural | Planted                 | Natural |          |             |                 |                    |
| ----- Million cubic feet ----- |       |                     |         |                         |         |          |             |                 |                    |
| Allen                          | 76.6  | ...                 | ...     | 0.4                     | 3.2     | 12.1     | 7.8         | 53.0            | ...                |
| Beauregard                     | 116.1 | ...                 | ...     | 0.3                     | 6.2     | 10.0     | 8.4         | 91.2            | ...                |
| Calcasieu                      | 21.0  | ...                 | ...     | ...                     | 2.2     | ...      | 6.7         | 12.0            | ...                |
| Evangeline                     | 72.3  | ...                 | ...     | ...                     | 5.8     | 16.2     | 16.9        | 33.4            | ...                |
| Grant                          | 107.7 | ...                 | 1.0     | ...                     | 18.9    | 23.0     | 23.5        | 41.2            | ...                |
| Jefferson Davis                | 24.4  | ...                 | ...     | ...                     | ...     | 16.8     | ...         | 7.6             | ...                |
| La Salle                       | 109.0 | ...                 | 0.4     | ...                     | 5.9     | 10.8     | 17.3        | 74.7            | ...                |
| Natchitoches                   | 100.3 | ...                 | ...     | ...                     | 11.9    | 16.3     | 38.4        | 24.8            | 9.0                |
| Rapides                        | 144.1 | ...                 | 1.7     | ...                     | 14.2    | 25.1     | 17.8        | 81.2            | 4.1                |
| Sabine                         | 88.7  | 0.9                 | ...     | 3.8                     | 8.0     | 17.0     | 34.5        | 24.5            | ...                |
| Vernon                         | 88.9  | ...                 | ...     | ...                     | 10.3    | 17.9     | 26.6        | 34.1            | ...                |
| All parishes                   | 949.1 | 0.9                 | 3.2     | 4.5                     | 86.6    | 165.2    | 197.8       | 477.7           | 13.1               |

Table 31--Volume of timber on timberland by parish, class of timber and species group, Southwest Louisiana, 1984

| Parish                         | All<br>classes | Growing stock |          | Rough    |          | Rotten   |          |
|--------------------------------|----------------|---------------|----------|----------|----------|----------|----------|
|                                |                | Softwood      | Hardwood | Softwood | Hardwood | Softwood | Hardwood |
| ----- Million cubic feet ----- |                |               |          |          |          |          |          |
| Allen                          | 451.4          | 264.4         | 123.0    | 12.5     | 36.7     | 0.7      | 14.3     |
| Beauregard                     | 780.3          | 525.1         | 176.4    | 4.6      | 49.0     | 1.7      | 23.6     |
| Calcasieu                      | 221.5          | 149.8         | 38.0     | 4.6      | 21.3     | ...      | 7.8      |
| Evangeline                     | 338.4          | 194.6         | 114.4    | 6.7      | 14.8     | ...      | 8.0      |
| Grant                          | 627.6          | 397.4         | 183.0    | 6.7      | 27.9     | 0.8      | 11.9     |
| Jefferson Davis                | 107.0          | 55.0          | 38.6     | 0.5      | 10.9     | ...      | 2.0      |
| La Salle                       | 443.1          | 246.1         | 161.6    | 2.7      | 28.6     | ...      | 4.1      |
| Natchitoches                   | 778.2          | 473.4         | 238.8    | 4.6      | 50.2     | ...      | 11.3     |
| Rapides                        | 779.5          | 475.1         | 237.2    | 7.3      | 48.7     | ...      | 11.2     |
| Sabine                         | 679.9          | 452.2         | 167.4    | 7.9      | 38.0     | ...      | 14.5     |
| Vernon                         | 873.6          | 581.6         | 177.5    | 18.6     | 68.0     | 0.1      | 27.9     |
| All parishes                   | 6080.6         | 3814.6        | 1655.8   | 76.5     | 394.0    | 3.2      | 136.4    |

Table 3 2--Number of live trees on timberland by detailed species and diameter class, Southwest Louisiana, 1984

