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SOUTHERN PULPWOOD PRODUCTION, 1961

#59



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SOUTHERN PULPWOOD PRODUCTION, 1961

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Southern pulpwood production reached 24,230,728 cords in 1961—60 percent of the Nation's total. Significant increases were noted in the consumption of hardwood and residues. But pine roundwood remained virtually unchanged for the third consecutive year.

Gains in 9 of the 12 southern States raised pulpwood output 3 percent above 1960 levels. They varied from a negligible amount in Virginia to a 16-percent gain in Tennessee. Production in three States—Louisiana, Mississippi, and Oklahoma—declined. Georgia harvested over 4.9 million cords to remain the South's leading producer. Alabama was second with 3.3 million cords, followed by North Carolina, South Carolina, and Florida, each producing over two million cords (table A).

Roundwood Production

Some 20,919,012 cords were delivered to the mills as roundwood (bolts cut from standing timber, as contrasted with sawmill chips, veneer cores, or other wood residues used for pulp). Nearly 80 percent of this roundwood was southern pine (table B), which has tra-

ditionally dominated the South's pulpwood market. But its share in the swelling pulpwood market has declined from a high of 90 percent of the total in 1949 to 68 percent in 1961. The

Table B. *Round pulpwood production in the South, by State and species group, 1961*

| State | All species | Pine | Soft hardwoods ¹ | Hard hardwoods |
|------------------------|-------------|----------|-----------------------------|----------------|
| --- Thousand cords --- | | | | |
| Alabama | 2,805.6 | 2,168.9 | 524.7 | 112.0 |
| Arkansas | 1,235.8 | 987.0 | 201.5 | 47.3 |
| Florida | 2,058.8 | 1,954.4 | 90.4 | 14.0 |
| Georgia | 4,406.0 | 3,923.9 | 375.5 | 106.6 |
| Louisiana | 1,630.3 | 1,306.2 | 231.0 | 93.1 |
| Mississippi | 1,718.9 | 889.4 | 730.3 | 99.2 |
| North Carolina | 1,879.9 | 1,430.4 | 222.0 | 227.5 |
| Oklahoma | 22.5 | 13.3 | 3.4 | 5.8 |
| South Carolina | 1,964.7 | 1,535.7 | 338.1 | 90.9 |
| Tennessee | 403.8 | 214.8 | 42.6 | 146.4 |
| Texas | 1,130.5 | 906.9 | 199.7 | 23.9 |
| Virginia | 1,662.2 | 1,190.0 | 119.9 | 352.3 |
| All states | 20,919.0 | 16,520.9 | 3,079.1 | 1,319.0 |

¹ Includes gums, cottonwood, willow, yellow-poplar, bay, magnolia, maples, basswood, sycamore, soft elm, hackberry.

Table A. *Pulpwood production in the South, 1961, and change since 1960*

| State | Round pulpwood and residues | Change |
|----------------|-----------------------------|------------------|
| | Thousand cords | Percent |
| Alabama | 3,300.4 | + 9 |
| Arkansas | 1,642.8 | + 6 |
| Florida | 2,265.4 | + 8 |
| Georgia | 4,949.1 | + 1 |
| Louisiana | 1,337.5 | - 1 |
| Mississippi | 1,918.8 | - 3 |
| North Carolina | 2,291.9 | + 1 |
| Oklahoma | 40.4 | -24 |
| South Carolina | 2,290.7 | + 5 |
| Tennessee | 418.5 | +16 |
| Texas | 1,441.5 | + 1 |
| Virginia | 1,833.7 | (¹) |
| All states | 24,230.7 | + 3 |

¹ Negligible.

output of round pine peaked in 1956 at 16.9 million cords. For 2 years during the 1957-58 recession, the harvest of pine declined. Then in 1959, it rose to 16.5 million cords, where it has remained for the past 3 consecutive years. Apparently the demand for pine roundwood has been softened by the rapid rise in chip use.

At the same time, the harvest of hardwood has been steadily expanding. The production of 4,398,105 cords in 1961 was up 7 percent over 1960 (table 1) and 17 percent above 1959. A decade ago, hardwood bolt production was largely confined to central Virginia, western North Carolina, and southern Mississippi. Since then, the number of mills using hardwood bolts

has increased from 34 to 64, and the number of southern counties producing hardwoods has jumped from 544 to 720. The production gains registered by Alabama and Georgia are the most noticeable. Ten years ago they produced less hardwood for pulp than all other southern States except three. Now they rank second and third in hardwood production.

Technological advances in hardwood pulping processes have aided this trend. Semichemical, groundwood, and other mechanical processes account for 10,956 tons of capacity—21 percent of the South's total. But increased pulping of hardwoods by the sulfate process is the most significant advance of recent years. For instance, in 1961, mills exclusively using the sulfate process received a third of the hardwood delivered to southern mills (table C). Of the 33 mills in this category 27 pulped hardwoods, and their hardwood receipts ranged from 1 to 48 percent of all wood received, with an average of 14 percent.

Southern pulpmills show a distinct preference for the soft-textured hardwoods such as the gums and yellow-poplar (table B). This is particularly true of mills using only the sulfate process (table C). However, use of the hard-textured species has been rising at a slightly faster pace than that of soft hardwoods for the past several years.

Table C. *Hardwood receipts at southern mills, 1961*¹

| Process at mill | Capacity | All | | |
|--------------------------|----------|------------------------|----------------|----------------|
| | | hardwoods ² | Soft hardwoods | Hard hardwoods |
| <i>Tons per day</i> | | <i>Percent</i> | | |
| Sulfate | 23,830 | 33 | 38 | 19 |
| Sulfate and semichemical | 14,115 | 31 | 26 | 44 |
| Sulfate and groundwood | 6,055 | 5 | 10 | — |
| Groundwood | 2,364 | 14 | 18 | 4 |
| Semichemical | 2,142 | 12 | 5 | 23 |
| Other | 2,650 | 5 | 3 | 10 |
| Total | 51,156 | 100 | 100 | 100 |

¹ Based on 74 percent of the hardwood delivered to southern mills.

² Includes wood residues.

Production by County

County patterns of round pulpwood production are shown in figures 1 and 2. Union County, Louisiana, led in the harvest of pine with 136,897 cords. Seven other counties cut more than 100,000 cords in 1961. They were Baldwin County, Alabama; Camden, Clinch,

Ware, and Wayne Counties, Georgia; Winn County, Louisiana; and Fairfield County, South Carolina. Twenty-two counties harvested between 75,000 and 100,000 cords, and 41 others were in the 50,000 to 75,000 class. These 71 counties accounted for 32 percent of all the pine roundwood produced in the South during 1961.

Choctaw County, Alabama, led in the harvest of hardwood, with 74,729 cords. Wilcox County, Alabama, was the only other southern county producing more than 50,000 cords of hardwoods in 1961.

Changing Mill Procurement Patterns

When the number of mills procuring pine roundwood by county (fig. 3) is compared to previous years, a changing pattern becomes apparent. There are now fewer counties from which a large number of mills are drawing pine. This reflects a shrinking in size of mill procurement territories. Southern pulpmills expanded their pine procurement territories throughout most of the past decade (table D). In 1958, 31 percent of the pine roundwood produced was transported over 100 miles to the mill. As the mills extended their purchases, the number of counties from which seven or more mills drew pine rose from 57 in 1951 to 146 in 1959 (table E). Then, in 1960, the mills began drawing in their procurement territories

Table D. *Southern pulpwood receipts by airline distance to mill, 1951, 1956, and 1961*¹

| Distance to mill (Miles) | Pine | | | Hardwood | | |
|----------------------------------|------|------|------|----------|------------------|------|
| | 1951 | 1956 | 1961 | 1951 | 1956 | 1961 |
| <i>--- Cumulated percent ---</i> | | | | | | |
| All distances | 100 | 100 | 100 | 100 | 100 | 100 |
| 50 or more | 60 | 59 | 50 | 42 | 30 | 36 |
| 100 or more | 26 | 28 | 21 | 10 | 9 | 10 |
| 200 or more | 2 | 2 | 1 | 0 | (²) | 1 |

¹ Based on sample of 43 mills representing 71, 63, and 58 percent of the pine roundwood produced in the 3 years, and 46, 53, and 52 percent of the hardwood roundwood.

² Less than 0.5 percent.

Table E. *Number of southern counties by the number of pulp companies procuring pine roundwood, 1956-1961*

| Pulp companies (Number) | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 |
|-------------------------------------|------|------|------|------|------|------|
| <i>Cumulated number of counties</i> | | | | | | |
| 1 or more | 777 | 786 | 771 | 772 | 772 | 780 |
| 4 or more | 417 | 414 | 402 | 404 | 383 | 356 |
| 7 or more | 109 | 130 | 131 | 146 | 100 | 84 |
| 10 or more | 11 | 28 | 28 | 29 | 13 | 11 |

and a sharp break occurred in the number of counties from which seven or more mills drew pine. By 1961, only 21 percent of the round pine was transported over 100 miles to the mill. Apparently, the mills have been cutting transportation costs by shortening the length of haul on pine roundwood.

In contrast to pine, the number of counties from which four or more mills drew hardwood has rapidly expanded (fig. 4), especially during the past 5 years (table F). However, the distance hardwood is transported to the mill has not increased proportionately (table D). The per-county increase in number of mills procuring hardwoods is largely accounted for by mills that began using hardwoods for the first time. For the most part, their individual volumes of purchases were small and restricted to local areas. It is only as consumption of hardwoods increases that mills reach farther out.

Table F. *Number of southern counties by the number of pulp companies procuring hardwood roundwood, 1951, 1956, 1961*

| Pulp companies (Number) | 1951 | 1956 | 1961 |
|-------------------------------------|------|------|------|
| <i>Cumulated number of counties</i> | | | |
| 1 or more | 544 | 606 | 720 |
| 4 or more | 43 | 50 | 120 |
| 7 or more | 5 | 0 | 6 |
| 10 or more | 0 | 0 | 0 |

Residues

Wood residue production totaled 3,311,716 cord equivalents in 1961—a 12-percent gain over 1960 (table 2). Residues now account for 14 percent of all pulpwood produced in the South. Georgia remains the leading producer,

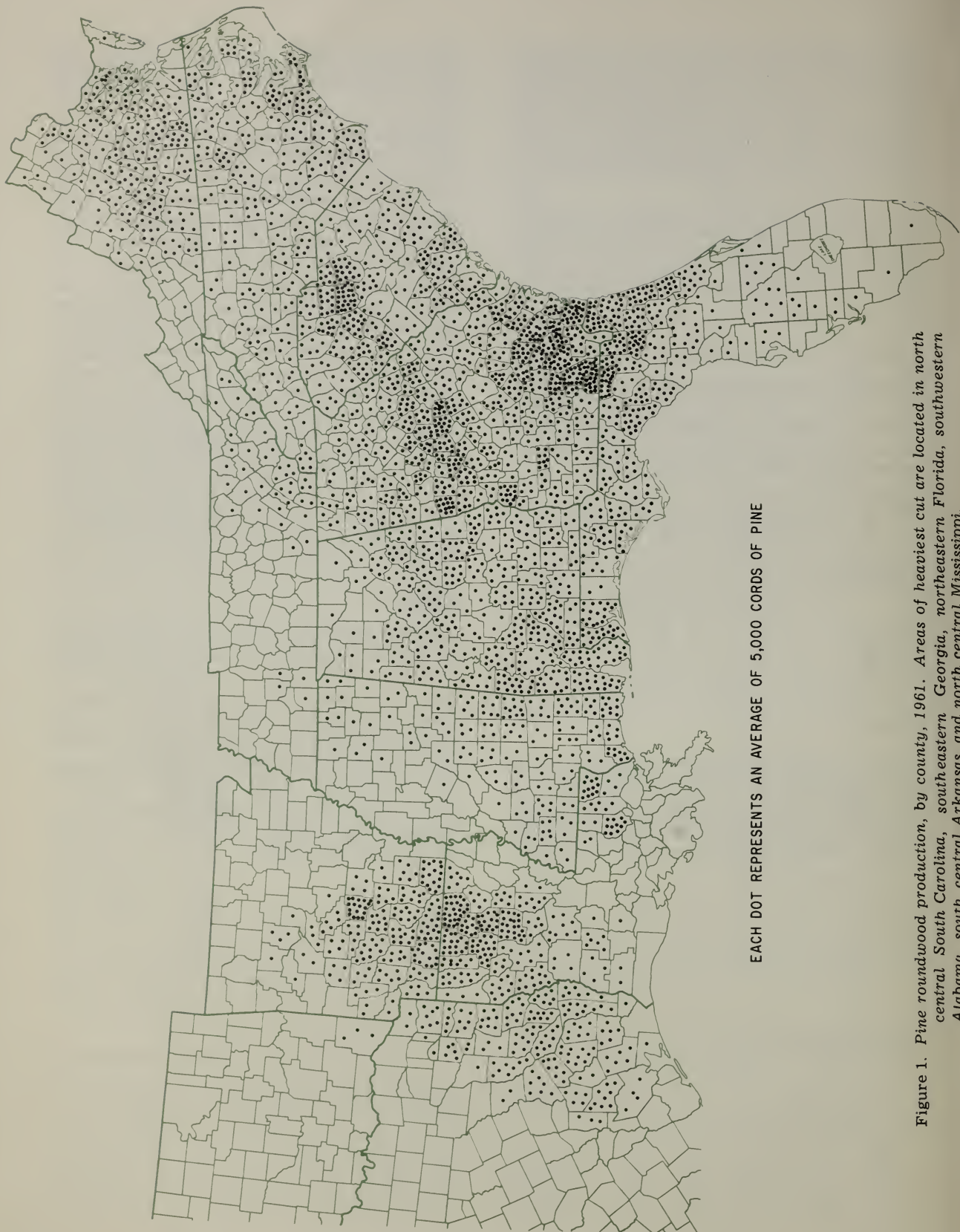
with 543,076 cords. Alabama, Arkansas, and North Carolina produced more than 400,000 cords each.

Ninety-eight percent of this material was chips from sawmill and veneer plant waste; the remainder consisted of veneer cores, cull crossties, pole and piling ends, and other coarse residues (table 3). Pine chip production reached 2.8 million cords in 1961—85 percent of all residues received at the mills. However, the rapid growth in pine chip production has slowed considerably during the past 2 years (fig. 5). The 1961 production gain was less than half that of earlier years. Hardwood chip production, on the other hand, has been growing at an accelerated pace since 1959.

Pine chip production has followed a normal growth curve and is now apparently reaching the limit of economic supply. A large source of unused residue remains at small sawmills, but to tap this resource would require development of specialized equipment and methods of handling.

