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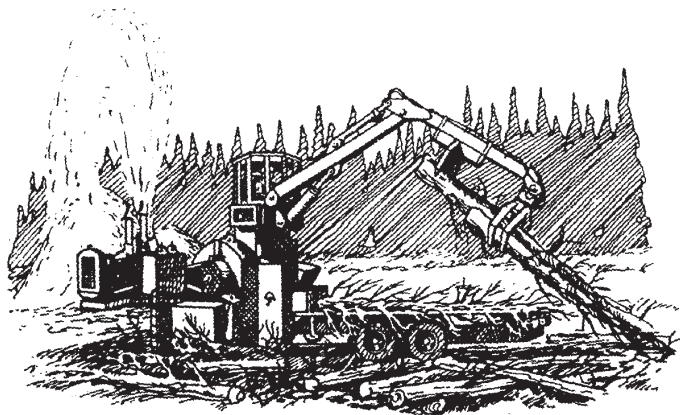
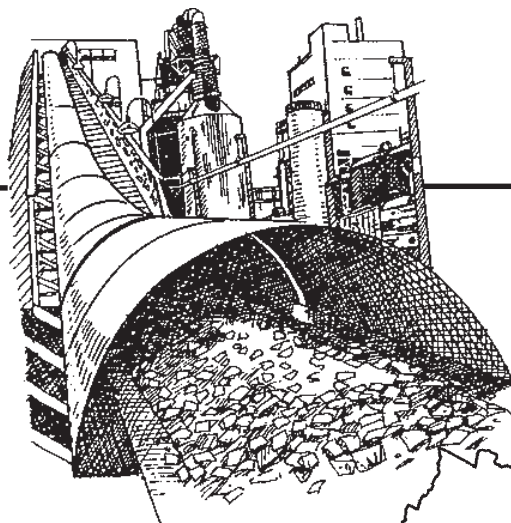


Southern  
Research Station

Resource Bulletin  
SRS-101

# Southern Pulpwood Production, 2003

Tony G. Johnson and  
Carolyn D. Steppleton



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Note: All tables in this report are available in Microsoft® Excel workbook files. These files will be supplied, upon request, on 3½-inch diskettes.

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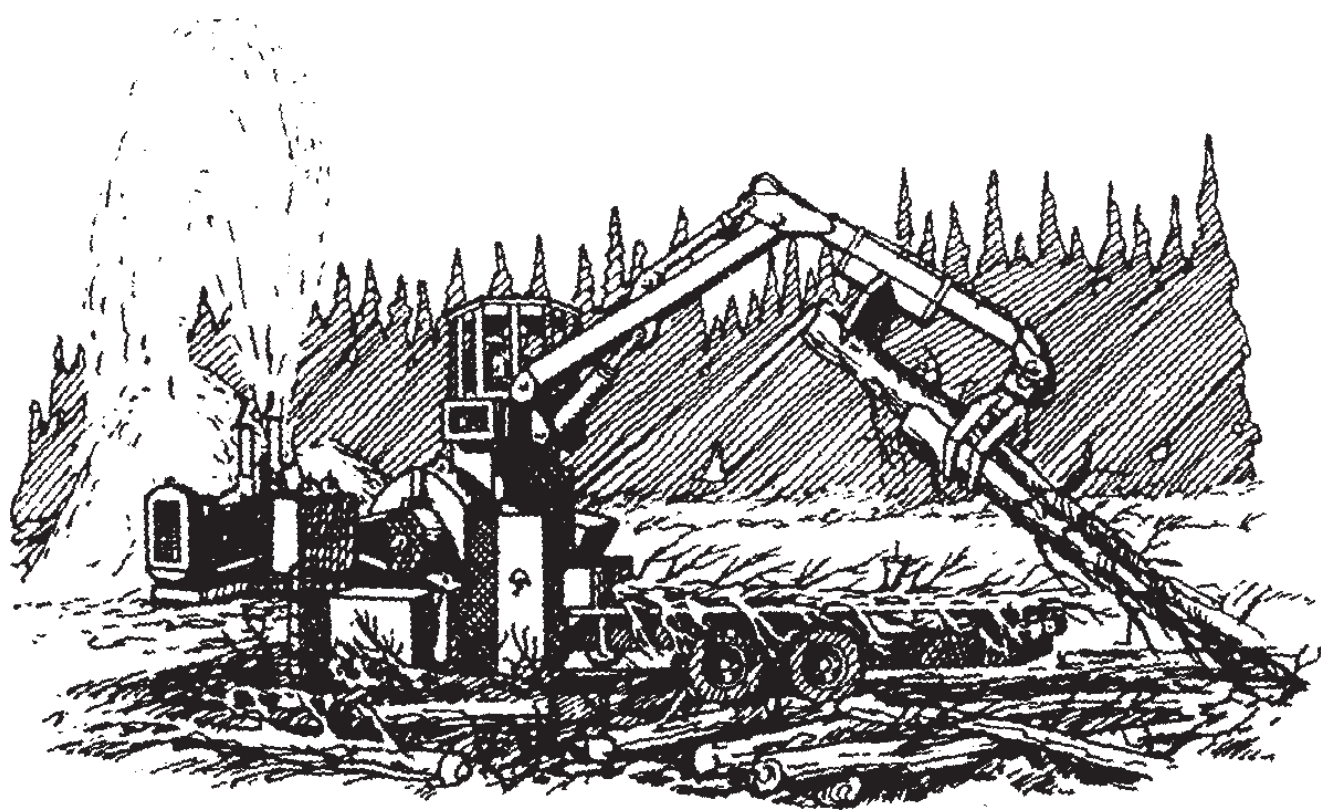
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# Southern Pulpwood Production, 2003