| Species            | Diameter class (inches at breast height) |         |         |         |         |          |           |           |           |           |           |           |               |
|--------------------|------------------------------------------|---------|---------|---------|---------|----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------|
|                    | All classes                              | 1.0-2.9 | 3.0-4.9 | 5.0-6.9 | 7.0-8.9 | 9.0-10.9 | 11.0-12.9 | 13.0-14.9 | 15.0-16.9 | 17.0-18.9 | 19.0-20.9 | 21.0-28.9 | 29.0 & larger |
| Thousand trees     |                                          |         |         |         |         |          |           |           |           |           |           |           |               |
| Longleaf pine      | 62106                                    | 20314   | 11581   | 8502    | 7160    | 5689     | 3525      | 2305      | 1580      | 837       | 376       | 231       | 8             |
| Slash pine         | 140939                                   | 42103   | 28288   | 26862   | 23441   | 12782    | 4290      | 2213      | 696       | 227       | 21        | 15        | ...           |
| Shortleaf pine     | 66955                                    | 31801   | 12945   | 7027    | 6277    | 3466     | 2123      | 1575      | 956       | 447       | 176       | 164       | ...           |
| Loblolly pine      | 608610                                   | 272922  | 145163  | 69101   | 39418   | 30895    | 19263     | 12583     | 8325      | 4928      | 2834      | 3082      | 96            |
| Other s. pines     | 48                                       | ...     | ...     | ...     | ...     | ...      | 48        | ...       | ...       | ...       | ...       | ...       | ...           |
| Redcedar           | 1196                                     | 1109    | ...     | ...     | ...     | 87       | ...       | ...       | ...       | ...       | ...       | ...       | ...           |
| Cypress            | 15792                                    | 6178    | 4637    | 1975    | 1227    | 423      | 580       | 196       | 219       | 143       | ...       | 168       | 46            |
| Total softwoods    | 895646                                   | 374426  | 202615  | 113466  | 77523   | 53342    | 29829     | 18872     | 11776     | 6582      | 3406      | 3660      | 149           |
| Select white oaks  | 50599                                    | 28684   | 9879    | 3703    | 1912    | 2340     | 1800      | 718       | 519       | 529       | 119       | 322       | 71            |
| Select red oaks    | 22745                                    | 11715   | 4585    | 2084    | 1451    | 895      | 604       | 460       | 395       | 190       | 143       | 189       | 34            |
| Other white oaks   | 78070                                    | 48407   | 12993   | 5728    | 4791    | 1593     | 1804      | 1075      | 590       | 349       | 261       | 378       | 101           |
| Other red oaks     | 200511                                   | 138672  | 22199   | 10634   | 7937    | 7256     | 5438      | 2565      | 2075      | 1655      | 544       | 1274      | 262           |
| Sweet pecan        | 5053                                     | 1436    | 1525    | 1355    | 156     | 166      | 105       | 163       | 31        | 69        | 40        | ...       | 8             |
| Water hickory      | 11965                                    | 7725    | 1547    | 873     | 155     | 299      | 443       | 238       | 376       | 100       | ...       | 182       | 25            |
| Other hickories    | 37113                                    | 25964   | 4063    | 2954    | 1234    | 776      | 800       | 449       | 306       | 255       | 159       | 154       | ...           |
| Persimmon          | 9147                                     | 7745    | 574     | 827     | ...     | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...           |
| Hard maple         | 6954                                     | 6144    | 530     | 212     | ...     | 68       | ...       | ...       | ...       | ...       | ...       | ...       | ...           |
| Soft maple         | 86536                                    | 63558   | 13949   | 5455    | 1433    | 1062     | 658       | 278       | 97        | 23        | 22        | ...       | ...           |
| Boxelder           | 1024                                     | ...     | 1024    | ...     | ...     | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...           |
| Beech              | 8598                                     | 4116    | ...     | 408     | 118     | 658      | 721       | 532       | 716       | 356       | 258       | 596       | 118           |
| Sweetgum           | 314998                                   | 199924  | 61738   | 26533   | 10066   | 6852     | 4307      | 2364      | 1255      | 805       | 566       | 544       | 43            |
| Blackgum           | 127888                                   | 93913   | 16873   | 6790    | 3911    | 2123     | 1188      | 1291      | 952       | 605       | 116       | 124       | ...           |
| Other gums/tupelos | 14697                                    | 8417    | 1684    | 2272    | 537     | 381      | 541       | 198       | 282       | 46        | 178       | 140       | 24            |
| White ash          | 12931                                    | 10825   | 1024    | 435     | 252     | 69       | 130       | 85        | 62        | 23        | ...       | 28        | ...           |
| Other ashes        | 40699                                    | 28813   | 6687    | 1326    | 1769    | 1069     | 380       | 365       | 150       | 46        | 39        | 55        | ...           |
| Sycamore           | 452                                      | ...     | ...     | 206     | 99      | 92       | ...       | 38        | ...       | ...       | ...       | 17        | ...           |
| Basswood           | 2155                                     | 2060    | ...     | ...     | ...     | 78       | ...       | ...       | ...       | ...       | ...       | 17        | ...           |
| Yellow-poplar      | 13                                       | ...     | ...     | ...     | ...     | ...      | ...       | ...       | ...       | ...       | ...       | ...       | 13            |
| Magnolia           | 4359                                     | 2290    | 1635    | ...     | ...     | ...      | 105       | 50        | 96        | 50        | 56        | 50        | 27            |
| Sweetbay           | 28847                                    | 19678   | 4668    | 1447    | 1399    | 789      | 444       | 250       | 93        | 47        | ...       | 32        | ...           |
| Willow             | 412                                      | ...     | ...     | ...     | ...     | 276      | 110       | ...       | ...       | 26        | ...       | ...       | ...           |
| Black cherry       | 5617                                     | 4196    | 567     | 249     | 299     | 148      | ...       | 79        | 36        | 25        | 18        | ...       | ...           |
| American elm       | 4340                                     | 2090    | 1552    | 168     | 217     | ...      | 125       | 36        | 68        | 70        | ...       | 15        | ...           |
| Other elms         | 51438                                    | 42771   | 5340    | 915     | 1155    | 747      | 263       | 167       | 68        | ...       | ...       | 13        | ...           |
| River birch        | 89                                       | ...     | ...     | ...     | ...     | ...      | 58        | ...       | 32        | ...       | ...       | ...       | ...           |
| Hackberry          | 6754                                     | 2562    | 2034    | 1276    | 365     | 202      | 205       | 38        | 57        | ...       | ...       | 15        | ...           |
| Black locust       | 574                                      | ...     | 574     | ...     | ...     | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...           |
| Other locusts      | 3256                                     | 1547    | 1083    | 165     | 223     | 96       | ...       | 76        | 67        | ...       | ...       | ...       | ...           |
| Sassafras          | 9075                                     | 6745    | 1618    | 249     | 153     | 213      | 57        | 40        | ...       | ...       | ...       | ...       | ...           |
| Dogwood            | 77015                                    | 58846   | 15319   | 2708    | ...     | 80       | 62        | ...       | ...       | ...       | ...       | ...       | ...           |
| Holly              | 21089                                    | 15140   | 3744    | 960     | 692     | 221      | 213       | 120       | ...       | ...       | ...       | ...       | ...           |
| Other commercial   | 10660                                    | 8396    | 1573    | 538     | 116     | ...      | ...       | 36        | ...       | ...       | ...       | ...       | ...           |
| Total hardwoods    | 1255673                                  | 852382  | 200579  | 80471   | 40439   | 28549    | 20561     | 11711     | 8326      | 5267      | 2518      | 4143      | 726           |
| Noncommercial      | 296580                                   | 228662  | 39729   | 19107   | 5360    | 2134     | 1162      | 385       | 32        | ...       | ...       | ...       | 10            |
| All species        | 2447898                                  | 1455469 | 442922  | 213044  | 123322  | 84026    | 51551     | 30968     | 20134     | 11849     | 5925      | 7803      | 886           |

Table 33--Number of growing stock-stock trees on timberland by detailed species and diameter class, Southwest Louisiana, 1984