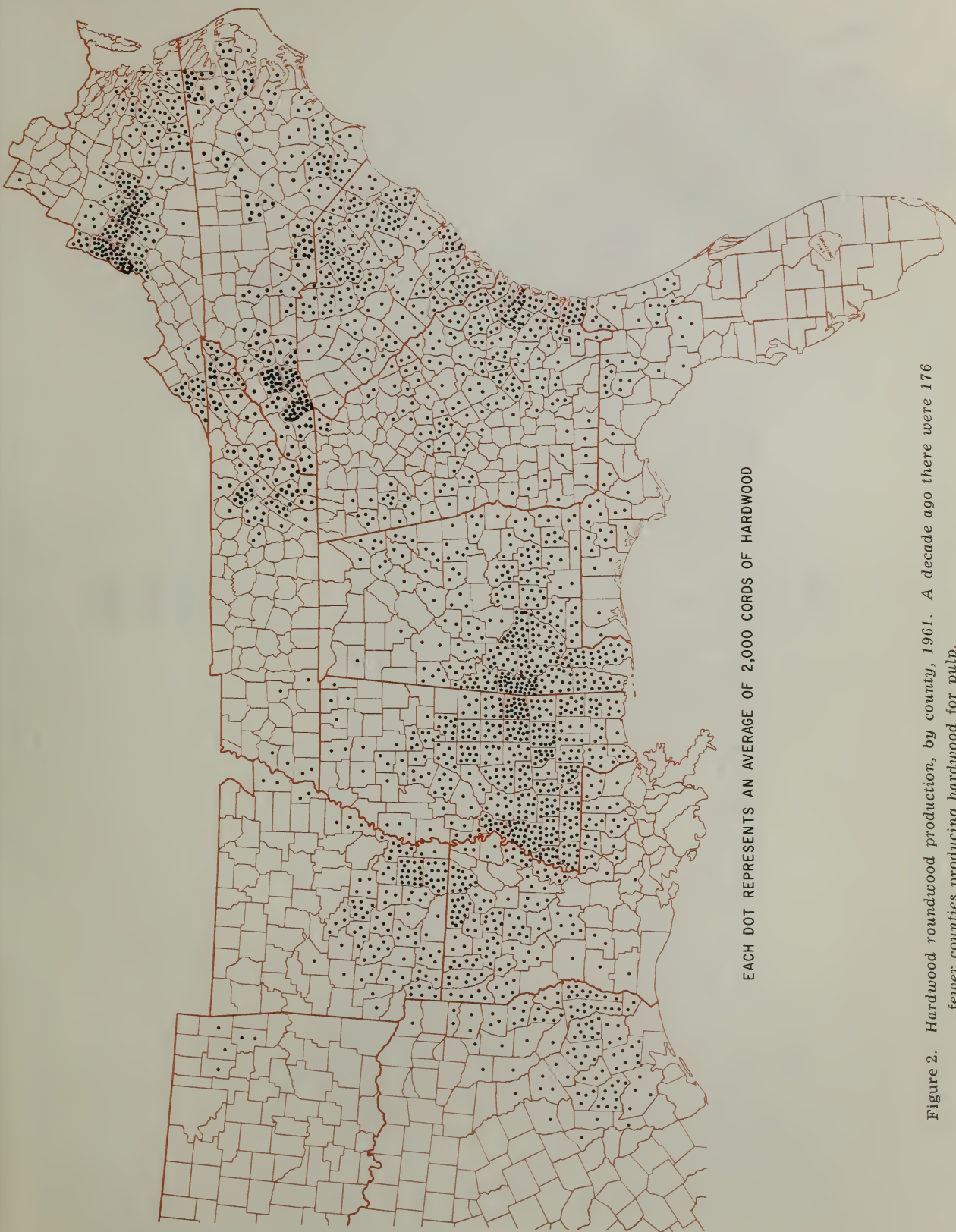
Capacity

The construction of 24 new mills and expansion of existing ones more than doubled the South's pulp capacity during the past decade. In the past 5 years alone, plant capacity increased by a third. The South now has 81 mills with 51,156 tons of daily capacity (table 18). One new mill went into operation during 1961 and several minor expansion programs were carried out. The 1960-61 increment in plant capacity was the smallest in any single year since at least 1946.



EACH DOT REPRESENTS AN AVERAGE OF 5,000 CORDS OF PINE

Figure 1. Pine roundwood production, by county, 1961. Areas of heaviest cut are located in north central South Carolina, southeastern Georgia, northeastern Florida, southwestern Alabama, south central Arkansas, and north central Mississippi.



EACH DOT REPRESENTS AN AVERAGE OF 2,000 CORDS OF HARDWOOD

Figure 2. *Hardwood roundwood production, by county, 1961. A decade ago there were 176 fewer counties producing hardwood for pulp.*

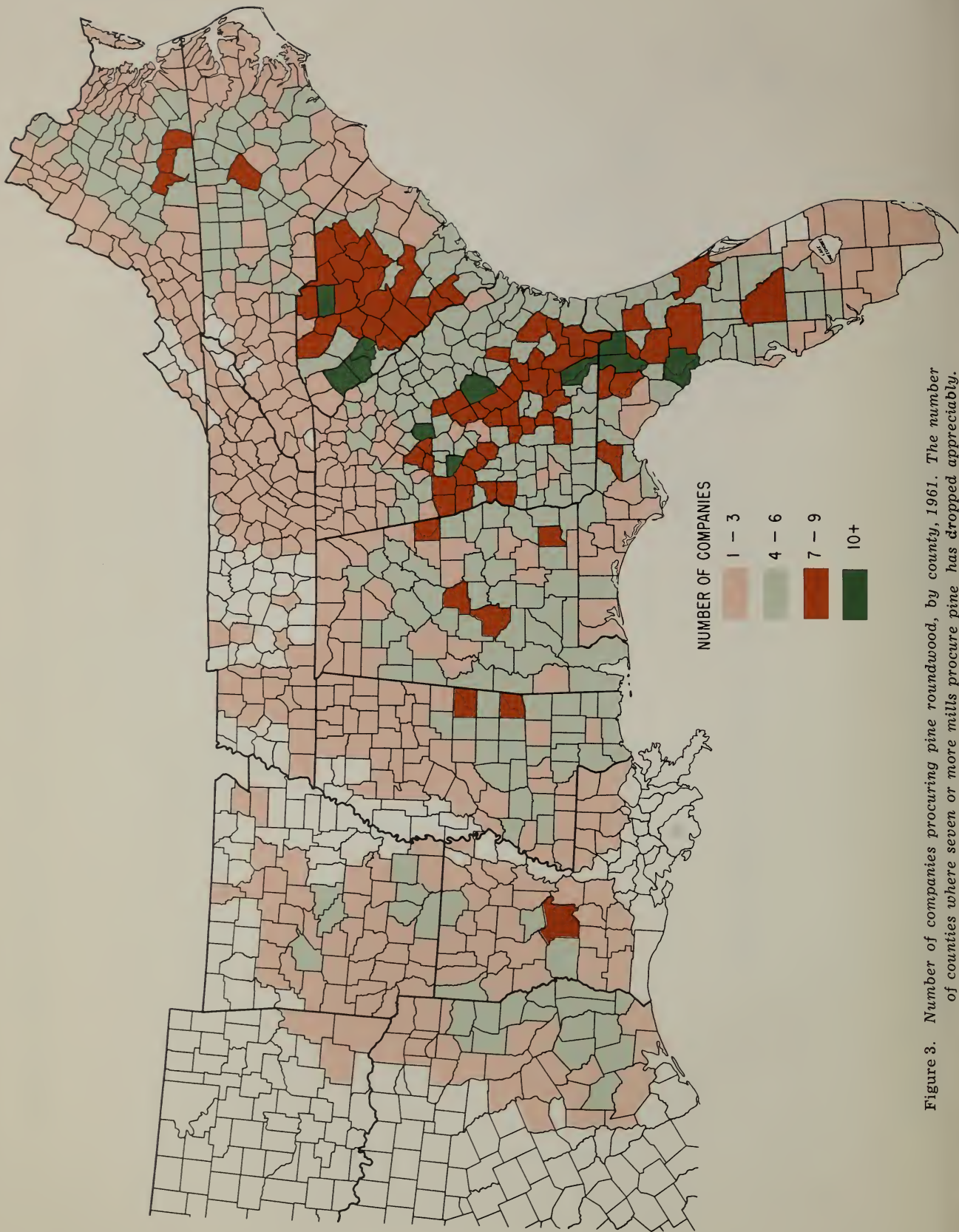


Figure 3. Number of companies procuring pine roundwood, by county, 1961. The number of counties where seven or more mills procure pine has dropped appreciably.

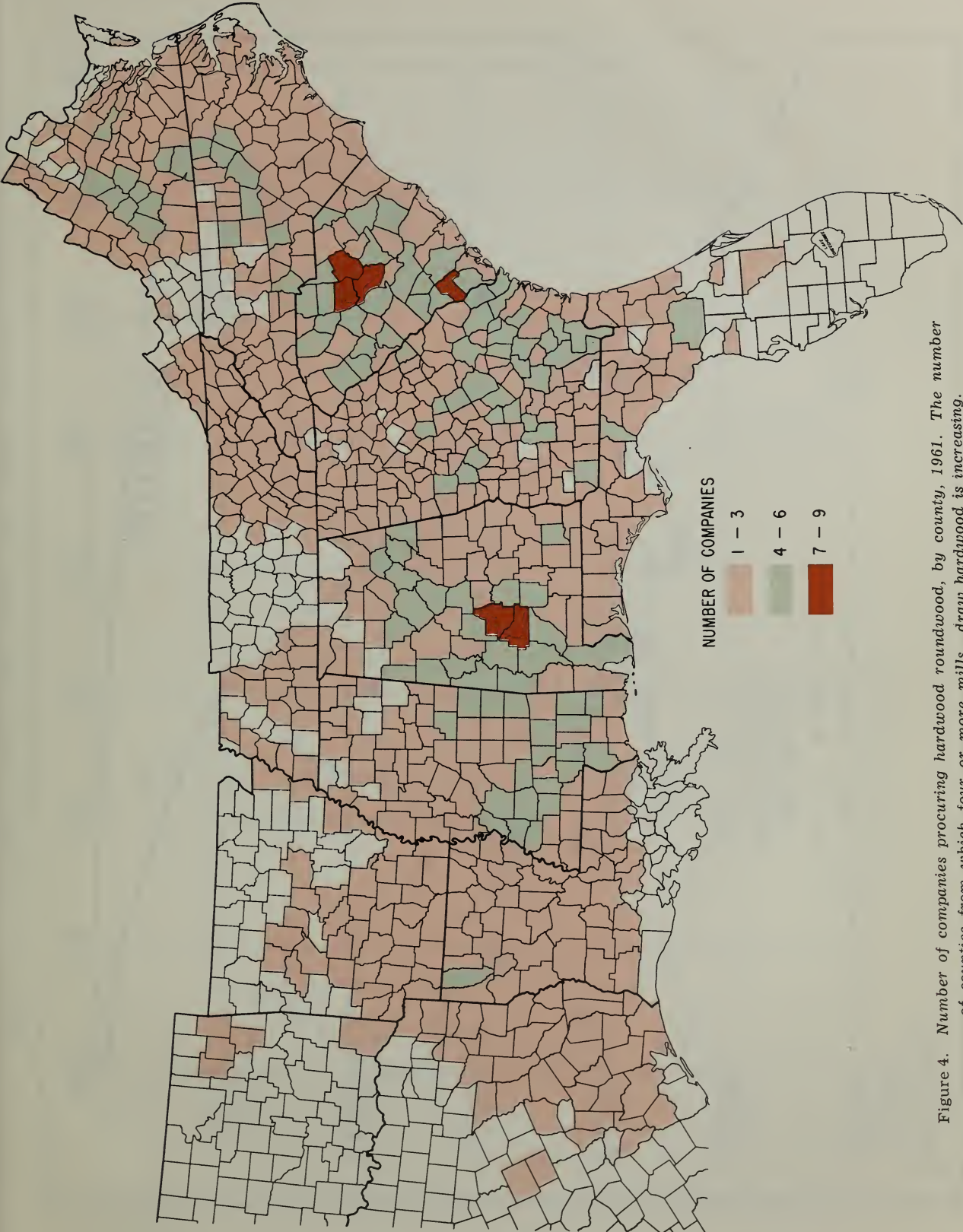


Figure 4. Number of companies procuring hardwood roundwood, by county, 1961. The number of counties from which four or more mills draw hardwood is increasing.

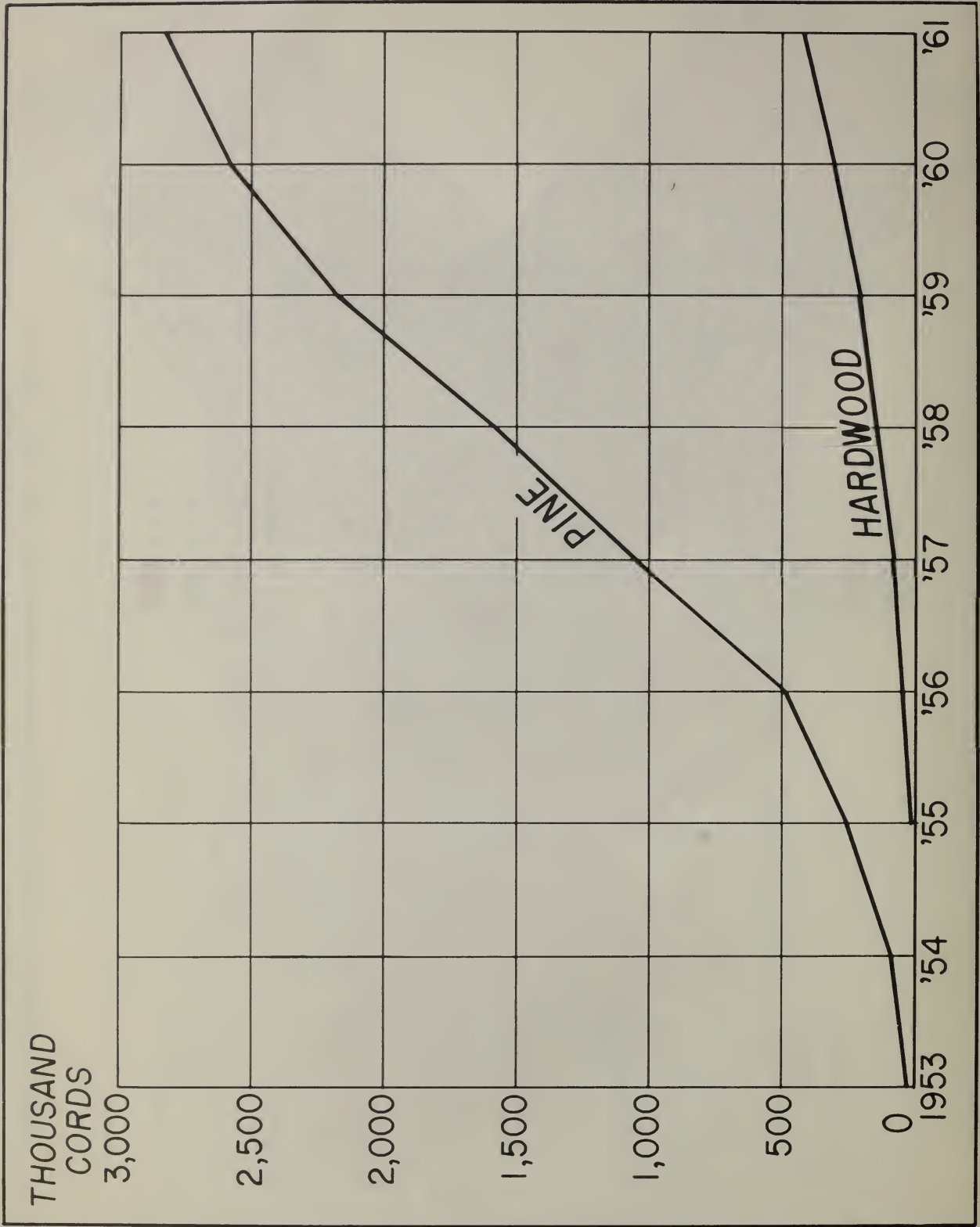


Figure 5. Pine chip production has slowed during the past 2 years. Hardwood chips continue to rise.