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## Introduction

This annual publication presents the findings of a 100-percent canvass of pulpmills that draw roundwood or wood residues from the 13 Southern States. Canvass data are compiled, analyzed, and reported annually by the Southern Research Station. In 2003, 89 of the 91 mills canvassed responded. Past canvass data and other sources of information were used for mills that did not respond. Mill data reported in nonstandard units were converted to standard cords using regional conversion factors. All production figures are reported in cords and do not include pulpwood that goes for export out of the country. Production expressed in equivalent green tons is reported in tables A.1, A.2, and A.7 through A.19.

## Pulpwood

Total southern pulpwood production, which includes both roundwood chipped at pulpmills or at independent chipmills, and other primary industry mill residues, declined 4 percent in 2003 to 61.3 million cords, or 162.0 million green tons. This decline follows 5 years of declines or relatively stagnant production starting with a 2-percent decline in 1998 to 74.7 million cords, a 5-percent decline in 1999 to 71.1 million cords, a 6-percent decline in 2000 to 66.6 million cords, and a 5-percent decline to 63.5 million cords in 2001. Pulpwood production in 2002 remained flat at 63.8 million cords. In 2003, the South

Central region's (Alabama, Arkansas, Kentucky, Louisiana, Mississippi, Oklahoma, Tennessee, and Texas) pulpwood production declined 5 percent, from 35.0 million cords to 33.4 million cords. Both softwood and hardwood pulpwood production went down in this region. The Southeast's (Florida, Georgia, North Carolina, South Carolina, and Virginia) production declined 3 percent, from 28.8 million cords to 27.9 million cords (table A.1). Softwood production was up in this region primarily due to a significant increase in softwood roundwood production. Georgia's production was down 3 percent, to 9.7 million cords, but led the South in total pulpwood production (fig. 1). Alabama's pulpwood production fell 15 percent, from 11.1 million cords in 2002 to 9.4 million cords in 2003. Production in Mississippi increased 4 percent, to 6.9 million cords, while Louisiana's production was down 9 percent, to 5.8 million cords. South Carolina's production was down 9 percent, to 5.3 million cords. Collectively, these five States accounted for nearly 37 million cords, or 60 percent of the South's total production in 2003 (table A.2). Softwood roundwood and residues combined accounted for 72 percent of the total pulpwood production, while hardwoods accounted for the remainder (table A.3).