| Species            | Diameter class (inches at breast height) |         |         |          |           |           |           |           |           |           |               |
|--------------------|------------------------------------------|---------|---------|----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------|
|                    | All classes                              | 5.0-6.9 | 7.0-8.9 | 9.0-10.9 | 11.0-12.9 | 13.0-14.9 | 15.0-16.9 | 17.0-18.9 | 19.0-20.9 | 21.0-28.9 | 29.0 & larger |
|                    | Thousand trees                           |         |         |          |           |           |           |           |           |           |               |
| Longleaf pine      | 29404                                    | 8072    | 6996    | 5603     | 3407      | 2305      | 1580      | 837       | 376       | 221       | 8             |
| Slash pine         | 65631                                    | 22848   | 22794   | 12565    | 4290      | 2175      | 696       | 227       | 21        | 15        | ...           |
| Shortleaf pine     | 20052                                    | 5391    | 6024    | 3284     | 2077      | 1534      | 956       | 447       | 176       | 164       | ...           |
| Loblolly pine      | 179327                                   | 61828   | 37356   | 29916    | 19028     | 12254     | 8232      | 4832      | 2751      | 3039      | 90            |
| Other s. pines     | 48                                       | ...     | ...     | ...      | 48        | ...       | ...       | ...       | ...       | ...       | ...           |
| Redcedar           | 87                                       | ...     | ...     | 87       | ...       | ...       | ...       | ...       | ...       | ...       | ...           |
| Cypress            | 4820                                     | 1975    | 1227    | 423      | 517       | 162       | 219       | 143       | ...       | 143       | 10            |
| Total softwoods    | 299368                                   | 100114  | 74397   | 51879    | 29367     | 18430     | 11683     | 6485      | 3324      | 3581      | 107           |
| Select white oaks  | 9563                                     | 2867    | 1667    | 2021     | 1295      | 638       | 382       | 373       | 77        | 229       | 16            |
| Select red oaks    | 5992                                     | 1839    | 1451    | 895      | 604       | 460       | 306       | 190       | 124       | 102       | 22            |
| Other white oaks   | 11612                                    | 3558    | 3432    | 1329     | 1347      | 754       | 499       | 170       | 180       | 279       | 63            |
| Other red oaks     | 30556                                    | 8282    | 6351    | 5584     | 4412      | 2032      | 1566      | 1190      | 329       | 741       | 70            |
| Sweet pecan        | 1703                                     | 1073    | 156     | 166      | 50        | 163       | 31        | 46        | 19        | ...       | ...           |
| Water hickory      | 1801                                     | 678     | ...     | 299      | 172       | 203       | 281       | 50        | ...       | 117       | ...           |
| Other hickories    | 5299                                     | 1545    | 1234    | 776      | 681       | 335       | 276       | 226       | 101       | 127       | ...           |
| Persimmon          | 170                                      | 170     | ...     | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...           |
| Soft maple         | 4423                                     | 2437    | 1097    | 572      | 182       | 78        | 36        | ...       | 22        | ...       | ...           |
| Beech              | 2524                                     | 408     | ...     | 434      | 342       | 288       | 443       | 217       | 78        | 293       | 20            |
| Sweetgum           | 42705                                    | 20693   | 8089    | 6027     | 3397      | 1924      | 1106      | 634       | 448       | 387       | ...           |
| Blackgum           | 10857                                    | 4064    | 2245    | 1480     | 748       | 1023      | 831       | 378       | 57        | 32        | ...           |
| Other gums/tupelos | 3061                                     | 1259    | 430     | 381      | 370       | 198       | 212       | 22        | 98        | 83        | 9             |
| White ash          | 898                                      | 435     | 118     | 69       | 130       | 85        | 62        | ...       | ...       | ...       | ...           |
| Other ashes        | 3524                                     | 661     | 1282    | 914      | 155       | 328       | 150       | ...       | 20        | 13        | ...           |
| Sycamore           | 435                                      | 206     | 99      | 92       | ...       | 38        | ...       | ...       | ...       | ...       | ...           |
| Basswood           | 78                                       | ...     | ...     | 78       | ...       | ...       | ...       | ...       | ...       | ...       | ...           |
| Yellow-poplar      | 13                                       | ...     | ...     | ...      | ...       | ...       | ...       | ...       | ...       | ...       | 13            |
| Magnolia           | 108                                      | ...     | ...     | ...      | 46        | ...       | ...       | 25        | 19        | 17        | ...           |
| Sweetbay           | 2162                                     | 363     | 875     | 383      | 286       | 204       | 29        | 23        | ...       | ...       | ...           |
| Willow             | 178                                      | ...     | ...     | 92       | 61        | ...       | ...       | 26        | ...       | ...       | ...           |
| Black cherry       | 696                                      | 249     | 141     | 148      | ...       | 79        | 36        | 25        | 18        | ...       | ...           |
| American elm       | 503                                      | 168     | 217     | ...      | 70        | ...       | ...       | 48        | ...       | ...       | ...           |
| Other elms         | 2460                                     | 451     | 995     | 747      | 94        | 128       | 33        | ...       | ...       | 13        | ...           |
| River birch        | 32                                       | ...     | ...     | ...      | ...       | ...       | 32        | ...       | ...       | ...       | ...           |
| Hackberry          | 1441                                     | 1068    | 119     | 135      | 47        | ...       | 57        | ...       | ...       | 15        | ...           |
| Other locusts      | 386                                      | ...     | 223     | 96       | ...       | ...       | 67        | ...       | ...       | ...       | ...           |
| Dogwood            | 795                                      | 795     | ...     | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...           |
| Holly              | 1567                                     | 960     | 429     | ...      | 58        | 120       | ...       | ...       | ...       | ...       | ...           |
| Other commercial   | 297                                      | 297     | ...     | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...           |
| Total hardwoods    | 145840                                   | 54528   | 30649   | 22715    | 14546     | 9078      | 6435      | 3642      | 1590      | 2447      | 212           |
| All species        | 445208                                   | 154642  | 105046  | 74593    | 43913     | 27509     | 18118     | 10127     | 4913      | 6028      | 319           |

Table 34--Volume of growing stock on timberland by species and diameter class, Southwest Louisiana, 1984