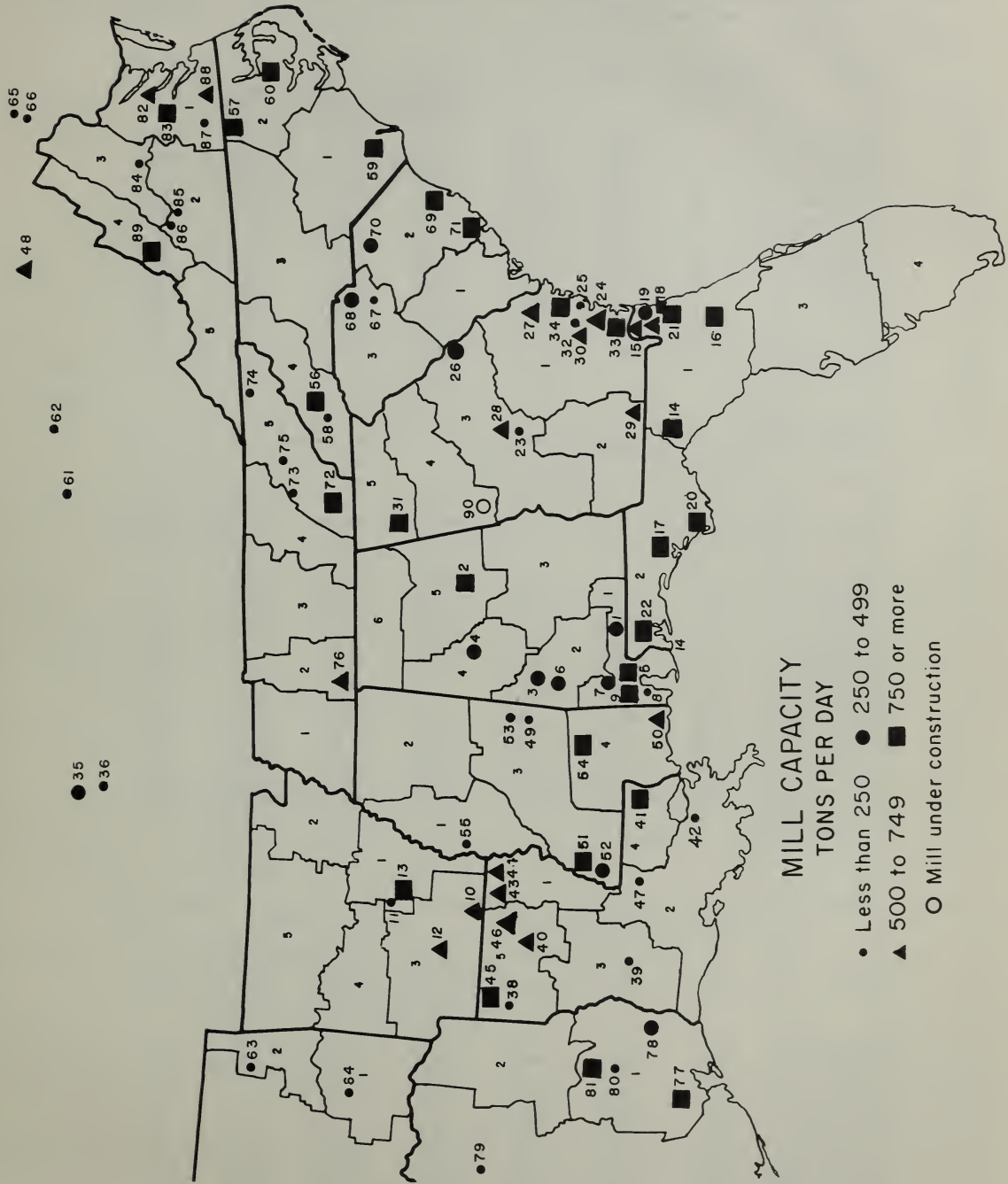


Figure 6. Mills using southern pulpwood in 1961 and those under construction. Numbered areas are Forest Survey units. Small numbers at mill locations correspond to numbers in table 18.

DETAILED TABLES

Table 1. Round pulpwood production in the South, by State and species group, 1961 and 1960

| State | Change from 1960 | 1961 | | | 1960 | | |
|----------------|------------------|-----------------------------------|----------|----------|-------------|----------|----------|
| | | All species | Pine | Hardwood | All species | Pine | Hardwood |
| <i>Percent</i> | | ----- <i>Thousand cords</i> ----- | | | | | |
| Alabama | +8 | 2,805.6 | 2,168.9 | 636.7 | 2,593.7 | 2,016.4 | 577.3 |
| Arkansas | +2 | 1,235.8 | 987.0 | 248.8 | 1,216.4 | 983.2 | 233.2 |
| Florida | +7 | 2,058.8 | 1,954.4 | 104.4 | 1,923.9 | 1,825.2 | 98.7 |
| Georgia | (¹) | 4,406.0 | 3,923.9 | 482.1 | 4,410.1 | 4,004.7 | 405.4 |
| Louisiana | -1 | 1,630.3 | 1,306.2 | 324.1 | 1,645.6 | 1,290.9 | 354.7 |
| Mississippi | -3 | 1,718.9 | 889.4 | 829.5 | 1,774.3 | 956.0 | 818.3 |
| North Carolina | (¹) | 1,879.9 | 1,430.4 | 449.5 | 1,887.9 | 1,486.2 | 401.7 |
| Oklahoma | -42 | 22.5 | 13.3 | 9.2 | 38.6 | 30.1 | 8.5 |
| South Carolina | +3 | 1,964.7 | 1,535.7 | 429.0 | 1,901.8 | 1,515.0 | 386.8 |
| Tennessee | +14 | 403.8 | 214.8 | 189.0 | 353.4 | 188.8 | 164.6 |
| Texas | (¹) | 1,130.5 | 906.9 | 223.6 | 1,134.5 | 916.6 | 217.9 |
| Virginia | -3 | 1,662.2 | 1,190.0 | 472.2 | 1,715.3 | 1,277.8 | 437.5 |
| All states | +2 | 20,919.0 | 16,520.9 | 4,398.1 | 20,595.5 | 16,490.9 | 4,104.6 |

¹ Negligible.

Table 2. Wood residues used for pulp manufacture in the South, by State and species group, 1961 and 1960

| State | Change from 1960 | 1961 | | | 1960 | | |
|----------------|------------------|-----------------------------------|---------|----------|-------------|---------|-------------------|
| | | All species | Pine | Hardwood | All species | Pine | Hardwood |
| <i>Percent</i> | | ----- <i>Thousand cords</i> ----- | | | | | |
| Alabama | +16 | 494.8 | 395.9 | 98.9 | 426.0 | 354.6 | 71.4 |
| Arkansas | +20 | 407.0 | 385.8 | 21.2 | 339.5 | 329.5 | 10.0 |
| Florida | +17 | 206.6 | 180.9 | 25.7 | 176.5 | 164.0 | 12.5 |
| Georgia | +10 | 543.1 | 463.7 | 79.4 | 495.7 | 439.7 | 56.0 |
| Louisiana | -2 | 207.2 | 182.6 | 24.6 | 211.3 | 182.4 | 28.9 |
| Mississippi | (¹) | 199.9 | 155.9 | 44.0 | 199.3 | 152.7 | 46.6 |
| North Carolina | +7 | 412.0 | 342.0 | 70.0 | 385.7 | 325.0 | ² 60.7 |
| Oklahoma | +23 | 17.9 | 17.9 | ... | 14.5 | 14.5 | ... |
| South Carolina | +13 | 326.0 | 260.9 | 65.1 | 288.6 | 239.0 | 49.6 |
| Tennessee | +75 | 14.7 | 4.1 | 10.6 | 8.4 | 1.1 | 7.3 |
| Texas | +7 | 311.0 | 288.8 | 22.2 | 291.9 | 276.1 | 15.8 |
| Virginia | +45 | 171.5 | 153.7 | 17.8 | 118.1 | 105.0 | 13.1 |
| All states | +12 | 3,311.7 | 2,832.2 | 479.5 | 2,955.5 | 2,583.6 | 371.9 |

¹ Negligible.

² Includes 223 cords of hemlock.

Table 3. Wood residues used for pulp manufacture in the South, by State and type of residue, 1961

| State | All types | Chips | | | Other residues ¹ | | |
|-----------------------------------|-----------|-------------|---------|----------|-----------------------------|------|----------|
| | | All species | Pine | Hardwood | All species | Pine | Hardwood |
| ----- <i>Thousand cords</i> ----- | | | | | | | |
| Alabama | 494.8 | 488.2 | 394.3 | 93.9 | 6.6 | 1.6 | 5.0 |
| Arkansas | 407.0 | 396.7 | 384.5 | 12.2 | 10.3 | 1.3 | 9.0 |
| Florida | 206.6 | 206.0 | 180.9 | 25.1 | 0.6 | ... | 0.6 |
| Georgia | 543.1 | 525.2 | 462.3 | 62.9 | 17.9 | 1.4 | 16.5 |
| Louisiana | 207.2 | 204.7 | 182.2 | 22.5 | 2.5 | 0.4 | 2.1 |
| Mississippi | 199.9 | 191.9 | 154.8 | 37.1 | 8.0 | 1.1 | 6.9 |
| North Carolina | 412.0 | 396.4 | 341.5 | 54.9 | 15.6 | 0.5 | 15.1 |
| Oklahoma | 17.9 | 17.9 | 17.9 | ... | ... | ... | ... |
| South Carolina | 326.0 | 317.9 | 260.2 | 57.7 | 8.1 | 0.7 | 7.4 |
| Tennessee | 14.7 | 13.8 | 4.1 | 9.7 | 0.9 | ... | 0.9 |
| Texas | 311.0 | 307.7 | 287.3 | 20.4 | 3.3 | 1.5 | 1.8 |
| Virginia | 171.5 | 168.7 | 153.7 | 15.0 | 2.8 | ... | 2.8 |
| All states | 3,311.7 | 3,235.1 | 2,823.7 | 411.4 | 76.6 | 8.5 | 68.1 |

¹ Veneer cores, pole and piling trim, cull crosssties, secondary residues.

Table 4. Southern pulpwood production by State and survey unit, 1961

| Round pulpwood and residues | Survey Unit ¹ | All species | Pine | Hardwood | Round pulpwood and residues | Survey Unit ¹ | All species | Pine | Hardwood |
|-----------------------------|--------------------------|----------------|------------|-----------|-----------------------------|--------------------------|----------------|-----------|----------|
| Number | | Standard cords | | | Number | | Standard cords | | |
| SOUTH | | | | | | | | | |
| Roundwood | | 20,919,012 | 16,520,907 | 4,398,105 | Roundwood | 1 | 516,168 | 390,498 | 125,670 |
| Wood residues | | 3,311,716 | 2,832,236 | 479,480 | | 2 | 750,969 | 471,212 | 279,757 |
| All pulpwood | | 24,230,728 | 19,353,143 | 4,877,585 | | 3 | 741,282 | 599,538 | 141,744 |
| | | | | | | 4 | 280,925 | 238,571 | 42,354 |
| | | | | | | 5 | 466,537 | 422,872 | 43,665 |
| | | | | | | 6 | 49,718 | 46,157 | 3,561 |
| | | | | | Total | | 2,805,599 | 2,168,848 | 636,751 |
| | | | | | Wood residues | | 494,793 | 395,959 | 98,834 |
| | | | | | All pulpwood | | 3,300,392 | 2,564,807 | 735,585 |
| SOUTHEASTERN STATION | | | | | | | | | |
| FLORIDA | | | | | | | | | |
| Roundwood | 1 | 1,306,375 | 1,243,707 | 62,668 | ALABAMA | | | | |
| | 2 | 576,217 | 534,926 | 41,291 | Roundwood | 1 | 516,168 | 390,498 | 125,670 |
| | 3 | 149,503 | 149,102 | 401 | | 2 | 750,969 | 471,212 | 279,757 |
| | 4 | 26,654 | 26,654 | ... | | 3 | 741,282 | 599,538 | 141,744 |
| Total | | 2,058,749 | 1,954,389 | 104,360 | | 4 | 280,925 | 238,571 | 42,354 |
| Wood residues | | 206,680 | 180,974 | 25,706 | | 5 | 466,537 | 422,872 | 43,665 |
| All pulpwood | | 2,265,429 | 2,135,363 | 130,066 | | 6 | 49,718 | 46,157 | 3,561 |
| | | | | | Total | | 2,805,599 | 2,168,848 | 636,751 |
| GEORGIA | | | | | | | | | |
| Roundwood | 1 | 1,928,112 | 1,636,582 | 291,530 | Wood residues | | 494,793 | 395,959 | 98,834 |
| | 2 | 427,546 | 400,817 | 26,729 | All pulpwood | | 3,300,392 | 2,564,807 | 735,585 |
| | 3 | 1,300,387 | 1,203,903 | 96,484 | ARKANSAS | | | | |
| | 4 | 552,413 | 510,980 | 41,433 | Roundwood | 1 | 66,990 | 28,006 | 38,984 |
| | 5 | 197,552 | 171,576 | 25,976 | | 2 | 8,355 | 628 | 7,727 |
| Total | | 4,406,010 | 3,923,858 | 482,152 | | 3 | 1,016,821 | 829,537 | 187,284 |
| Wood residues | | 543,076 | 463,663 | 79,413 | | 4 | 114,933 | 101,985 | 12,948 |
| All pulpwood | | 4,949,086 | 4,387,521 | 561,565 | | 5 | 28,729 | 26,888 | 1,841 |
| | | | | | Total | | 1,235,828 | 987,044 | 248,784 |
| NORTH CAROLINA | | | | | | | | | |
| Roundwood | 1 | 591,762 | 487,545 | 104,217 | Wood residues | | 406,997 | 385,769 | 21,228 |
| | 2 | 455,278 | 373,265 | 82,013 | All pulpwood | | 1,642,825 | 1,372,813 | 270,012 |
| | 3 | 512,863 | 426,043 | 86,820 | LOUISIANA | | | | |
| | 4 | 320,022 | 143,552 | 176,470 | Roundwood | 1 | 118,188 | 46,639 | 71,549 |
| Total | | 1,879,925 | 1,430,405 | 449,520 | | 2 | 19,049 | 6,649 | 12,400 |
| Wood residues | | 411,966 | 342,013 | 69,953 | | 3 | 341,868 | 296,437 | 45,431 |
| All pulpwood | | 2,291,891 | 1,772,418 | 519,473 | | 4 | 229,431 | 183,410 | 46,021 |
| | | | | | | 5 | 921,741 | 773,087 | 148,654 |
| SOUTH CAROLINA | | | | | | | | | |
| Roundwood | 1 | 460,963 | 358,674 | 102,289 | Total | | 1,630,277 | 1,306,222 | 324,055 |
| | 2 | 689,317 | 448,532 | 240,785 | Wood residues | | 207,199 | 182,577 | 24,622 |
| | 3 | 814,463 | 728,553 | 85,910 | All pulpwood | | 1,837,476 | 1,488,799 | 348,677 |
| Total | | 1,964,743 | 1,535,759 | 428,984 | MISSISSIPPI | | | | |
| Wood residues | | 325,967 | 260,876 | 65,091 | Roundwood | 1 | 70,235 | 4,895 | 65,340 |
| All pulpwood | | 2,290,710 | 1,796,635 | 494,075 | | 2 | 174,687 | 116,330 | 58,357 |
| | | | | | | 3 | 541,499 | 295,561 | 245,938 |
| VIRGINIA | | | | | | | | | |
| Roundwood | 1 | 598,602 | 487,926 | 110,676 | | 4 | 567,138 | 334,525 | 232,613 |
| | 2 | 508,873 | 422,615 | 86,258 | | 5 | 365,337 | 138,030 | 227,307 |
| | 3 | 258,434 | 194,302 | 64,132 | Total | | 1,718,896 | 889,341 | 829,555 |
| | 4 | 244,403 | 70,619 | 173,784 | Wood residues | | 199,876 | 155,906 | 43,970 |
| | 5 | 51,897 | 14,559 | 37,338 | All pulpwood | | 1,918,772 | 1,045,247 | 873,525 |
| Total | | 1,662,209 | 1,190,021 | 472,188 | OKLAHOMA² | | | | |
| Wood residues | | 171,491 | 153,664 | 17,827 | Roundwood | | 22,492 | 13,317 | 9,175 |
| All pulpwood | | 1,833,700 | 1,343,685 | 490,015 | Wood residues | | 17,929 | 17,929 | ... |
| | | | | | All pulpwood | | 40,421 | 31,246 | 9,175 |
| TEXAS | | | | | | | | | |
| Roundwood | 1 | 723,803 | 547,307 | 176,496 | Roundwood | 1 | 26,879 | 13,796 | 13,083 |
| | 2 | 384,190 | 343,815 | 40,375 | | 2 | 10,479 | 7,953 | 2,526 |
| | 3 | 22,501 | 15,810 | 6,691 | | 3 | 262 | 262 | ... |
| Total | | 1,130,494 | 906,932 | 223,562 | | 4 | 82,691 | 40,427 | 42,264 |
| Wood residues | | 311,067 | 288,813 | 22,254 | | 5 | 283,479 | 152,333 | 131,146 |
| All pulpwood | | 1,441,561 | 1,195,745 | 245,816 | Total | | 403,790 | 214,771 | 189,019 |
| | | | | | Wood residues | | 14,675 | 4,093 | 10,582 |
| | | | | | All pulpwood | | 418,465 | 218,864 | 199,601 |

¹ For location of survey units, see figures 6 and 7.