## Roundwood

Roundwood pulpwood continues to be the primary fiber source used in pulp manufacture in the South, accounting for 72

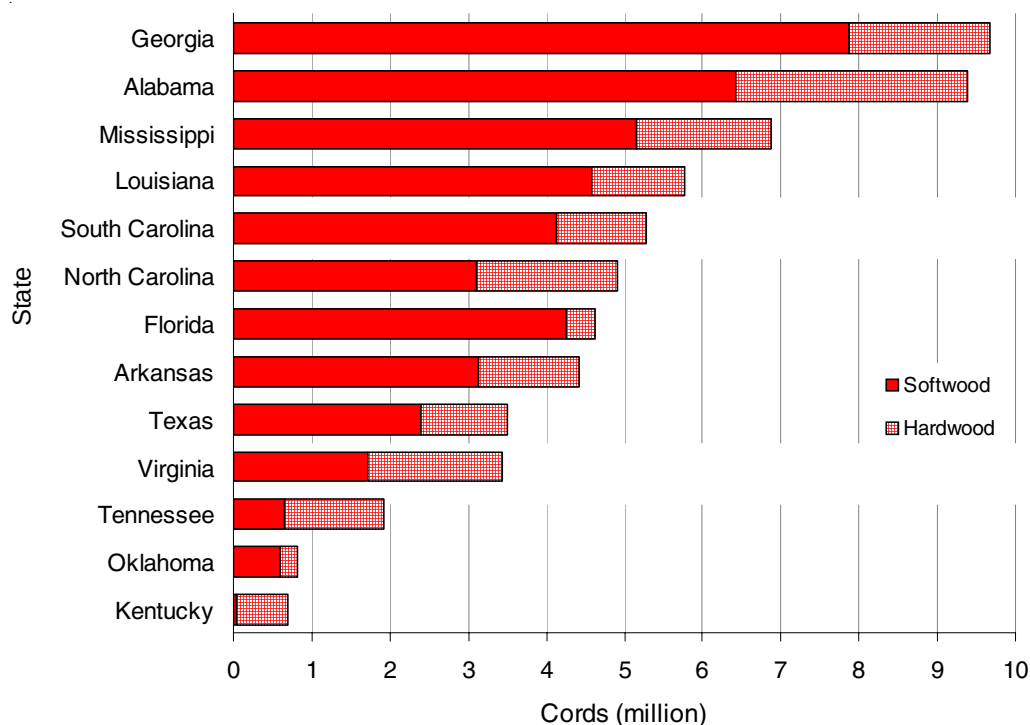


Figure 1—2003 pulpwood production by State and broad species.

percent of the total southern pulpwood production in 2003 (fig. 2), compared to 66 percent of total pulpwood production in 2002. Overall, the South's roundwood production increased 5 percent in 2003 to a total of 44.3 million cords (table A.4). Softwood accounted for 70 percent of the total roundwood production. Softwood roundwood production was up 8 percent, while hardwood roundwood production declined 1 percent. Only two Southern States, Alabama and Oklahoma, showed declines in roundwood production, down 11 and 12 percent, respectively. Most Southern States showed substantial increases in roundwood production. Georgia led in total roundwood production, with 7.6 million cords, and was the leading producer of softwood roundwood, at 6.2 million cords. Alabama ranked second in roundwood production with 7.0 million cords and was the leading producer of hardwood roundwood at 2.4 million cords. Louisiana, Mississippi, and South Carolina followed with 4.2, 4.1, and 3.9 million cords, respectively. Combined production in all five States amounted to 26.8 million cords, or 61 percent of the South's roundwood total.

## Wood Residues

Mills reported two types of receipts: (1) roundwood and (2) wood residues. The second category is primarily mill residue chips, a byproduct of sawmilling and veneer mill operations. However, an unknown proportion of the wood residue was chipped in the woods or was received as roundwood at a primary processor, i.e., sawmill or veneer mill, but not processed by the primary processor and subsequently chipped. Thus, an unknown proportion of the wood chips received at pulp mills as residues should be treated as roundwood because technically it was not a byproduct of the milling process.