| Species                        | Diameter class (inches at breast height) |         |         |          |           |           |           |           |           |           |               |
|--------------------------------|------------------------------------------|---------|---------|----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------|
|                                | All classes                              | 5.0-6.9 | 7.0-8.9 | 9.0-10.9 | 11.0-12.9 | 13.0-14.9 | 15.0-16.9 | 17.0-18.9 | 19.0-20.9 | 21.0-28.9 | 29.0 & larger |
| ----- Million cubic feet ----- |                                          |         |         |          |           |           |           |           |           |           |               |
| Longleaf pine                  | 369.0                                    | 16.5    | 45.1    | 60.1     | 61.1      | 59.5      | 54.0      | 38.7      | 19.5      | 13.0      | 1.5           |
| Slash pine                     | 572.1                                    | 60.6    | 151.6   | 155.2    | 86.3      | 74.5      | 28.7      | 12.4      | 1.4       | 1.3       | ...           |
| Shortleaf pine                 | 277.3                                    | 12.3    | 40.1    | 41.3     | 42.7      | 49.6      | 40.8      | 24.2      | 12.0      | 14.3      | ...           |
| Loblolly pine                  | 2542.5                                   | 124.7   | 220.4   | 349.4    | 367.9     | 352.2     | 330.9     | 264.3     | 197.5     | 316.6     | 18.6          |
| Other s. pines                 | 1.4                                      | ...     | ...     | ...      | 1.4       | ...       | ...       | ...       | ...       | ...       | ...           |
| Redcedar                       | 0.8                                      | ...     | ...     | 0.8      | ...       | ...       | ...       | ...       | ...       | ...       | ...           |
| Cypress                        | 51.6                                     | 3.1     | 5.8     | 4.1      | 8.2       | 4.7       | 7.9       | 6.7       | ...       | 9.7       | 1.2           |
| Total softwoods                | 3814.6                                   | 217.2   | 463.1   | 610.9    | 567.6     | 540.6     | 462.3     | 346.3     | 230.4     | 354.9     | 21.3          |
| Select white oaks              | 121.5                                    | 4.6     | 10.0    | 22.1     | 22.3      | 15.8      | 12.2      | 12.7      | 4.1       | 16.0      | 1.8           |
| Select red oaks                | 92.4                                     | 4.9     | 10.0    | 10.4     | 12.4      | 14.1      | 10.4      | 10.0      | 9.9       | 7.1       | 3.2           |
| Other white oaks               | 119.0                                    | 6.6     | 16.4    | 13.7     | 17.7      | 14.4      | 12.7      | 6.3       | 8.4       | 16.0      | 6.8           |
| Other red oaks                 | 411.9                                    | 19.8    | 37.8    | 56.7     | 78.4      | 47.7      | 48.0      | 46.8      | 18.8      | 49.7      | 8.3           |
| Sweet pecan                    | 21.0                                     | 5.6     | 0.8     | 2.2      | 1.3       | 5.3       | 1.7       | 2.7       | 1.2       | ...       | ...           |
| Water hickory                  | 28.0                                     | 1.7     | ...     | 3.4      | 2.0       | 4.6       | 7.3       | 1.9       | ...       | 7.3       | ...           |
| Other hickories                | 76.2                                     | 4.0     | 7.5     | 8.8      | 11.9      | 8.1       | 8.3       | 10.6      | 5.8       | 11.2      | ...           |
| Persimmon                      | 0.5                                      | 0.5     | ...     | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...           |
| Soft maple                     | 26.8                                     | 6.1     | 7.0     | 5.2      | 3.6       | 2.0       | 1.6       | ...       | 1.3       | ...       | ...           |
| Beech                          | 60.8                                     | 0.7     | ...     | 3.3      | 5.6       | 6.1       | 13.2      | 8.2       | 3.2       | 17.7      | 2.8           |
| Sweetgum                       | 408.2                                    | 39.0    | 48.8    | 68.2     | 61.9      | 54.3      | 45.9      | 29.6      | 25.6      | 34.8      | ...           |
| Blackgum                       | 109.7                                    | 6.8     | 11.0    | 13.3     | 10.9      | 22.1      | 25.0      | 16.0      | 2.4       | 2.2       | ...           |
| Other gums/tupelos             | 39.2                                     | 1.9     | 2.8     | 3.9      | 5.5       | 5.1       | 7.1       | 0.7       | 4.7       | 7.1       | 0.5           |
| White ash                      | 9.2                                      | 1.1     | 0.8     | 0.8      | 1.4       | 2.4       | 2.7       | ...       | ...       | ...       | ...           |
| Other ashes                    | 37.7                                     | 1.9     | 8.7     | 11.1     | 1.8       | 8.1       | 4.3       | ...       | 1.4       | 0.5       | ...           |
| Sycamore                       | 3.8                                      | 0.4     | 1.0     | 1.0      | ...       | 1.2       | ...       | ...       | ...       | ...       | ...           |
| Basswood                       | 0.8                                      | ...     | ...     | 0.8      | ...       | ...       | ...       | ...       | ...       | ...       | ...           |
| Yellow-poplar                  | 2.6                                      | ...     | ...     | ...      | ...       | ...       | ...       | ...       | ...       | ...       | 2.6           |
| Magnolia                       | 5.8                                      | ...     | ...     | ...      | 1.5       | ...       | ...       | 1.3       | 2.0       | 1.0       | ...           |
| Sweetbay                       | 24.4                                     | 1.1     | 5.8     | 4.7      | 5.2       | 6.0       | 0.6       | 1.0       | ...       | ...       | ...           |
| Willow                         | 3.0                                      | ...     | ...     | 0.5      | 1.4       | ...       | ...       | 1.1       | ...       | ...       | ...           |
| Black cherry                   | 8.6                                      | 0.4     | 1.0     | 1.3      | ...       | 2.4       | 1.6       | 1.0       | 1.0       | ...       | ...           |
| American elm                   | 5.1                                      | 0.5     | 1.6     | ...      | 0.8       | ...       | ...       | 2.1       | ...       | ...       | ...           |
| Other elms                     | 20.0                                     | 0.8     | 5.2     | 7.7      | 1.6       | 3.2       | 0.8       | ...       | ...       | 0.7       | ...           |
| River birch                    | 0.7                                      | ...     | ...     | ...      | ...       | ...       | 0.7       | ...       | ...       | ...       | ...           |
| Hackberry                      | 7.5                                      | 1.7     | 0.6     | 1.6      | 1.2       | ...       | 1.7       | ...       | ...       | 0.7       | ...           |
| Other locusts                  | 3.0                                      | ...     | 1.0     | 1.1      | ...       | ...       | 1.0       | ...       | ...       | ...       | ...           |
| Dogwood                        | 1.1                                      | 1.1     | ...     | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...           |
| Holly                          | 7.0                                      | 2.1     | 1.9     | ...      | 0.7       | 2.4       | ...       | ...       | ...       | ...       | ...           |
| Other commercial               | 0.2                                      | 0.2     | ...     | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...           |
| Total hardwoods                | 1655.8                                   | 113.6   | 179.7   | 241.9    | 248.9     | 225.2     | 206.8     | 151.8     | 90.0      | 171.8     | 26.0          |
| All species                    | 5470.5                                   | 330.7   | 642.8   | 852.9    | 816.5     | 765.8     | 669.1     | 498.1     | 320.4     | 526.8     | 47.3          |

Table 35--Volume of growing stock in the saw-log portion of sawtimber trees on timberland by detailed species and diameter class, Southwest Louisiana, 1984

| Species            | Diameter class (inches at breast height) |          |           |           |           |           |           |           |               |
|--------------------|------------------------------------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------|
|                    | All classes                              | 9.0-10.9 | 11.0-12.9 | 13.0-14.9 | 15.0-16.9 | 17.0-18.9 | 19.0-20.9 | 21.0-28.9 | 29.0 & larger |
|                    | ----- Million cubic feet -----           |          |           |           |           |           |           |           |               |
| Longleaf pine      | 244.9                                    | 45.1     | 47.5      | 47.3      | 43.8      | 32.0      | 16.6      | 11.3      | 1.3           |
| Slash pine         | 279.4                                    | 117.3    | 67.2      | 59.0      | 23.3      | 10.2      | 1.2       | 1.2       | ...           |
| Shortleaf pine     | 204.0                                    | 34.7     | 37.4      | 44.9      | 38.1      | 23.2      | 11.5      | 14.0      | ...           |
| Loblolly pine      | 2016.4                                   | 294.8    | 323.0     | 318.9     | 307.0     | 250.6     | 189.6     | 314.0     | 18.6          |
| Other s. pines     | 1.3                                      | ...      | 1.3       | ...       | ...       | ...       | ...       | ...       | ...           |
| Redcedar           | 0.7                                      | 0.7      | ...       | ...       | ...       | ...       | ...       | ...       | ...           |
| Cypress            | 35.1                                     | 1.2      | 6.4       | 3.9       | 6.8       | 6.1       | ...       | 9.4       | 1.2           |
| Total softwoods    | 2781.8                                   | 493.9    | 482.8     | 474.1     | 419.0     | 322.1     | 218.9     | 349.8     | 21.1          |
| Select white oaks  | 70.8                                     | ...      | 17.8      | 12.9      | 10.3      | 10.7      | 3.6       | 13.9      | 1.6           |
| Select red oaks    | 55.3                                     | ...      | 9.7       | 11.5      | 8.5       | 8.2       | 8.3       | 6.1       | 2.9           |
| Other white oaks   | 68.3                                     | ...      | 14.1      | 11.6      | 10.5      | 5.2       | 7.2       | 13.8      | 5.9           |
| Other red oaks     | 246.5                                    | ...      | 62.6      | 38.5      | 40.0      | 39.2      | 16.0      | 42.8      | 7.5           |
| Sweet pecan        | 10.4                                     | ...      | 1.1       | 4.3       | 1.5       | 2.4       | 1.1       | ...       | ...           |
| Water hickory      | 19.9                                     | ...      | 1.7       | 3.8       | 6.2       | 1.5       | ...       | 6.6       | ...           |
| Other hickories    | 48.1                                     | ...      | 9.6       | 6.7       | 7.2       | 9.1       | 5.0       | 10.4      | ...           |
| Soft maple         | 7.0                                      | ...      | 2.8       | 1.7       | 1.3       | ...       | 1.1       | ...       | ...           |
| Beech              | 49.7                                     | ...      | 4.5       | 5.1       | 11.3      | 7.1       | 2.9       | 16.0      | 2.8           |
| Sweetgum           | 218.1                                    | ...      | 44.1      | 43.8      | 41.5      | 28.4      | 25.6      | 34.8      | ...           |
| Blackgum           | 67.8                                     | ...      | 7.8       | 17.9      | 22.3      | 15.2      | 2.4       | 2.2       | ...           |
| Other gums/tupelos | 27.5                                     | ...      | 4.5       | 4.2       | 6.2       | 0.6       | 4.4       | 7.0       | 0.5           |
| White ash          | 5.4                                      | ...      | 1.2       | 2.0       | 2.3       | ...       | ...       | ...       | ...           |
| Other ashes        | 13.3                                     | ...      | 1.4       | 6.6       | 3.6       | ...       | 1.3       | 0.4       | ...           |
| Sycamore           | 1.0                                      | ...      | ...       | 1.0       | ...       | ...       | ...       | ...       | ...           |
| Yellow-poplar      | 2.6                                      | ...      | ...       | ...       | ...       | ...       | ...       | ...       | 2.6           |
| Magnolia           | 4.9                                      | ...      | 1.2       | ...       | ...       | 1.1       | 1.8       | 0.9       | ...           |
| Sweetbay           | 10.5                                     | ...      | 4.1       | 5.0       | 0.5       | 0.9       | ...       | ...       | ...           |
| Willow             | 2.1                                      | ...      | 1.1       | ...       | ...       | 1.0       | ...       | ...       | ...           |
| Black cherry       | 5.0                                      | ...      | ...       | 1.9       | 1.3       | 0.8       | 0.9       | ...       | ...           |
| American elm       | 2.6                                      | ...      | 0.7       | ...       | ...       | 1.9       | ...       | ...       | ...           |
| Other elms         | 5.1                                      | ...      | 1.2       | 2.7       | 0.7       | ...       | ...       | 0.6       | ...           |
| River birch        | 0.6                                      | ...      | ...       | ...       | 0.6       | ...       | ...       | ...       | ...           |
| Hackberry          | 3.2                                      | ...      | 1.0       | ...       | 1.5       | ...       | ...       | 0.7       | ...           |
| Other locusts      | 0.8                                      | ...      | ...       | ...       | 0.8       | ...       | ...       | ...       | ...           |
| Holly              | 2.5                                      | ...      | 0.6       | 1.9       | ...       | ...       | ...       | ...       | ...           |
| Total hardwoods    | 949.1                                    | ...      | 192.6     | 183.2     | 178.0     | 133.4     | 81.6      | 156.2     | 24.0          |
| All species        | 3730.9                                   | 493.9    | 675.4     | 657.4     | 597.1     | 455.5     | 300.5     | 506.1     | 45.1          |