² All units.

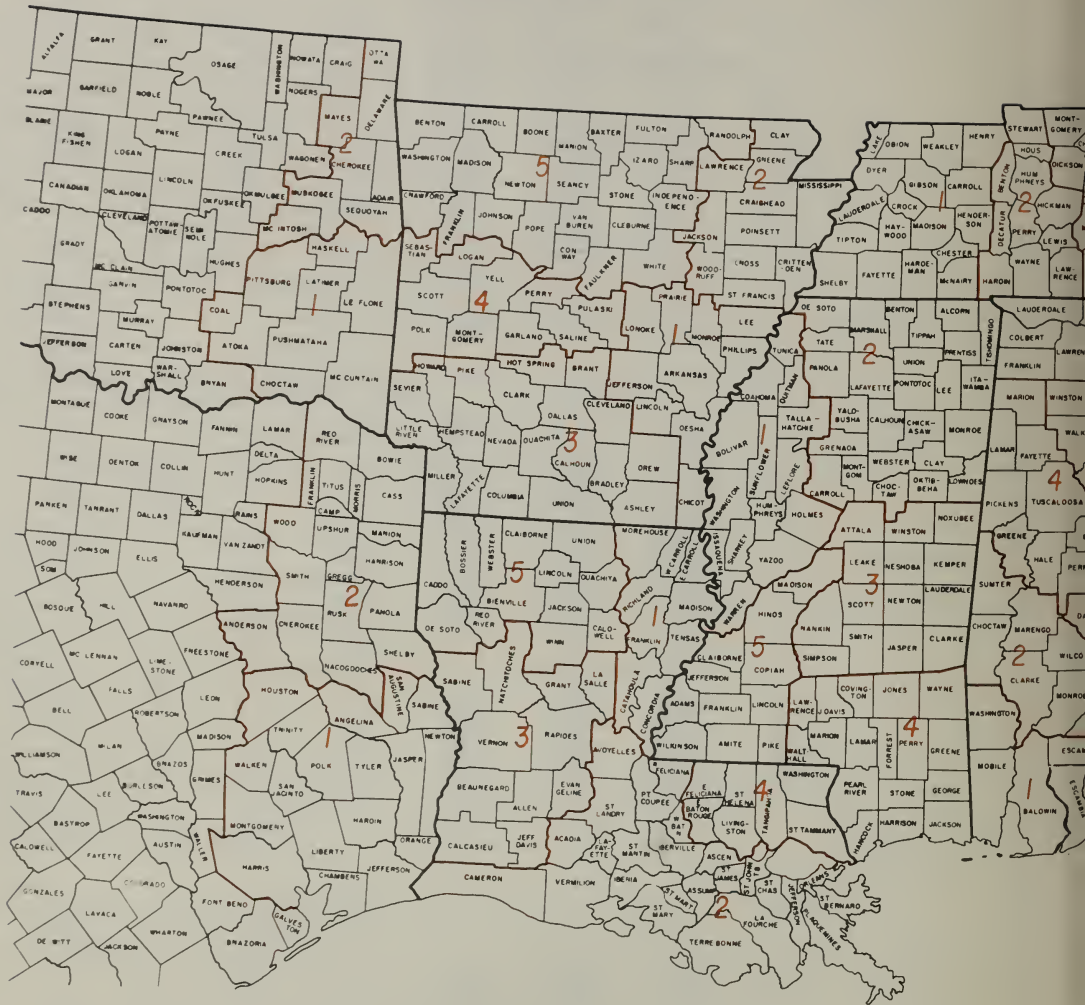
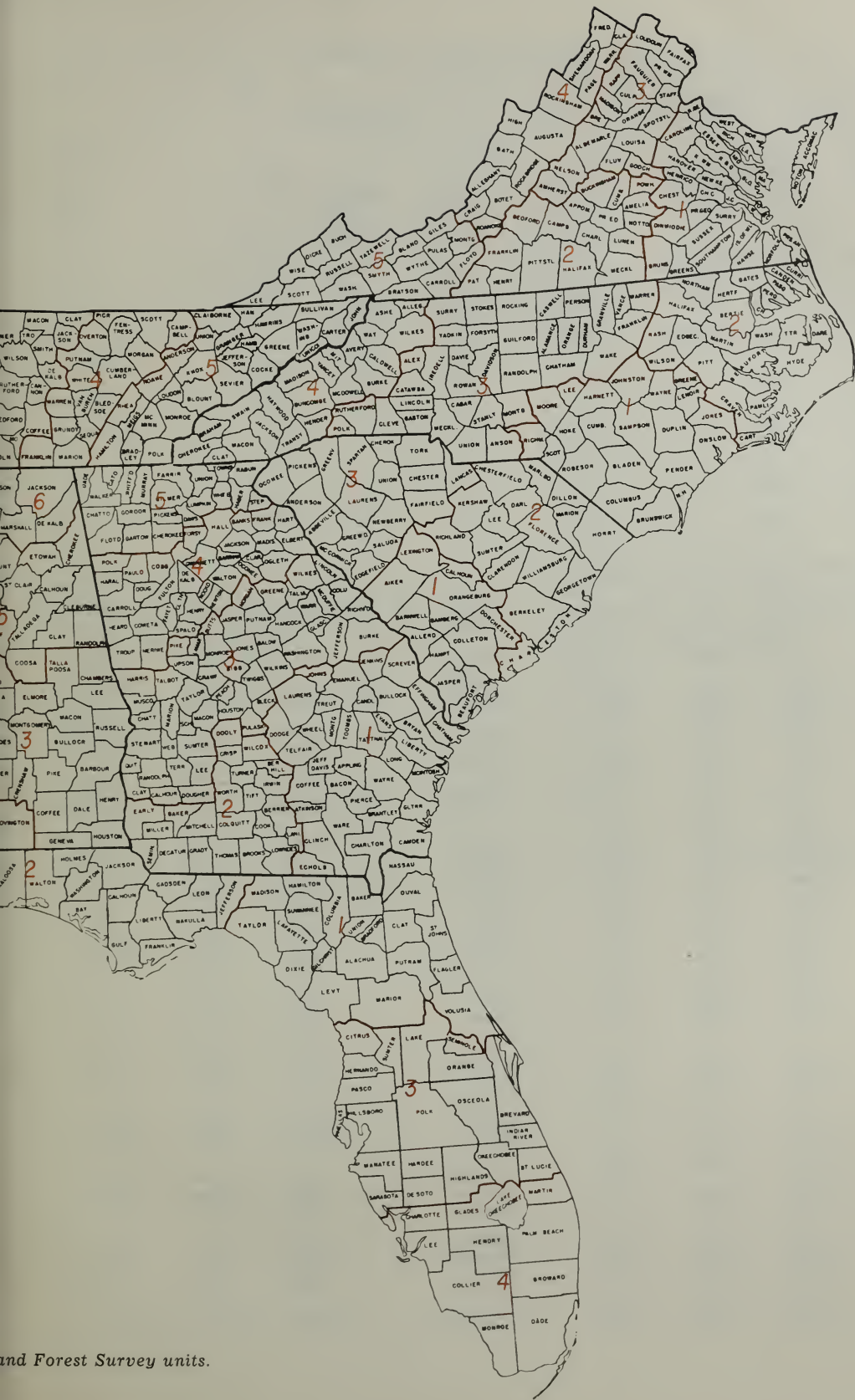


Figure 7. Southern coun



and Forest Survey units.

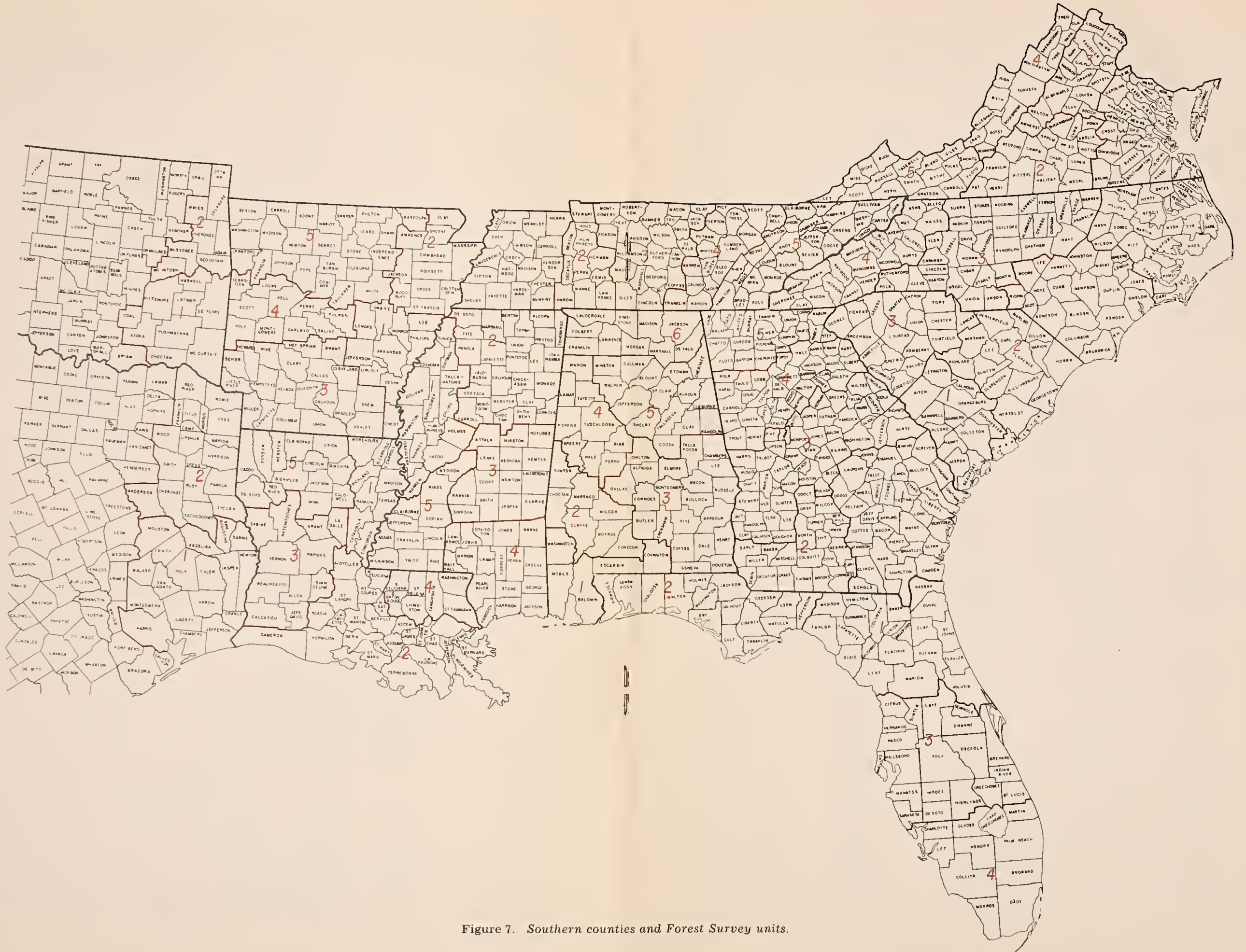


Figure 7. Southern counties and Forest Survey units.

Table 5. Southern pulpwood production by Experiment Station territory, 1961

| Station and source of wood | All species | Pine | Hardwood |
|----------------------------|-------------|------------|-----------|
| --- Standard cords --- | | | |
| Southeastern | | | |
| Roundwood | 11,971,636 | 10,034,432 | 1,937,204 |
| Residues | 1,659,180 | 1,401,190 | 257,990 |
| Total | 13,630,816 | 11,435,622 | 2,195,194 |
| Southern | | | |
| Roundwood | 8,947,376 | 6,486,475 | 2,460,901 |
| Residues | 1,652,536 | 1,431,046 | 221,490 |
| Total | 10,599,912 | 7,917,521 | 2,682,391 |
| All pulpwood | 24,230,728 | 19,353,143 | 4,877,585 |

Table 6. Round pulpwood production in Alabama, 1961

| County | All species | Pine | Hardwood | County | All species | Pine | Hardwood |
|------------------------|-------------|---------|----------|------------------------|-------------|-----------|----------|
| --- Standard cords --- | | | | --- Standard cords --- | | | |
| Autauga | 11,371 | 10,985 | 386 | Houston | 20,474 | 16,268 | 4,206 |
| Baldwin | 171,485 | 123,522 | 47,963 | Jackson | 5,342 | 5,342 | ... |
| Barbour | 42,864 | 35,536 | 7,328 | Jefferson | 34,185 | 33,689 | 496 |
| Bibb | 40,005 | 36,320 | 3,685 | Lamar | 19,440 | 18,565 | 875 |
| Blount | 5,034 | 5,024 | 10 | Lauderdale | 472 | 347 | 125 |
| Bullock | 29,366 | 24,137 | 5,229 | Lawrence | 2,051 | 2,051 | ... |
| Butler | 60,539 | 43,573 | 16,966 | Lee | 52,695 | 45,213 | 7,482 |
| Calhoun | 45,875 | 41,212 | 4,663 | Limestone | 3,487 | 3,487 | ... |
| Chambers | 18,694 | 16,999 | 1,695 | Lowndes | 47,895 | 35,673 | 12,222 |
| Cherokee | 24,267 | 16,196 | 8,071 | Macon | 15,701 | 15,225 | 476 |
| Chilton | 19,886 | 14,651 | 5,235 | Madison | 904 | 820 | 84 |
| Choctaw | 152,785 | 78,056 | 74,729 | Marengo | 86,770 | 60,267 | 26,503 |
| Clarke | 119,509 | 71,718 | 47,791 | Marion | 8,194 | 8,194 | ... |
| Clay | 39,606 | 34,084 | 5,522 | Marshall | 8,125 | 7,986 | 139 |
| Cleburne | 37,471 | 31,853 | 5,618 | Mobile | 127,138 | 95,860 | 31,278 |
| Coffee | 29,858 | 24,610 | 5,248 | Monroe | 113,585 | 84,122 | 29,463 |
| Colbert | 3,605 | 3,191 | 414 | Montgomery | 42,503 | 28,653 | 13,850 |
| Conecuh | 88,890 | 71,617 | 17,273 | Morgan | 2,253 | 1,846 | 407 |
| Coosa | 50,284 | 45,104 | 5,180 | Perry | 27,425 | 19,468 | 7,957 |
| Covington | 48,865 | 44,260 | 4,605 | Pickens | 47,025 | 36,074 | 10,951 |
| Crenshaw | 31,672 | 22,428 | 9,244 | Pike | 48,692 | 31,798 | 16,894 |
| Cullman | 5,084 | 5,029 | 55 | Randolph | 28,553 | 27,567 | 986 |
| Dale | 45,991 | 36,463 | 9,528 | Russell | 36,791 | 33,964 | 2,827 |
| Dallas | 21,994 | 16,996 | 4,998 | St. Clair | 33,433 | 30,676 | 2,757 |
| De Kalb | 12,270 | 11,022 | 1,248 | Shelby | 48,144 | 44,856 | 3,288 |
| Elmore | 28,486 | 28,292 | 194 | Sumter | 72,698 | 39,304 | 33,394 |
| Escambia | 63,346 | 51,724 | 11,622 | Talladega | 38,482 | 35,986 | 2,496 |
| Etowah | 32,366 | 29,092 | 3,274 | Tallapoosa | 74,700 | 63,933 | 10,767 |
| Fayette | 25,612 | 24,956 | 656 | Tuscaloosa | 64,710 | 61,295 | 3,415 |
| Franklin | 11,209 | 10,065 | 1,144 | Walker | 37,850 | 36,669 | 1,181 |
| Geneva | 24,569 | 22,924 | 1,645 | Washington | 105,334 | 75,132 | 30,202 |
| Greene | 24,287 | 16,413 | 7,874 | Wilcox | 116,732 | 66,128 | 50,604 |
| Hale | 24,227 | 17,286 | 6,941 | Winston | 5,903 | 5,835 | 68 |
| Henry | 36,541 | 31,217 | 5,324 | All counties | 2,805,599 | 2,168,848 | 636,751 |