Table 36--Volume of timber on timberland by species and class of timber, Southwest Louisiana, 1984

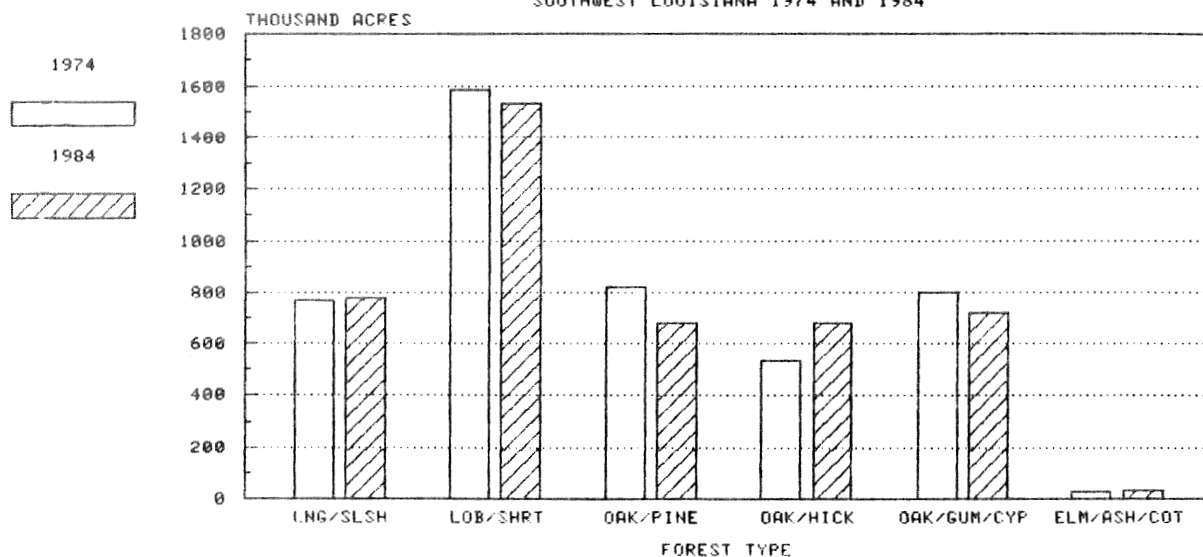
| Species                        | All live | Growing stock | Rough | Rotten |
|--------------------------------|----------|---------------|-------|--------|
| ----- Million cubic feet ----- |          |               |       |        |
| Longleaf pine                  | 373.7    | 369.0         | 4.8   | ...    |
| Slash pine                     | 585.4    | 572.1         | 13.3  | ...    |
| Shortleaf pine                 | 282.7    | 277.3         | 5.4   | ...    |
| Loblolly pine                  | 2593.2   | 2542.5        | 48.9  | 1.8    |
| Other s. pines                 | 1.4      | 1.4           | ...   | ...    |
| Redcedar                       | 0.8      | 0.8           | ...   | ...    |
| Cypress                        | 57.1     | 51.6          | 4.1   | 1.4    |
| Total softwoods                | 3894.3   | 3814.6        | 76.5  | 3.2    |
| Select white oaks              | 154.4    | 121.5         | 23.1  | 9.8    |
| Select red oaks                | 102.1    | 92.4          | 7.8   | 1.8    |
| Other white oaks               | 151.1    | 119.0         | 23.1  | 9.0    |
| Other red oaks                 | 520.4    | 411.9         | 75.9  | 32.6   |
| Sweet pecan                    | 25.9     | 21.0          | 5.0   | ...    |
| Water hickory                  | 41.5     | 28.0          | 12.7  | 0.7    |
| Other hickories                | 86.9     | 76.2          | 8.2   | 2.5    |
| Persimmon                      | 1.6      | 0.5           | 1.1   | ...    |
| Hard maple                     | 0.7      | ...           | 0.7   | ...    |
| Soft maple                     | 43.8     | 26.8          | 14.5  | 2.5    |
| Beech                          | 105.3    | 60.8          | 23.3  | 21.2   |
| Sweetgum                       | 480.3    | 408.2         | 46.3  | 25.9   |
| Blackgum                       | 147.0    | 109.7         | 25.6  | 11.7   |
| Other gums/tupelos             | 53.1     | 39.2          | 5.8   | 8.0    |
| White ash                      | 13.1     | 9.2           | 3.8   | ...    |
| Other ashes                    | 48.5     | 37.7          | 8.9   | 1.8    |
| Sycamore                       | 4.9      | 3.8           | 1.2   | ...    |
| Basswood                       | 1.9      | 0.8           | 1.1   | ...    |
| Yellow-poplar                  | 2.6      | 2.6           | ...   | ...    |
| Magnolia                       | 16.8     | 5.8           | 8.9   | 2.2    |
| Sweetbay                       | 39.5     | 24.4          | 11.4  | 3.7    |
| Willow                         | 4.9      | 3.0           | 1.0   | 0.9    |
| Black cherry                   | 9.1      | 8.6           | 0.5   | ...    |
| American elm                   | 8.4      | 5.1           | 3.3   | ...    |
| Other elms                     | 25.2     | 20.0          | 5.2   | ...    |
| River birch                    | 1.3      | 0.7           | 0.7   | ...    |
| Hackberry                      | 11.9     | 7.5           | 4.0   | 0.3    |
| Other locusts                  | 4.1      | 3.0           | 1.1   | ...    |
| Sassafras                      | 3.8      | ...           | 2.8   | 1.0    |
| Dogwood                        | 3.0      | 1.1           | 1.8   | ...    |
| Holly                          | 10.9     | 7.0           | 3.0   | 0.8    |
| Other commercial               | 1.5      | 0.2           | 1.3   | ...    |
| Total hardwoods                | 2125.4   | 1655.8        | 333.1 | 136.4  |
| Noncommercial                  | 60.9     | ...           | 60.9  | ...    |
| All species                    | 6080.6   | 5470.5        | 470.5 | 139.6  |