Table 7. Round pulpwood production in Arkansas, 1961

| County | All species | Pine | Hardwood | County | All species | Pine | Hardwood |
|------------------------|-------------|--------|----------|------------------------|-------------|---------|----------|
| --- Standard cords --- | | | | --- Standard cords --- | | | |
| Arkansas | ... | ... | ... | Lincoln | 12,458 | 7,297 | 5,161 |
| Ashley | 114,706 | 87,143 | 27,563 | Little River | 10,635 | 9,999 | 636 |
| Baxter | 133 | 133 | ... | Logan | 3,924 | 3,870 | 54 |
| Benton | ... | ... | ... | Lonoke | ... | ... | ... |
| Boone | ... | ... | ... | Madison | ... | ... | ... |
| Bradley | 48,637 | 41,698 | 6,939 | Marion | ... | ... | ... |
| Calhoun | 47,045 | 44,736 | 2,309 | Miller | 35,084 | 22,206 | 12,878 |
| Carroll | ... | ... | ... | Mississippi | 3,507 | ... | 3,507 |
| Chicot | 4,379 | 15 | 4,364 | Monroe | ... | ... | ... |
| Clark | 64,478 | 52,164 | 12,314 | Montgomery | 23,357 | 21,744 | 1,613 |
| Clay | ... | ... | ... | Nevada | 29,963 | 27,499 | 2,464 |
| Cleburne | 1,289 | 1,289 | ... | Newton | ... | ... | ... |
| Cleveland | 34,249 | 27,908 | 6,341 | Ouachita | 60,936 | 51,508 | 9,428 |
| Columbia | 86,746 | 76,559 | 10,187 | Perry | 15,174 | 15,174 | ... |
| Conway | 2,669 | 2,499 | 170 | Phillips | 5,667 | ... | 5,667 |
| Craighead | 588 | 588 | ... | Pike | 26,202 | 22,088 | 4,114 |
| Crawford | ... | ... | ... | Poinsett | ... | ... | ... |
| Crittenden | 4,220 | ... | 4,220 | Polk | 539 | 539 | ... |
| Cross | ... | ... | ... | Pope | 14,097 | 13,204 | 893 |
| Dallas | 58,857 | 48,807 | 10,050 | Prairie | ... | ... | ... |
| Desha | 14,623 | ... | 14,623 | Pulaski | 2,596 | 2,275 | 321 |
| Drew | 68,038 | 31,412 | 36,626 | Randolph | ... | ... | ... |
| Faulkner | 32 | 29 | 3 | St. Francis | ... | ... | ... |
| Franklin | 241 | 241 | ... | Saline | 34,479 | 25,942 | 8,537 |
| Fulton | ... | ... | ... | Scott | 1,283 | 1,283 | ... |
| Garland | 20,743 | 19,259 | 1,484 | Searcy | ... | ... | ... |
| Grant | 99,939 | 84,348 | 15,591 | Sebastian | ... | ... | ... |
| Greene | 40 | 40 | ... | Sevier | 12,755 | 11,690 | 1,065 |
| Hempstead | 35,617 | 29,652 | 5,965 | Sharp | ... | ... | ... |
| Hot Spring | 36,455 | 28,717 | 7,738 | Stone | 46 | 46 | ... |
| Howard | 15,810 | 13,839 | 1,971 | Union | 98,191 | 93,563 | 4,628 |
| Independence | 509 | 509 | ... | Van Buren | 89 | 89 | ... |
| Izard | ... | ... | ... | Washington | ... | ... | ... |
| Jackson | ... | ... | ... | White | 2,466 | 1,702 | 764 |
| Jefferson | 28,848 | 20,694 | 8,154 | Woodruff | ... | ... | ... |
| Johnson | 7,158 | 7,147 | 11 | Yell | 12,838 | 11,899 | 939 |
| Lafayette | 32,478 | 24,001 | 8,477 | All counties | 1,235,828 | 987,044 | 248,784 |
| Lawrence | ... | ... | ... | | | | |
| Lee | 1,015 | ... | 1,015 | | | | |

Table 8. Round pulpwood production in Florida, 1961

| County | All species | Pine | Hardwood | County | All species | Pine | Hardwood |
|------------------------|-------------|--------|----------|------------------------|-------------|-----------|----------|
| --- Standard cords --- | | | | --- Standard cords --- | | | |
| Alachua | 37,817 | 37,440 | 377 | Lake | 9,370 | 9,370 | ... |
| Baker | 74,954 | 74,870 | 84 | Lee | 5,129 | 5,129 | ... |
| Bay | 36,588 | 35,207 | 1,381 | Leon | 29,211 | 28,975 | 236 |
| Bradford | 57,618 | 57,618 | ... | Levy | 32,636 | 30,500 | 2,136 |
| Brevard | 9,464 | 9,464 | ... | Liberty | 26,828 | 24,457 | 2,371 |
| Broward | 13 | 13 | ... | Madison | 41,896 | 41,863 | 33 |
| Calhoun | 33,933 | 29,609 | 4,324 | Manatee | 1,402 | 1,402 | ... |
| Charlotte | 10,437 | 10,437 | ... | Marion | 75,799 | 69,867 | 5,932 |
| Citrus | 3,178 | 3,178 | ... | Martin | 279 | 279 | ... |
| Clay | 65,922 | 64,363 | 1,559 | Monroe | ... | ... | ... |
| Collier | 4,663 | 4,663 | ... | Nassau | 106,581 | 96,799 | 9,782 |
| Columbia | 78,363 | 72,032 | 6,331 | Okaloosa | 11,688 | 11,262 | 426 |
| Dade | 5,656 | 5,656 | ... | Okeechobee | 1,662 | 1,662 | ... |
| De Soto | 4,745 | 4,745 | ... | Orange | 1,759 | 1,759 | ... |
| Dixie | 47,563 | 47,215 | 348 | Osceola | 25,660 | 25,623 | 37 |
| Duval | 83,793 | 82,380 | 1,413 | Palm Beach | 60 | 60 | ... |
| Escambia | 81,607 | 79,592 | 2,015 | Pasco | 4,859 | 4,859 | ... |
| Flagler | 64,916 | 58,487 | 6,429 | Pinellas | 167 | 167 | ... |
| Franklin | 16,909 | 16,909 | ... | Polk | 33,099 | 33,099 | ... |
| Gadsden | 29,319 | 26,369 | 2,950 | Putnam | 66,714 | 55,610 | 11,104 |
| Gilchrist | 8,471 | 7,084 | 1,387 | St. Johns | 98,180 | 97,144 | 1,036 |
| Glades | 262 | 262 | ... | St. Lucie | ... | ... | ... |
| Gulf | 18,848 | 18,564 | 284 | Santa Rosa | 86,520 | 85,194 | 1,326 |
| Hamilton | 97,482 | 90,352 | 7,130 | Sarasota | 2,120 | 2,120 | ... |
| Hardee | 13,320 | 13,320 | ... | Seminole | 6,509 | 6,489 | 20 |
| Hendry | 155 | 155 | ... | Sumter | 3,395 | 3,395 | ... |
| Hernando | 10,578 | 10,234 | 344 | Suwannee | 25,766 | 18,878 | 6,888 |
| Highlands | 3,250 | 3,250 | ... | Taylor | 95,756 | 95,057 | 699 |
| Hillsborough | 14,966 | 14,966 | ... | Union | 30,300 | 30,300 | ... |
| Holmes | 31,654 | 27,220 | 4,434 | Volusia | 67,643 | 67,643 | ... |
| Indian River | ... | ... | ... | Wakulla | 27,331 | 27,331 | ... |
| Jackson | 44,739 | 35,834 | 8,905 | Walton | 37,305 | 33,300 | 4,005 |
| Jefferson | 23,794 | 21,361 | 2,433 | Washington | 39,943 | 33,742 | 6,201 |
| Lafayette | 48,205 | 48,205 | ... | All counties | 2,058,749 | 1,954,389 | 104,360 |

Table 9. Round pulpwood production in Georgia, 1961

| County | All species | Pine | Hardwood | County | All species | Pine | Hardwood |
|------------------------|-------------|---------|----------|------------------------|-------------|--------|----------|
| --- Standard cords --- | | | | --- Standard cords --- | | | |
| Appling | 80,634 | 76,565 | 4,069 | Hall | 18,710 | 18,642 | 68 |
| Atkinson | 57,546 | 54,343 | 3,203 | Hancock | 29,541 | 27,646 | 1,895 |
| Bacon | 41,486 | 39,691 | 1,795 | Haralson | 19,518 | 17,516 | 2,002 |
| Baker | 7,168 | 6,858 | 310 | Harris | 44,399 | 39,673 | 4,726 |
| Baldwin | 48,208 | 45,980 | 2,228 | Hart | 3,859 | 3,785 | 74 |
| Banks | 3,364 | 3,353 | 11 | Heard | 10,856 | 9,747 | 1,109 |
| Barrow | 810 | 789 | 21 | Henry | 27,519 | 27,272 | 247 |
| Bartow | 13,131 | 11,122 | 2,009 | Houston | 17,505 | 15,969 | 1,536 |
| Ben Hill | 16,861 | 15,634 | 1,227 | Irwin | 10,366 | 9,219 | 1,147 |
| Berrien | 54,956 | 49,944 | 5,012 | Jackson | 17,065 | 16,797 | 268 |
| Bibb | 8,022 | 6,796 | 1,226 | Jasper | 42,752 | 39,673 | 3,079 |
| Bleckley | 9,033 | 7,200 | 1,833 | Jeff Davis | 44,364 | 41,106 | 3,258 |
| Brantley | 89,414 | 78,222 | 11,192 | Jefferson | 30,909 | 26,606 | 4,303 |
| Brooks | 24,643 | 23,236 | 1,407 | Jenkins | 13,654 | 10,458 | 3,196 |
| Bryan | 65,211 | 51,908 | 13,303 | Johnson | 11,771 | 10,452 | 1,319 |
| Bulloch | 41,296 | 28,309 | 12,987 | Jones | 72,584 | 63,339 | 9,245 |
| Burke | 28,695 | 22,471 | 6,224 | Lamar | 22,986 | 22,080 | 906 |
| Butts | 23,321 | 22,299 | 1,022 | Lanier | 25,217 | 24,900 | 317 |
| Calhoun | 18,344 | 16,528 | 1,816 | Laurens | 22,820 | 17,217 | 5,603 |
| Camden | 146,234 | 116,613 | 29,621 | Lee | 4,594 | 4,594 | ... |
| Candler | 17,815 | 14,793 | 3,022 | Liberty | 81,115 | 43,781 | 37,334 |
| Carroll | 26,552 | 23,424 | 3,128 | Lincoln | 16,488 | 14,496 | 1,992 |
| Catoosa | 4,066 | 3,891 | 175 | Long | 58,287 | 41,597 | 16,690 |
| Charlton | 78,975 | 71,311 | 7,664 | Lowndes | 13,119 | 12,867 | 252 |
| Chatham | 21,998 | 11,619 | 10,379 | Lumpkin | 7,354 | 7,354 | ... |
| Cattahoochee | 17,565 | 17,113 | 452 | McDuffie | 36,596 | 32,922 | 3,674 |
| Chattooga | 6,770 | 6,217 | 553 | Mc Intosh | 35,213 | 25,945 | 9,268 |
| Cherokee | 20,202 | 19,576 | 626 | Macon | 22,927 | 22,566 | 361 |
| Clarke | 1,480 | 1,480 | ... | Madison | 5,476 | 5,444 | 32 |
| Clay | 6,792 | 6,246 | 546 | Marion | 14,831 | 14,810 | 21 |
| Clayton | 1,417 | 1,411 | 6 | Meriwether | 49,401 | 42,652 | 6,749 |
| Clinch | 129,621 | 129,600 | 21 | Miller | 9,279 | 9,279 | ... |
| Cobb | 15,051 | 13,933 | 1,118 | Mitchell | 19,436 | 16,875 | 2,561 |
| Coffee | 63,602 | 56,339 | 7,263 | Monroe | 53,640 | 49,119 | 4,521 |
| Colquitt | 28,932 | 27,329 | 1,603 | Montgomery | 24,627 | 18,257 | 6,370 |
| Columbia | 18,964 | 15,787 | 3,177 | Morgan | 29,792 | 27,508 | 2,284 |
| Cook | 16,617 | 16,567 | 50 | Murray | 7,046 | 6,455 | 591 |
| Coweta | 18,202 | 15,715 | 2,487 | Muscogee | 9,607 | 9,462 | 145 |
| Crawford | 30,803 | 27,571 | 3,232 | Newton | 25,127 | 24,646 | 481 |
| Crisp | 12,050 | 11,173 | 877 | Oconee | 17,762 | 16,584 | 1,178 |
| Dade | 343 | 308 | 35 | Oglethorpe | 21,909 | 21,382 | 527 |
| Dawson | 4,725 | 4,667 | 58 | Paulding | 33,167 | 25,968 | 7,199 |
| Decatur | 26,944 | 25,770 | 1,174 | Peach | 10,230 | 9,877 | 353 |
| De Kalb | 4,625 | 4,582 | 43 | Pickens | 7,391 | 6,744 | 647 |
| Dodge | 47,815 | 42,120 | 5,695 | Pierce | 57,522 | 56,283 | 1,239 |
| Dooly | 10,579 | 10,146 | 433 | Pike | 10,104 | 9,945 | 159 |
| Dougherty | 46,729 | 46,620 | 109 | Polk | 17,880 | 15,316 | 2,564 |
| Douglas | 21,144 | 17,945 | 3,199 | Pulaski | 5,828 | 4,990 | 838 |
| Early | 25,136 | 22,749 | 2,387 | Putnam | 32,708 | 31,338 | 1,370 |
| Echols | 80,831 | 80,831 | ... | Quitman | 9,317 | 8,681 | 636 |
| Effingham | 57,729 | 43,810 | 13,919 | Rabun | 9,656 | 1,715 | 7,941 |
| Elbert | 26,173 | 21,880 | 4,293 | Randolph | 24,255 | 22,137 | 2,118 |
| Emanuel | 39,430 | 34,865 | 4,565 | Richmond | 17,774 | 15,933 | 1,841 |
| Evans | 20,127 | 15,793 | 4,334 | Rockdale | 1,886 | 1,886 | ... |
| Fannin | 5,391 | 4,737 | 654 | Schley | 13,057 | 12,971 | 86 |
| Fayette | 22,942 | 22,500 | 442 | Screven | 25,723 | 16,765 | 8,958 |
| Floyd | 33,290 | 24,373 | 8,917 | Seminole | 8,373 | 7,569 | 804 |
| Forsyth | 4,643 | 4,598 | 45 | Spalding | 10,480 | 9,921 | 559 |
| Franklin | 8,032 | 7,792 | 240 | Stephens | 7,527 | 7,208 | 319 |
| Fulton | 16,701 | 15,999 | 702 | Stewart | 72,777 | 71,609 | 1,168 |
| Gilmer | 10,961 | 10,764 | 197 | Sumter | 15,470 | 15,414 | 56 |
| Glascocock | 4,752 | 4,340 | 412 | Talbot | 48,826 | 43,723 | 5,103 |
| Glynn | 54,897 | 43,291 | 11,606 | Taliaferro | 15,351 | 12,955 | 2,396 |
| Gordon | 19,296 | 17,989 | 1,307 | Tattnall | 25,286 | 18,895 | 6,391 |
| Grady | 22,538 | 19,700 | 2,838 | Taylor | 26,300 | 25,441 | 859 |
| Greene | 48,551 | 43,633 | 4,918 | | | | |
| Gwinnett | 22,841 | 21,882 | 959 | | | | |
| Habersham | 11,474 | 11,424 | 50 | | | | |