## GRAPHICS

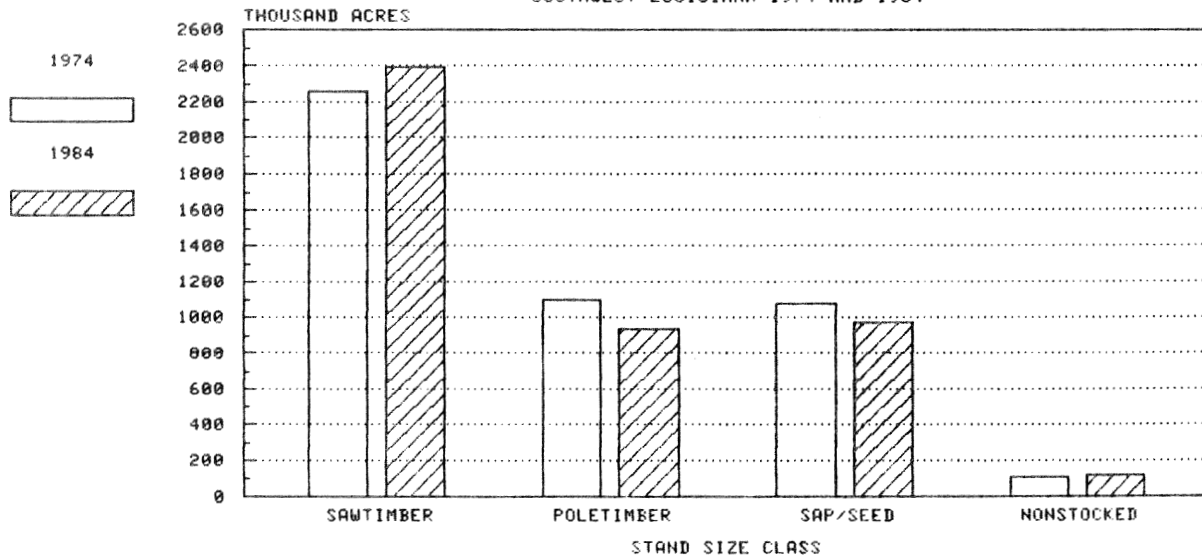
### AREA OF TIMBERLAND BY FOREST TYPE

SOUTHWEST LOUISIANA 1974 AND 1984



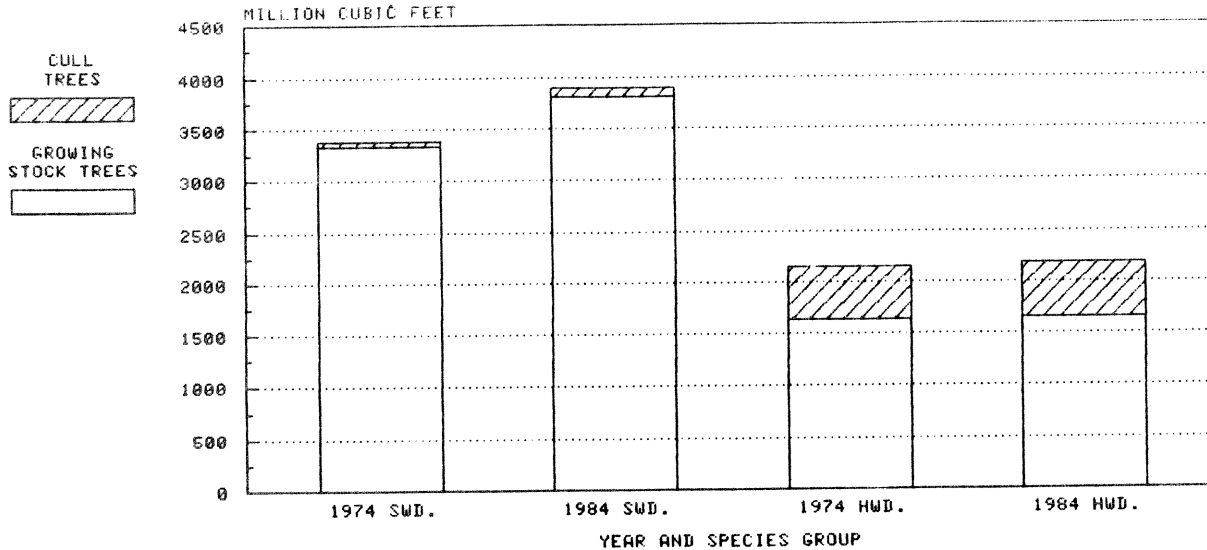
### AREA OF TIMBERLAND BY STAND SIZE CLASS

SOUTHWEST LOUISIANA 1974 AND 1984



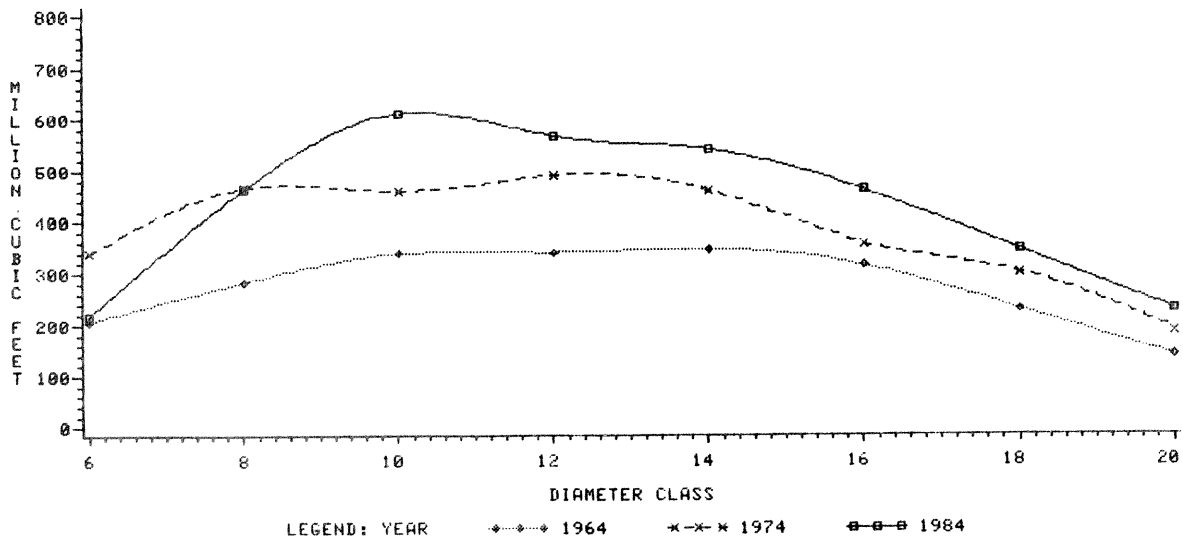
## TIMBER VOLUME BY TREE CLASS AND SPECIES