Table 9. Round pulpwood production in Georgia, 1961 (Continued)

| County | All species | Pine | Hardwood | County | All species | Pine | Hardwood |
|------------------------|-------------|--------|----------|------------------------|-------------|-----------|----------|
| --- Standard cords --- | | | | --- Standard cords --- | | | |
| Telfair | 61,232 | 49,058 | 12,174 | Walton | 4,632 | 4,632 | ... |
| Terrell | 4,212 | 4,138 | 74 | Ware | 129,241 | 126,418 | 2,823 |
| Thomas | 18,523 | 17,123 | 1,400 | Warren | 23,266 | 21,556 | 1,710 |
| Tift | 17,004 | 16,533 | 471 | Washington | 31,972 | 29,985 | 1,987 |
| Toombs | 27,626 | 20,637 | 6,989 | Wayne | 116,503 | 104,137 | 12,366 |
| Towns | 421 | 421 | ... | Webster | 6,594 | 6,591 | 3 |
| Treutlen | 15,901 | 11,249 | 4,652 | Wheeler | 42,566 | 34,304 | 8,262 |
| Troup | 73,189 | 71,507 | 1,682 | White | 3,256 | 3,252 | 4 |
| Turner | 14,893 | 14,215 | 678 | Whitfield | 13,192 | 12,249 | 943 |
| Twiggs | 33,130 | 31,402 | 1,728 | Wilcox | 26,437 | 24,883 | 1,554 |
| Union | 1,441 | 1,300 | 141 | Wilkes | 37,570 | 36,220 | 1,350 |
| Upson | 49,586 | 46,363 | 3,223 | Wilkinson | 53,130 | 49,587 | 3,543 |
| Walker | 10,619 | 9,810 | 809 | Worth | 18,475 | 18,248 | 227 |
| | | | | All counties | 4,406,010 | 3,923,858 | 482,152 |

Table 10. Round pulpwood production in Louisiana, 1961

| Parish | All species | Pine | Hardwood | Parish | All species | Pine | Hardwood |
|------------------------|-------------|--------|----------|------------------------|-------------|-----------|----------|
| --- Standard cords --- | | | | --- Standard cords --- | | | |
| Acadia | 3,828 | 3,729 | 99 | Madison | 3,044 | ... | 3,044 |
| Allen | 31,814 | 28,505 | 3,309 | Morehouse | 65,359 | 36,515 | 28,844 |
| Ascension | ... | ... | ... | Natchitoches | 53,011 | 42,305 | 10,706 |
| Assumption | ... | ... | ... | Orleans | ... | ... | ... |
| Avoyelles | 1,972 | 1,892 | 80 | Ouachita | 32,264 | 24,062 | 8,202 |
| Beauregard | 23,046 | 20,508 | 2,538 | Plaquemines | ... | ... | ... |
| Bienville | 109,624 | 93,212 | 16,412 | Pointe Coupee | 1,707 | ... | 1,707 |
| Bossier | 64,478 | 50,570 | 13,908 | Rapides | 61,718 | 47,483 | 14,235 |
| Caddo | 23,603 | 13,385 | 10,218 | Red River | 22,008 | 17,783 | 4,225 |
| Calcasieu | 12,824 | 11,346 | 1,478 | Richland | 716 | 26 | 690 |
| Caldwell | 30,736 | 28,300 | 2,436 | Sabine | 59,080 | 58,652 | 428 |
| Cameron | ... | ... | ... | St. Bernard | ... | ... | ... |
| Catahoula | 15,594 | 8,890 | 6,704 | St. Charles | ... | ... | ... |
| Claiborne | 88,074 | 83,085 | 4,989 | St. Helena | 17,515 | 10,542 | 6,973 |
| Concordia | 12,186 | ... | 12,186 | St. James | ... | ... | ... |
| De Soto | 55,098 | 45,325 | 9,773 | St. John the Baptist | ... | ... | ... |
| East Baton Rouge | 3,323 | 585 | 2,738 | St. Landry | 389 | 78 | 311 |
| East Carroll | 3,169 | 101 | 3,068 | St. Martin | 1,124 | ... | 1,124 |
| East Feliciana | 17,613 | 9,508 | 8,105 | St. Mary | ... | ... | ... |
| Evangeline | 6,444 | 6,243 | 201 | St. Tammany | 20,721 | 18,997 | 1,724 |
| Franklin | 1,374 | 1,107 | 267 | Tangipahoa | 36,776 | 28,287 | 8,489 |
| Grant | 28,624 | 24,550 | 4,074 | Tensas | 15,897 | ... | 15,897 |
| Iberia | ... | ... | ... | Terrebonne | ... | ... | ... |
| Iberville | 8 | ... | 8 | Union | 167,383 | 136,897 | 30,486 |
| Jackson | 90,724 | 75,786 | 14,938 | Vermilion | ... | ... | ... |
| Jefferson | ... | ... | ... | Vernon | 21,072 | 19,951 | 1,121 |
| Jefferson Davis | 1,679 | 1,407 | 272 | Washington | 67,146 | 57,838 | 9,308 |
| Lafayette | ... | ... | ... | Webster | 53,798 | 40,853 | 12,945 |
| Lafourche | ... | ... | ... | West Baton Rouge | 1,671 | ... | 1,671 |
| La Salle | 42,556 | 35,487 | 7,069 | West Carroll | 849 | ... | 849 |
| Lincoln | 59,893 | 53,152 | 6,741 | West Feliciana | 8,350 | 950 | 7,400 |
| Livingston | 66,337 | 57,653 | 8,684 | Winn | 124,058 | 110,677 | 13,381 |
| | | | | All parishes | 1,630,277 | 1,306,222 | 324,055 |

Table 11. Round pulpwood production in Mississippi, 1961

| County | All species | Pine | Hardwood | County | All species | Pine | Hardwood |
|------------------------|-------------|--------|----------|------------------------|-------------|---------|----------|
| --- Standard cords --- | | | | --- Standard cords --- | | | |
| Adams | 29,913 | 4,155 | 25,758 | Lincoln | 42,258 | 23,322 | 18,936 |
| Alcorn | 6,627 | 5,591 | 1,036 | Lowndes | 4,074 | 3,953 | 121 |
| Amite | 35,978 | 15,626 | 20,352 | Madison | 11,579 | 5,640 | 5,939 |
| Attala | 25,336 | 10,777 | 14,559 | Marion | 30,019 | 8,353 | 21,666 |
| Benton | 2,012 | 1,352 | 660 | Marshall | 9,121 | 5,912 | 3,209 |
| Bolivar | 6,097 | ... | 6,097 | Monroe | 9,227 | 9,227 | ... |
| Calhoun | 1,292 | 102 | 1,190 | Montgomery | 5,080 | 1,235 | 3,845 |
| Carroll | 9,923 | 1,151 | 8,772 | Neshoba | 28,634 | 13,298 | 15,336 |
| Chickasaw | 7,451 | 7,247 | 204 | Newton | 33,293 | 20,266 | 13,027 |
| Choctaw | 14,276 | 4,396 | 9,880 | Noxubee | 13,748 | 13,493 | 255 |
| Claiborne | 39,769 | 6,689 | 33,080 | Oktoberbeha | 5,848 | 2,992 | 2,856 |
| Clarke | 94,922 | 52,980 | 41,942 | Panola | 2,410 | ... | 2,410 |
| Clay | 2,407 | 2,131 | 276 | Pearl River | 30,403 | 15,625 | 14,778 |
| Coahoma | 192 | ... | 192 | Perry | 22,770 | 15,537 | 7,233 |
| Copiah | 39,607 | 15,412 | 24,195 | Pike | 19,747 | 7,614 | 12,133 |
| Covington | 33,403 | 12,357 | 21,046 | Pontotoc | 4,130 | 4,130 | ... |
| De Soto | ... | ... | ... | Prentiss | 8,728 | 6,744 | 1,984 |
| Forrest | 20,893 | 13,055 | 7,838 | Quitman | 2 | 2 | ... |
| Franklin | 52,119 | 32,446 | 19,673 | Rankin | 40,342 | 18,193 | 22,149 |
| George | 36,920 | 22,941 | 13,979 | Scott | 32,782 | 21,566 | 11,216 |
| Greene | 63,042 | 39,196 | 23,846 | Sharkey | 3,821 | ... | 3,821 |
| Grenada | 6,566 | 2,228 | 4,338 | Simpson | 32,792 | 16,008 | 16,784 |
| Hancock | 48,856 | 40,860 | 7,996 | Smith | 24,002 | 10,770 | 13,232 |
| Harrison | 25,928 | 23,246 | 2,682 | Stone | 27,028 | 18,748 | 8,280 |
| Hinds | 27,194 | 6,320 | 20,874 | Sunflower | 541 | ... | 541 |
| Holmes | 16,538 | 3,649 | 12,909 | Tallahatchie | 2,161 | 50 | 2,111 |
| Humphreys | 1,408 | ... | 1,408 | Tate | ... | ... | ... |
| Issaquena | 6,187 | ... | 6,187 | Tippah | 10,342 | 9,272 | 1,070 |
| Itawamba | 5,881 | 5,128 | 753 | Tishomingo | 13,661 | 11,429 | 2,232 |
| Jackson | 57,915 | 48,723 | 9,192 | Tunica | 283 | ... | 283 |
| Jasper | 60,912 | 30,690 | 30,222 | Union | 3,813 | 3,784 | 29 |
| Jefferson | 37,700 | 12,792 | 24,908 | Walthall | 14,139 | 3,531 | 10,608 |
| Jefferson Davis | 7,283 | 3,576 | 3,707 | Warren | 25,509 | 899 | 24,610 |
| Jones | 51,424 | 17,398 | 34,026 | Washington | 2,388 | ... | 2,388 |
| Kemper | 33,014 | 22,965 | 10,049 | Wayne | 49,375 | 29,686 | 19,689 |
| Lafayette | 10,744 | 9,217 | 1,527 | Webster | 20,632 | 12,297 | 8,335 |
| Lamar | 20,965 | 9,294 | 11,671 | Wilkinson | 29,473 | 8,014 | 21,459 |
| Lauderdale | 53,046 | 33,709 | 19,337 | Winston | 34,817 | 15,645 | 19,172 |
| Lawrence | 26,775 | 12,399 | 14,376 | Yalobusha | 8,511 | 4,881 | 3,630 |
| Leake | 33,859 | 15,201 | 18,658 | Yazoo | 4,495 | 293 | 4,202 |
| Lee | 1,931 | 1,931 | ... | All counties | 1,718,896 | 889,341 | 829,555 |
| Leflore | 593 | 2 | 591 | | | | |

Table 12. Round pulpwood production in North Carolina, 1961

| County | All species | Pine | Hardwood | County | All species | Pine | Hardwood |
|------------------------|-------------|--------|----------|------------------------|-------------|-----------|----------|
| --- Standard cords --- | | | | --- Standard cords --- | | | |
| Alamance | 3,762 | 3,249 | 513 | Lee | 13,361 | 9,075 | 4,286 |
| Alexander | 5,075 | 5,075 | ... | Lenoir | 11,659 | 11,637 | 22 |
| Alleghany | ... | ... | ... | Lincoln | 3,658 | 3,023 | 635 |
| Anson | 48,757 | 31,926 | 16,831 | Mc Dowell | 22,438 | 12,928 | 9,510 |
| Ashe | ... | ... | ... | Macon | 15,216 | 4,701 | 10,515 |
| Avery | 858 | 5 | 853 | Madison | 7,044 | 4,383 | 2,661 |
| Beaufort | 48,988 | 37,557 | 11,431 | Martin | 23,810 | 18,432 | 5,378 |
| Bertie | 25,115 | 22,172 | 2,943 | Mecklenburg | 17,826 | 14,830 | 2,996 |
| Bladen | 70,978 | 45,481 | 25,497 | Mitchell | 1,649 | 31 | 1,618 |
| Brunswick | 68,066 | 62,327 | 5,739 | Montgomery | 16,958 | 16,520 | 438 |
| Buncombe | 54,876 | 18,086 | 36,790 | Moore | 19,079 | 16,998 | 2,081 |
| Burke | 29,261 | 21,508 | 7,753 | Nash | 10,460 | 9,701 | 759 |
| Cabarrus | 10,634 | 9,246 | 1,388 | New Hanover | 6,879 | 6,661 | 218 |
| Caldwell | 17,804 | 15,796 | 2,008 | Northampton | 18,495 | 17,109 | 1,386 |
| Camden | 2,412 | 1,796 | 616 | Onslow | 65,669 | 59,731 | 5,938 |
| Carteret | 37,569 | 37,429 | 140 | Orange | 8,602 | 7,773 | 829 |
| Caswell | 1,820 | 1,818 | 2 | Pamlico | 13,460 | 12,153 | 1,307 |
| Catawba | 3,055 | 3,055 | ... | Pasquotank | 4,020 | 3,598 | 422 |
| Chatham | 42,363 | 30,176 | 12,187 | Pender | 51,830 | 39,510 | 12,320 |
| Cherokee | 41,912 | 31,182 | 10,730 | Perquimans | 3,300 | 3,000 | 300 |
| Chowan | 7,732 | 4,183 | 3,549 | Person | 7,849 | 7,849 | ... |
| Clay | ... | ... | ... | Pitt | 21,997 | 17,931 | 4,066 |
| Cleveland | 12,345 | 11,962 | 383 | Polk | 14,302 | 5,719 | 8,583 |
| Columbus | 62,606 | 47,686 | 14,920 | Randolph | 3,957 | 3,515 | 442 |
| Craven | 46,751 | 40,230 | 6,521 | Richmond | 23,120 | 15,701 | 7,419 |
| Cumberland | 19,657 | 17,214 | 2,443 | Robeson | 29,012 | 21,768 | 7,244 |
| Currituck | 3,833 | 3,384 | 449 | Rockingham | 10,625 | 10,625 | ... |
| Dare | 7 | 7 | ... | Rowan | 5,389 | 4,967 | 422 |
| Davidson | 2,291 | 2,291 | ... | Rutherford | 21,700 | 14,548 | 7,152 |
| Davie | 3,929 | 3,814 | 115 | Sampson | 34,031 | 27,748 | 6,283 |
| Duplin | 42,739 | 39,173 | 3,566 | Scotland | 2,440 | 1,249 | 1,191 |
| Durham | 14,773 | 14,745 | 28 | Stanly | 14,227 | 13,762 | 465 |
| Edgecombe | 8,892 | 8,401 | 491 | Stokes | 2,279 | 2,279 | ... |
| Forsyth | 6,780 | 6,725 | 55 | Surry | 8,527 | 8,527 | ... |
| Franklin | 46,724 | 39,612 | 7,112 | Swain | 7,612 | 4,020 | 3,592 |
| Gaston | 15,361 | 11,902 | 3,459 | Transylvania | 19,662 | 4,442 | 15,220 |
| Gates | 34,109 | 19,675 | 14,434 | Tyrrell | 34,036 | 27,430 | 6,606 |
| Graham | 4,138 | 1,098 | 3,040 | Union | 26,449 | 19,620 | 6,829 |
| Granville | 12,354 | 11,668 | 686 | Vance | 8,480 | 7,963 | 517 |
| Greene | 1,033 | 850 | 183 | Wake | 38,834 | 34,549 | 4,285 |
| Guilford | 20,731 | 19,886 | 845 | Warren | 23,238 | 21,862 | 1,376 |
| Halifax | 31,653 | 31,157 | 496 | Washington | 7,990 | 2,101 | 5,889 |
| Harnett | 12,570 | 10,675 | 1,895 | Watauga | 38 | ... | 38 |
| Haywood | 13,115 | 2,936 | 10,179 | Wayne | 10,607 | 10,095 | 512 |
| Henderson | 27,741 | 8,663 | 19,078 | Wilkes | 5,081 | 5,081 | ... |
| Hertford | 29,383 | 19,066 | 10,317 | Wilson | 18,789 | 15,276 | 3,513 |
| Hoke | 8,980 | 8,638 | 342 | Yadkin | 1,727 | 1,727 | ... |
| Hyde | 22,477 | 21,477 | 1,000 | Yancey | 1,108 | ... | 1,108 |
| Iredell | 27,482 | 19,235 | 8,247 | All counties | 1,879,925 | 1,430,405 | 449,520 |
| Jackson | 50,469 | 8,692 | 41,777 | | | | |
| Johnston | 7,746 | 6,349 | 1,397 | | | | |
| Jones | 29,700 | 28,979 | 721 | | | | |

Table 13. Round pulpwood production in Oklahoma, 1961

| County ¹ | All species | Pine | Hardwood |
|------------------------|-------------|--------|----------|
| --- Standard cords --- | | | |
| Cherokee | 3,308 | ... | 3,308 |
| Delaware | 2,599 | ... | 2,599 |
| Le Flore | 724 | 724 | ... |
| McCurtain | 11,658 | 11,644 | 14 |
| Mayes | 1,627 | ... | 1,627 |
| Pushmataha | 949 | 949 | ... |
| Rogers | 1,627 | ... | 1,627 |
| All counties | 22,492 | 13,317 | 9,175 |

¹ Counties with no pulpwood production are omitted.

Table 14. Round pulpwood production in South Carolina, 1961

| County | All species | Pine | Hardwood | County | All species | Pine | Hardwood |
|------------------------|-------------|---------|----------|------------------------|-------------|-----------|----------|
| --- Standard cords --- | | | | --- Standard cords --- | | | |
| Abbeville | 41,020 | 38,941 | 2,079 | Jasper | 51,201 | 35,380 | 15,821 |
| Aiken | 36,008 | 29,173 | 6,835 | Kershaw | 104,065 | 77,815 | 26,250 |
| Allendale | 33,107 | 25,735 | 7,372 | Lancaster | 58,784 | 46,480 | 12,304 |
| Anderson | 27,432 | 25,807 | 1,625 | Laurens | 50,891 | 46,553 | 4,338 |
| Bamberg | 31,743 | 24,317 | 7,426 | Lee | 17,778 | 6,961 | 10,817 |
| Barnwell | 19,175 | 14,712 | 4,463 | Lexington | 27,061 | 23,506 | 3,555 |
| Beaufort | 19,517 | 11,803 | 7,714 | Mc Cormick | 26,087 | 24,692 | 1,395 |
| Berkeley | 65,763 | 50,880 | 14,883 | Marion | 22,436 | 9,997 | 12,439 |
| Calhoun | 8,630 | 7,132 | 1,498 | Marlboro | 17,168 | 8,772 | 8,396 |
| Charleston | 64,291 | 43,198 | 21,093 | Newberry | 79,681 | 72,923 | 6,758 |
| Cherokee | 13,569 | 13,495 | 74 | Oconee | 25,835 | 22,015 | 3,820 |
| Chester | 73,619 | 62,328 | 11,291 | Orangeburg | 28,162 | 23,113 | 5,049 |
| Chesterfield | 47,481 | 19,911 | 27,570 | Pickens | 6,546 | 6,087 | 459 |
| Clarendon | 27,108 | 21,064 | 6,044 | Richland | 62,801 | 46,229 | 16,572 |
| Colleton | 88,866 | 71,853 | 17,013 | Saluda | 22,100 | 19,591 | 2,509 |
| Darlington | 21,514 | 12,606 | 8,908 | Spartanburg | 32,894 | 28,810 | 4,084 |
| Dillon | 15,436 | 9,097 | 6,339 | Sumter | 22,347 | 15,784 | 6,563 |
| Dorchester | 66,979 | 53,721 | 13,258 | Union | 49,667 | 47,570 | 2,097 |
| Edgefield | 55,765 | 48,482 | 7,283 | Williamsburg | 68,894 | 38,149 | 30,745 |
| Fairfield | 139,326 | 126,936 | 12,390 | York | 46,181 | 36,871 | 9,310 |
| Florence | 36,676 | 21,839 | 14,837 | All counties | 1,964,743 | 1,535,759 | 428,984 |
| Georgetown | 59,676 | 39,990 | 19,686 | | | | |
| Greenville | 20,542 | 20,283 | 259 | | | | |
| Greenwood | 44,524 | 40,689 | 3,835 | | | | |
| Hampton | 50,514 | 38,229 | 12,285 | | | | |
| Horry | 35,883 | 26,240 | 9,643 | | | | |

Table 15. Round pulpwood production in Tennessee, 1961

| County | All species | Pine | Hardwood | County | All species | Pine | Hardwood |
|------------------------|-------------|--------|----------|------------------------|-------------|---------|----------|
| --- Standard cords --- | | | | --- Standard cords --- | | | |
| Anderson | 10,201 | 6,312 | 3,889 | Lauderdale | 1,541 | ... | 1,541 |
| Bedford | ... | ... | ... | Lawrence | 15 | ... | 15 |
| Benton | 2,240 | 1,864 | 376 | Lewis | 182 | 160 | 22 |
| Bledsoe | 4,140 | 2,452 | 1,688 | Lincoln | ... | ... | ... |
| Blount | 13,265 | 8,180 | 5,085 | Loudon | 2,738 | 1,077 | 1,661 |
| Bradley | 12,169 | 8,076 | 4,093 | McMinn | 27,404 | 16,984 | 10,420 |
| Campbell | 5,849 | 5,644 | 205 | McNairy | 4,239 | 3,347 | 892 |
| Cannon | ... | ... | ... | Macon | ... | ... | ... |
| Carroll | 872 | 243 | 629 | Madison | 839 | 611 | 228 |
| Carter | 6,635 | ... | 6,635 | Marion | 2,301 | 2,267 | 34 |
| Cheatham | ... | ... | ... | Marshall | 7 | 7 | ... |
| Chester | 1,072 | 582 | 490 | Maury | ... | ... | ... |
| Claiborne | 1,909 | 1,710 | 199 | Meigs | 11,540 | 6,881 | 4,659 |
| Clay | ... | ... | ... | Monroe | 34,548 | 24,945 | 9,603 |
| Cocke | 15,697 | 11,829 | 3,868 | Montgomery | 17 | 17 | ... |
| Coffee | ... | ... | ... | Moore | ... | ... | ... |
| Crockett | ... | ... | ... | Morgan | 26,220 | 6,417 | 19,803 |
| Cumberland | 17,388 | 5,520 | 11,868 | Obion | 600 | ... | 600 |
| Davidson | ... | ... | ... | Overton | 1,126 | 1,109 | 17 |
| Decatur | 2,965 | 2,138 | 827 | Perry | 313 | ... | 313 |
| De Kalb | ... | ... | ... | Pickett | ... | ... | ... |
| Dickson | 238 | 238 | ... | Polk | 17,565 | 13,249 | 4,316 |
| Dyer | 600 | ... | 600 | Putnam | 518 | 518 | ... |
| Fayette | 45 | 45 | ... | Rhea | 15,020 | 4,050 | 10,970 |
| Fentress | 7,119 | 5,773 | 1,346 | Roane | 6,673 | 2,727 | 3,946 |
| Franklin | ... | ... | ... | Robertson | ... | ... | ... |
| Gibson | 19 | 19 | ... | Rutherford | ... | ... | ... |
| Giles | ... | ... | ... | Scott | 10,476 | 6,292 | 4,184 |
| Grainger | 3,649 | 2,872 | 777 | Sequatchie | 1,097 | 1,097 | ... |
| Greene | 12,068 | 5,560 | 6,508 | Sevier | 6,313 | 4,052 | 2,261 |
| Grundy | 2,464 | 2,464 | ... | Shelby | 3,311 | 1 | 3,310 |
| Hamblen | 491 | 292 | 199 | Smith | ... | ... | ... |
| Hamilton | 8,477 | 6,767 | 1,710 | Stewart | ... | ... | ... |
| Hancock | 461 | ... | 461 | Sullivan | 13,227 | 1,733 | 11,494 |
| Hardeman | 2,416 | 1,635 | 781 | Sumner | ... | ... | ... |
| Hardin | 4,608 | 3,695 | 913 | Tipton | 2,474 | ... | 2,474 |
| Hawkins | 15,356 | 5,455 | 9,901 | Trousdale | ... | ... | ... |
| Haywood | ... | ... | ... | Unicoi | 6,035 | ... | 6,035 |
| Henderson | 7,529 | 6,133 | 1,396 | Union | 9,097 | 6,020 | 3,077 |
| Henry | 997 | 855 | 142 | Van Buren | 153 | 153 | ... |
| Hickman | ... | ... | ... | Warren | 460 | 460 | ... |
| Houston | ... | ... | ... | Washington | 14,821 | 7,710 | 7,111 |
| Humphreys | ... | ... | ... | Wayne | 156 | 96 | 60 |
| Jackson | ... | ... | ... | Weakley | 325 | 325 | ... |
| Jefferson | 529 | 100 | 429 | White | 3,380 | 261 | 3,119 |
| Johnson | 6,174 | ... | 6,174 | Williamson | ... | ... | ... |
| Knox | 11,417 | 5,752 | 5,665 | Wilson | ... | ... | ... |
| Lake | ... | ... | ... | All counties | 403,790 | 214,771 | 189,019 |

Table 16. Round pulpwood production in Texas,
1961

| County ¹ | All species | Pine | Hardwood |
|------------------------|-------------|---------|----------|
| --- Standard cords --- | | | |
| Anderson | 14,537 | 12,085 | 2,452 |
| Angelina | 49,064 | 47,072 | 1,992 |
| Austin | 137 | ... | 137 |
| Bowie | 13,055 | 11,112 | 1,943 |
| Brazos | 1,008 | ... | 1,008 |
| Camp | 2,388 | 2,322 | 66 |
| Cass | 33,043 | 32,330 | 713 |
| Chambers | 2,816 | 2,406 | 410 |
| Cherokee | 44,470 | 41,565 | 2,905 |
| Falls | 157 | ... | 157 |
| Fort Bend | 584 | ... | 584 |
| Franklin | 286 | 286 | ... |
| Gregg | 9,122 | 7,399 | 1,723 |
| Grimes | 15,438 | 13,413 | 2,025 |
| Hardin | 37,822 | 29,140 | 8,682 |
| Harris | 29,151 | 22,141 | 7,010 |
| Harrison | 34,599 | 30,437 | 4,162 |
| Henderson | 21 | ... | 21 |
| Houston | 43,048 | 36,352 | 6,696 |
| Jasper | 74,182 | 54,828 | 19,354 |
| Jefferson | 530 | 95 | 435 |
| Leon | 3,539 | 2,155 | 1,384 |
| Liberty | 44,429 | 28,677 | 15,752 |
| McLennan | 368 | ... | 368 |
| Marion | 21,572 | 17,458 | 4,114 |
| Montgomery | 64,392 | 44,821 | 19,571 |
| Morris | 4,265 | 4,225 | 40 |
| Nacogdoches | 51,759 | 49,793 | 1,966 |
| Newton | 58,060 | 36,873 | 21,187 |
| Orange | 8,580 | 5,076 | 3,504 |
| Panola | 46,962 | 41,440 | 5,522 |
| Polk | 73,481 | 57,012 | 16,469 |
| Red River | 896 | 896 | ... |
| Rusk | 19,780 | 17,200 | 2,580 |
| Sabine | 39,907 | 33,226 | 6,681 |
| San Augustine | 49,807 | 38,819 | 10,988 |
| San Jacinto | 18,151 | 12,071 | 6,080 |
| Shelby | 53,956 | 44,315 | 9,641 |
| Smith | 7,785 | 5,330 | 2,455 |
| Titus | 114 | 114 | ... |
| Trinity | 42,301 | 38,195 | 4,106 |
| Tyler | 54,484 | 34,546 | 19,938 |
| Upshur | 25,494 | 25,401 | 93 |
| Walker | 33,598 | 25,957 | 7,641 |
| Waller | 1,249 | 242 | 1,007 |
| Wood | 107 | 107 | ... |
| All counties | 1,130,494 | 906,932 | 223,562 |

¹ Counties with no pulpwood production are omitted.