SOUTHWEST LOUISIANA 1974 AND 1984

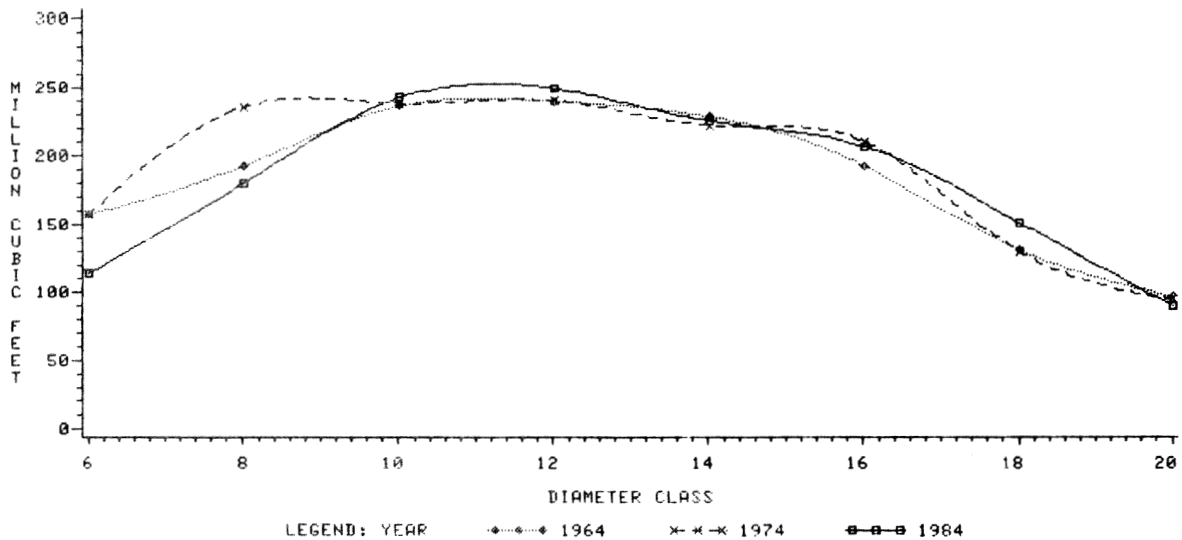


## SOFTWOOD GROWING STOCK VOLUME BY DBH CLASS

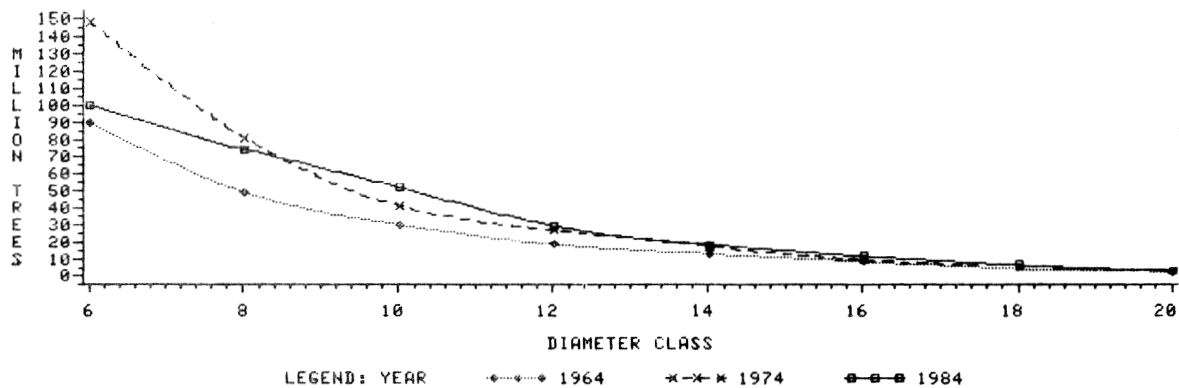
SOUTHWEST LOUISIANA 1964, 1974, AND 1984



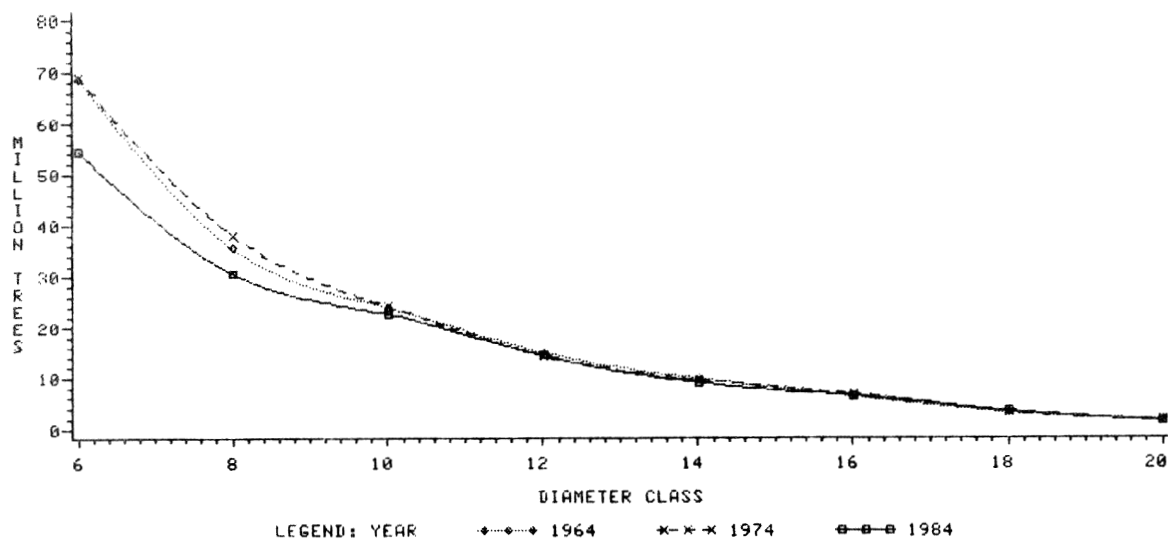
# HARDWOOD GROWING STOCK VOLUME BY DBH CLASS SOUTHWEST LOUISIANA 1964, 1974, AND 1984



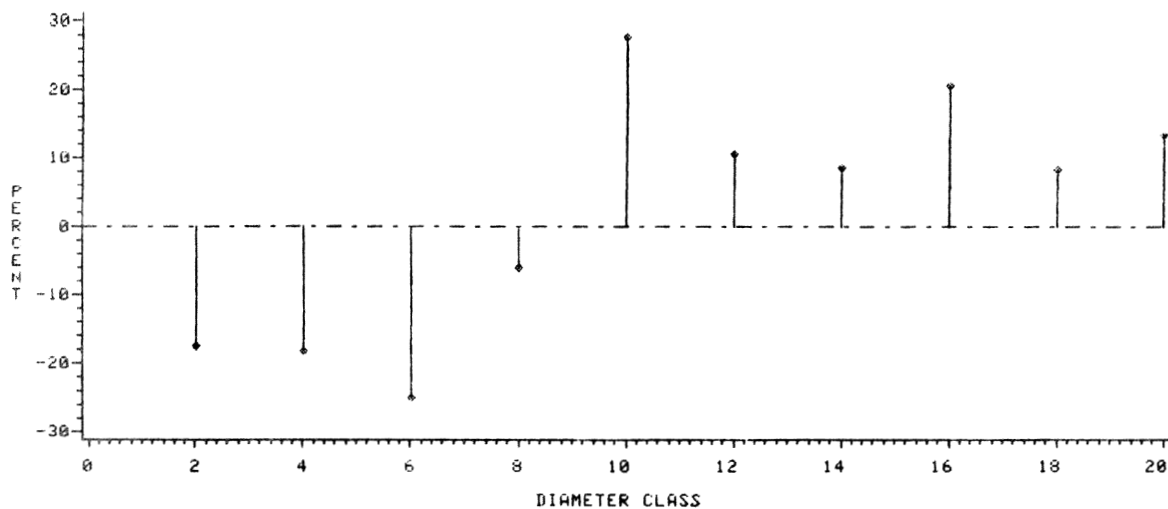
# NUMBER OF SOFTWOOD GROWING STOCK TREES BY DBH CLASS SOUTHWEST LOUISIANA 1964, 1974, AND 1984



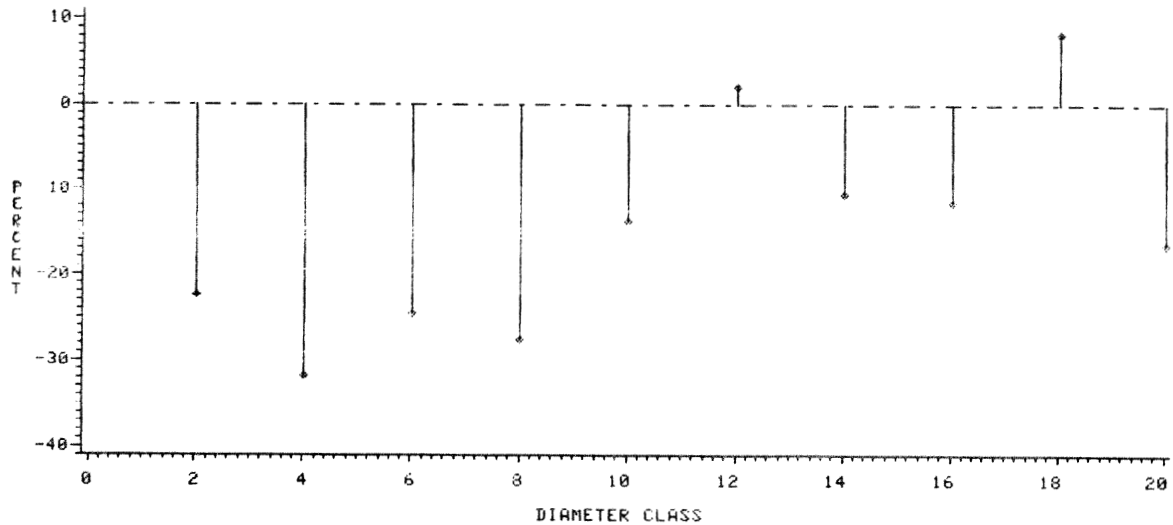
# NUMBER OF HARDWOOD GROWING STOCK TREES BY DBH CLASS SOUTHWEST LOUISIANA 1964, 1974, AND 1984



## CHANGE IN NUMBER OF LIVE SOFTWOOD TREES SOUTHWEST LOUISIANA 1974 TO 1984

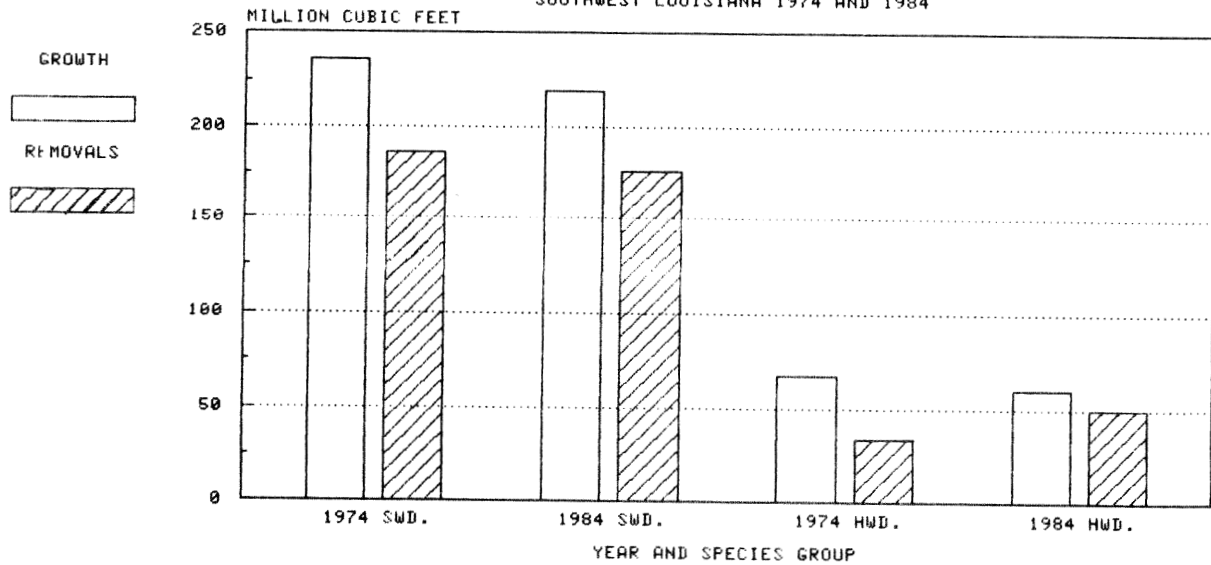


# CHANGE IN NUMBER OF LIVE HARDWOOD TREES SOUTHWEST LOUISIANA 1974 TO 1984



# GROWTH AND REMOVALS BY SPECIES GROUP

SOUTHWEST LOUISIANA 1974 AND 1984





Rosson, Jr., James F. and Daniel F. Bertelson.  
Forest Statistics for Southwest Louisiana  
parishes. Resourc. Bull.S0-103 . New Orleans,  
LA: U.S. Department of Agriculture, Forest  
Service, Southern Forest Experiment Station;  
1985. 31 p.

Tabulates forest resource information from  
a new inventory of the Southwest Unit of  
Louisiana.

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