Table 17. Round pulpwood production in Virginia, 1961

| County ¹ | All species | Pine | Hardwood | County ¹ | All species | Pine | Hardwood |
|------------------------|-------------|--------|----------|------------------------|-------------|-----------|----------|
| --- Standard cords --- | | | | --- Standard cords --- | | | |
| Accomack | 4,392 | 4,392 | ... | King William | 18,070 | 15,034 | 3,036 |
| Albemarle | 29,316 | 28,121 | 1,195 | Lancaster | 17,669 | 17,669 | ... |
| Alleghany | 49,537 | 8,176 | 41,361 | Lee | 5,515 | 2 | 5,513 |
| Amelia | 20,093 | 18,123 | 1,970 | Loudoun | 3 | 3 | ... |
| Amherst | 64,723 | 23,954 | 40,769 | Louisa | 12,490 | 11,873 | 617 |
| Appomattox | 45,507 | 27,496 | 18,011 | Lunenburg | 12,967 | 11,628 | 1,339 |
| Arlington | 5 | 5 | ... | Madison | 5,576 | 5,576 | ... |
| Augusta | 21,580 | 8,905 | 12,675 | Mathews | 3,137 | 2,638 | 499 |
| Bath | 41,153 | 3,827 | 37,326 | Mecklenburg | 30,604 | 28,957 | 1,647 |
| Bedford | 55,611 | 40,534 | 15,077 | Middlesex | 11,991 | 11,530 | 461 |
| Bland | 96 | 31 | 65 | Montgomery | 3,210 | 3,210 | ... |
| Botetourt | 25,816 | 9,233 | 16,583 | Nansemond | 19,281 | 10,994 | 8,287 |
| Brunswick | 65,356 | 52,715 | 12,641 | Nelson | 28,013 | 15,936 | 12,077 |
| Buchanan | ... | ... | ... | New Kent | 24,645 | 20,319 | 4,326 |
| Buckingham | 62,971 | 34,656 | 28,315 | Norfolk | 422 | 370 | 52 |
| Campbell | 52,311 | 44,892 | 7,419 | Northampton | 233 | 108 | 125 |
| Caroline | 27,742 | 27,537 | 205 | Northumberland | 4,685 | 4,685 | ... |
| Carroll | 1,743 | 1,743 | ... | Nottoway | 23,220 | 19,251 | 3,969 |
| Charles City | 16,275 | 12,492 | 3,783 | Orange | 9,459 | 8,836 | 623 |
| Charlotte | 28,417 | 26,228 | 2,189 | Page | 801 | 762 | 39 |
| Chesterfield | 28,123 | 24,427 | 3,696 | Patrick | 6,424 | 6,424 | ... |
| Clarke | 1,177 | 1,052 | 125 | Pittsylvania | 39,725 | 38,287 | 1,438 |
| Craig | 18,074 | 3,331 | 14,743 | Powhatan | 15,949 | 13,772 | 2,177 |
| Culpeper | 7,033 | 6,300 | 733 | Prince Edward | 26,090 | 24,869 | 1,221 |
| Cumberland | 16,058 | 15,523 | 535 | Prince George | 30,821 | 22,850 | 7,971 |
| Dickenson | 280 | ... | 280 | Prince William | 17,971 | 17,675 | 296 |
| Dinwiddie | 52,709 | 39,942 | 12,767 | Princess Anne | ... | ... | ... |
| Elizabeth City | 99 | 99 | ... | Pulaski | 165 | 165 | ... |
| Essex | 8,102 | 8,073 | 29 | Rappahannock | 59 | 59 | ... |
| Fairfax | 4,811 | 4,811 | ... | Richmond | 17,433 | 17,433 | ... |
| Fauquier | 2,917 | 2,917 | ... | Roanoke | 3,041 | 2,883 | 158 |
| Floyd | 1,038 | 1,038 | ... | Rockbridge | 43,146 | 9,068 | 34,078 |
| Fluvanna | 18,521 | 13,627 | 4,894 | Rockingham | 6,654 | 5,939 | 715 |
| Franklin | 24,502 | 24,290 | 212 | Russell | 1,077 | ... | 1,077 |
| Frederick | 8,226 | 6,913 | 1,313 | Scott | 16,024 | ... | 16,024 |
| Giles | 6 | 6 | ... | Shenandoah | 8,639 | 7,170 | 1,469 |
| Gloucester | 14,921 | 13,868 | 1,053 | Smyth | 3 | 3 | ... |
| Goochland | 19,617 | 19,518 | 99 | Southampton | 37,403 | 22,646 | 14,757 |
| Grayson | 2 | 2 | ... | Spotsylvania | 19,229 | 16,439 | 2,790 |
| Greene | 4,469 | 4,469 | ... | Stafford | 14,222 | 14,183 | 39 |
| Greensville | 36,470 | 29,480 | 6,990 | Surry | 20,022 | 14,102 | 5,920 |
| Halifax | 28,432 | 27,838 | 594 | Sussex | 45,508 | 33,754 | 11,754 |
| Hanover | 12,325 | 11,944 | 381 | Tazewell | ... | ... | ... |
| Henrico | 8,934 | 8,139 | 795 | Warren | 3,355 | 2,704 | 651 |
| Henry | 19,992 | 19,847 | 145 | Warwick | 648 | 583 | 65 |
| Highland | 13,204 | 656 | 12,548 | Washington | 7,020 | 2,675 | 4,345 |
| Isle of Wight | 15,298 | 8,459 | 6,839 | Westmoreland | 11,702 | 11,702 | ... |
| James City | 9,512 | 8,138 | 1,374 | Wise | 10,114 | 80 | 10,034 |
| King and Queen | 26,340 | 24,720 | 1,620 | Wythe | 5,604 | 5,604 | ... |
| King George | 22 | 22 | ... | York | 8,312 | 7,062 | 1,250 |
| | | | | All counties | 1,662,209 | 1,190,021 | 472,188 |

¹ Includes independent cities.

Table 18. Mills using southern pulpwood in 1961, by process and capacity ¹

| Location | Map code ² | Company | Pulp capacity, 24 hours ³ | | | | |
|------------------|-----------------------|---|--------------------------------------|--------------|---------------------------------|---------------|------------------|
| | | | All processes | Sulfate | Groundwood and other mechanical | Semi-chemical | Soda and sulfite |
| ----- Tons ----- | | | | | | | |
| ALABAMA | | | | | | | |
| Brewton | (1) | Container Corp. of America | 300 | 300 | ... | ... | ... |
| Coosa Pines | (2) | Coosa River Newsprint Co. | 960 | 320 | 640 | ... | ... |
| Demopolis | (3) | Gulf States Paper Corp. | 400 | 400 | ... | ... | ... |
| Tuscaloosa | (4) | Gulf States Paper Corp. | 400 | 400 | ... | ... | ... |
| Mobile | (5) | International Paper Co. | 1,315 | 1,015 | 300 | ... | ... |
| Naheola | (6) | Marathon Southern Corp. | 420 | 420 | ... | ... | ... |
| Mobile | (7) | National Gypsum Co. | 300 | ... | 150 | 150 | ... |
| Mobile | (8) | The Ruberoid Co. | 48 | ... | 48 | ... | ... |
| Mobile | (9) | Scott Paper Co. | 830 | 830 | ... | ... | ... |
| | | Total | 4,973 | 3,685 | 1,138 | 150 | ... |
| ARKANSAS | | | | | | | |
| Crossett | (10) | Crossett Paper Mills | 655 | 575 | ... | 80 | ... |
| Pine Bluff | (11) | Dierks Paper Co. | 150 | 150 | ... | ... | ... |
| Camden | (12) | International Paper Co. | 625 | 625 | ... | ... | ... |
| Pine Bluff | (13) | International Paper Co. | 1,145 | 745 | 400 | ... | ... |
| | | Total | 2,575 | 2,095 | 400 | 80 | ... |
| FLORIDA | | | | | | | |
| Foley | (14) | The Buckeye Cellulose Corp. | 880 | 880 | ... | ... | ... |
| Fernandina | (15) | Container Corp. of America | 650 | 650 | ... | ... | ... |
| Palatka | (16) | Hudson Pulp and Paper Corp. | 850 | 850 | ... | ... | ... |
| Panama City | (17) | International Paper Co. | 1,620 | 1,620 | ... | ... | ... |
| Jacksonville | (18) | Owens-Illinois Glass Co. | 500 | 500 | ... | ... | ... |
| Fernandina | (19) | Rayonier, Inc. | 350 | ... | ... | ... | 350 |
| Port St. Joe | (20) | St. Joe Paper Co. | 1,200 | 1,200 | ... | ... | ... |
| Jacksonville | (21) | St. Regis Paper Co. | 1,500 | 1,500 | ... | ... | ... |
| Pensacola | (22) | St. Regis Paper Co. | 750 | 750 | ... | ... | ... |
| | | Total | 8,300 | 7,950 | ... | ... | 350 |
| GEORGIA | | | | | | | |
| Macon | (23) | Armstrong Cork Co. | 200 | ... | 200 | ... | ... |
| Brunswick | (24) | Brunswick Pulp and Paper Co. | 550 | 550 | ... | ... | ... |
| Savannah | (25) | Certain-teed Products Corp. | 65 | ... | 65 | ... | ... |
| Augusta | (26) | Continental Can Co. | 475 | 350 | ... | 125 | ... |
| Savannah | (27) | Continental Can Co. | 600 | 600 | ... | ... | ... |
| Macon | (28) | Georgia Kraft Co. | 675 | 675 | ... | ... | ... |
| Valdosta | (29) | Owens-Illinois Glass Co. | 630 | 630 | ... | ... | ... |
| Jesup | (30) | Rayonier, Inc. | 675 | 675 | ... | ... | ... |
| Rome | (31) | Rome Kraft Co. | 1,300 | 1,300 | ... | ... | ... |
| Savannah | (32) | The Ruberoid Co. | 48 | ... | 48 | ... | ... |
| St. Marys | (33) | St. Marys Kraft Corp. | 900 | 900 | ... | ... | ... |
| Savannah | (34) | Union Bag-Camp Paper Corp. | 2,575 | 2,175 | ... | 400 | ... |
| | | Total | 8,693 | 7,855 | 313 | 525 | ... |
| ILLINOIS | | | | | | | |
| Alton | (35) | Alton Box Board Co. | 250 | ... | ... | 250 | ... |
| East St. Louis | (36) | Certain-teed Products Corp. | 85 | ... | 85 | ... | ... |
| Wilmington | (37) | Lehon Co. | 60 | ... | ... | 60 | ... |
| | | Total | 395 | ... | 85 | 310 | ... |
| LOUISIANA | | | | | | | |
| Shreveport | (38) | Bird and Son | 60 | ... | ... | 60 | ... |
| Elizabeth | (39) | Calcasieu Paper Co. | 240 | 240 | ... | ... | ... |
| Hodge | (40) | Continental Can Co., Inc. | 640 | 500 | ... | 140 | ... |
| Bogalusa | (41) | Crown Zellerbach Corp. | 1,175 | 1,040 | ... | 135 | ... |
| New Orleans | (42) | Flintcote Co. | 60 | ... | 60 | ... | ... |
| Bastrop | (43) | International Paper Co. (Bastrop Mill) | 590 | ... | ... | 590 | ... |
| Bastrop | (44) | International Paper Co. (Louisiana Mill) | 635 | 590 | 45 | ... | ... |
| Springhill | (45) | International Paper Co. | 1,550 | 1,550 | ... | ... | ... |
| West Monroe | (46) | Olin Mathieson Chemical Corp. | 650 | 650 | ... | ... | ... |
| St. Francisville | (47) | St. Francisville Paper Co. | 235 | ... | 235 | ... | ... |
| | | Total | 5,835 | 4,570 | 340 | 925 | ... |
| MARYLAND | | | | | | | |
| Luke | (48) | West Virginia Pulp and Paper Co. | 600 | 600 | ... | ... | ... |
| | | Total | 600 | 600 | ... | ... | ... |

Table 18. Mills using southern pulpwood in 1961, by process and capacity¹ (Continued)

| Location | Map code ² | Company | Pulp capacity, 24 hours ³ | | | | |
|-----------------------|-----------------------|--|--------------------------------------|---------|---------------------------------|---------------|------------------|
| | | | All processes | Sulfate | Groundwood and other mechanical | Semi-chemical | Soda and sulfite |
| ----- Tons ----- | | | | | | | |
| MISSISSIPPI | | | | | | | |
| Meridian | (49) | Flintkote Co. | 133 | .. | 133 | .. | .. |
| Moss Point | (50) | International Paper Co. | 660 | 660 | .. | .. | .. |
| Natchez | (51) | International Paper Co. | 925 | 925 | .. | .. | .. |
| Natchez | (52) | Johns-Manville Products Corp. | 350 | .. | 230 | 120 | .. |
| Meridian | (53) | Kroehne Mfg. Co. of Miss., Inc. ⁴ | 80 | .. | 80 | .. | .. |
| Laurel | (54) | Masonite Corp. | 800 | .. | 800 | .. | .. |
| Greenville | (55) | United States Gypsum Co. | 180 | .. | 180 | .. | .. |
| | | Total | 3,128 | 1,585 | 1,423 | 120 | .. |
| NORTH CAROLINA | | | | | | | |
| Canton | (56) | Champion Papers, Inc. | 980 | 930 | .. | 50 | .. |
| Roanoke Rapids | (57) | Halifax Paper Co. | 800 | 800 | .. | .. | .. |
| Sylva | (58) | The Mead Corp. | 225 | .. | .. | 225 | .. |
| Acme | (59) | Riegel Paper Corp. | 775 | 645 | .. | 130 | .. |
| Plymouth | (60) | Weyerhaeuser Co., N. C. Div. | 1,450 | 1,125 | .. | 325 | .. |
| | | Total | 4,230 | 3,500 | .. | 730 | .. |
| OHIO | | | | | | | |
| Cincinnati | (61) | Philip Carey Mfg. Co. | 200 | .. | 200 | .. | .. |
| Chillicothe | (62) | The Mead Corp. | 210 | .. | .. | .. | 210 |
| | | Total | 410 | .. | 200 | .. | 210 |
| OKLAHOMA | | | | | | | |
| Pryor | (63) | Bestwall Gypsum Co. | 90 | .. | .. | 90 | .. |
| Haileyville | (64) | Dierks Forests, Inc. | 50 | .. | 50 | .. | .. |
| | | Total | 140 | .. | 50 | 90 | .. |
| PENNSYLVANIA | | | | | | | |
| York | (65) | Certain-teed Products Corp. | 70 | .. | .. | 70 | .. |
| Spring Grove | (66) | P. H. Glatfelter Co. | 190 | 190 | .. | .. | .. |
| | | Total | 260 | 190 | .. | 70 | .. |
| SOUTH CAROLINA | | | | | | | |
| Catawba | (67) | Bowater Board Co. | 200 | .. | 200 | .. | .. |
| Catawba | (68) | Bowaters Carolina Corp. | 400 | 400 | .. | .. | .. |
| Georgetown | (69) | International Paper Co. | 1,990 | 1,455 | .. | 535 | .. |
| Hartsville | (70) | Sonoco Products Co. | 375 | .. | .. | 375 | .. |
| Charleston | (71) | West Virginia Pulp and Paper Co. | 1,550 | 1,290 | .. | 260 | .. |
| | | Total | 4,515 | 3,145 | 200 | 1,170 | .. |
| TENNESSEE | | | | | | | |
| Calhoun | (72) | Bowaters Southern Paper Corp. | 1,425 | 450 | 800 | 175 | .. |
| Harriman | (73) | The Mead Corp. | 112 | .. | .. | 112 | .. |
| Kingsport | (74) | The Mead Corp. | 225 | .. | .. | .. | 225 |
| Knoxville | (75) | Southern Extract Co. | 150 | .. | .. | 150 | .. |
| Counce | (76) | Tennessee River Pulp & Paper Co. | 500 | 500 | .. | .. | .. |
| | | Total | 2,412 | 950 | 800 | 437 | 225 |
| TEXAS | | | | | | | |
| Pasadena | (77) | Champion Papers, Inc. | 750 | 690 | 60 | .. | .. |
| Evadale | (78) | East Texas Pulp and Paper Co. | 425 | 425 | .. | .. | .. |
| Dallas | (79) | The Ruberoid Co. | 40 | .. | 40 | .. | .. |
| Diboll | (80) | Southern Pine Lumber Co. | 130 | .. | .. | 130 | .. |
| Lufkin | (81) | Southland Paper Mills | 1,250 | 400 | 850 | .. | .. |
| | | Total | 2,595 | 1,515 | 950 | 130 | .. |
| VIRGINIA | | | | | | | |
| West Point | (82) | The Chesapeake Corp. of Virginia | 675 | 675 | .. | .. | .. |
| Hopewell | (83) | Continental Can Co., Inc. | 850 | 700 | .. | 150 | .. |
| Columbia | (84) | James River Pulp Corp. | 25 | .. | 25 | .. | .. |
| Lynchburg | (85) | The Mead Corp. | 175 | .. | .. | 175 | .. |
| Big Island | (86) | Owens-Illinois Glass Co. | 235 | .. | .. | 235 | .. |
| Jarratt | (87) | Southern Johns-Manville Products Corp. | 200 | .. | 200 | .. | .. |
| Franklin | (88) | Union Bag-Camp Paper Co. | 600 | 600 | .. | .. | .. |
| Covington | (89) | West Virginia Pulp and Paper Co. | 1,000 | 800 | .. | 200 | .. |
| | | Total | 3,760 | 2,775 | 225 | 760 | .. |
| | | All states | 52,821 | 40,415 | 6,124 | 5,497 | 785 |

¹ In 1961 one mill was under construction in the South, the Great Southern Land and Paper Co. at Cedar Springs, Georgia (90), with a design capacity of 700 tons per day.² Corresponds to numbers at mill locations in figure 6.³ Southern Pulp and Paper Manufacturer, vol. 24, no. 10 (Oct. 1, 1961); and other sources.⁴ Operate exclusively on secondary wood residues.





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SOUTHEASTERN FOREST EXPERIMENT STATION
Asheville, North Carolina

Forest Service, U. S. Department of Agriculture

1962