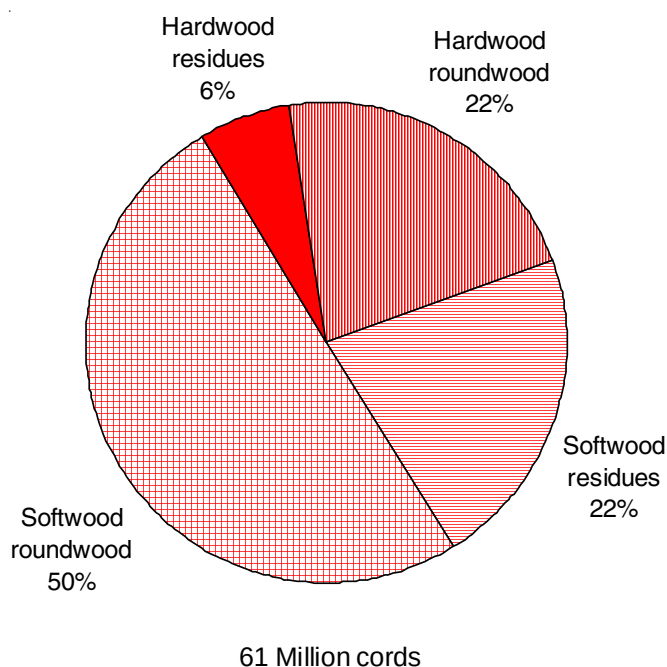


Figure 2—Distribution of total production by roundwood and residues.

With this in mind, in 2003, wood residue production in the South declined a substantial 22 percent, from 21.7 million cords in 2002 to 17.0 million cords (table A.5). Seventy-eight percent of wood residues produced were softwoods with 13.2 million cords. Hardwood residue production dropped from 6.1 million cords in 2002 to 3.8 million cords, a 38-percent decline. Only four Southern States had an increase in wood residue production, while nine States had substantial declines ranging from 10 to 41 percent. Mississippi led Southern States in the production of wood residues at 2.8 million cords, followed by Alabama with 2.4 million cords, and Georgia and Louisiana with 2.0 and 1.6 million cords, respectively. The South Central region led the Southeast region in wood residue production, supplying 60 percent of the total residue volume.

## County or Parish Production

Tables A.7 through A.19 report county and parish (herein county) patterns of roundwood pulpwood production for domestic pulp mills. Wood residues and pulpwood production exported outside the United States are not included in these figures because the county of origin for the residues and exports are difficult, if not impossible, to determine. Of the 1,002 counties in the Southern States, 893 produced both softwood and hardwood roundwood compared to 882 in 2002. Of the producing counties, only 14 harvested >250,000 cords of softwood and hardwood roundwood combined, with 10 of the 14 counties in Alabama and Louisiana. Fourteen percent, or 123 counties evenly distributed across the South, had roundwood production ranging between 100,000 and 250,000 cords. The remaining counties had production of <100,000 cords. Figures 3 and 4 display softwood and hardwood roundwood production in cords per square mile, which discounts county size and presents a more equitable display of production. Counties in the dark shades of blue or red are those that produced >100 cords per square mile. Across the South, 208 counties had production of >100 cords of softwood per square mile, while only 27 counties had hardwood production in that range (table 1).

A barometer for degree of local competition for pulpwood is the number of mills procuring wood from each county (figs. 5 and 6). In 365 of the producing counties, or 41 percent, 1 to 3

**Table 1—Number of producing counties in the South, by range of cords per square mile for softwood and hardwood roundwood, 2003**

| Range         | Softwood                  | Hardwood   |
|---------------|---------------------------|------------|
|               | <i>number of counties</i> |            |
| 0             | 76                        | 53         |
| 0.001 – 10.0  | 240                       | 306        |
| 10.1 – 50.0   | 205                       | 375        |
| 50.1 – 100.0  | 164                       | 132        |
| 100.1 – 511.0 | 208                       | 27         |
| <b>Total</b>  | <b>893</b>                | <b>893</b> |

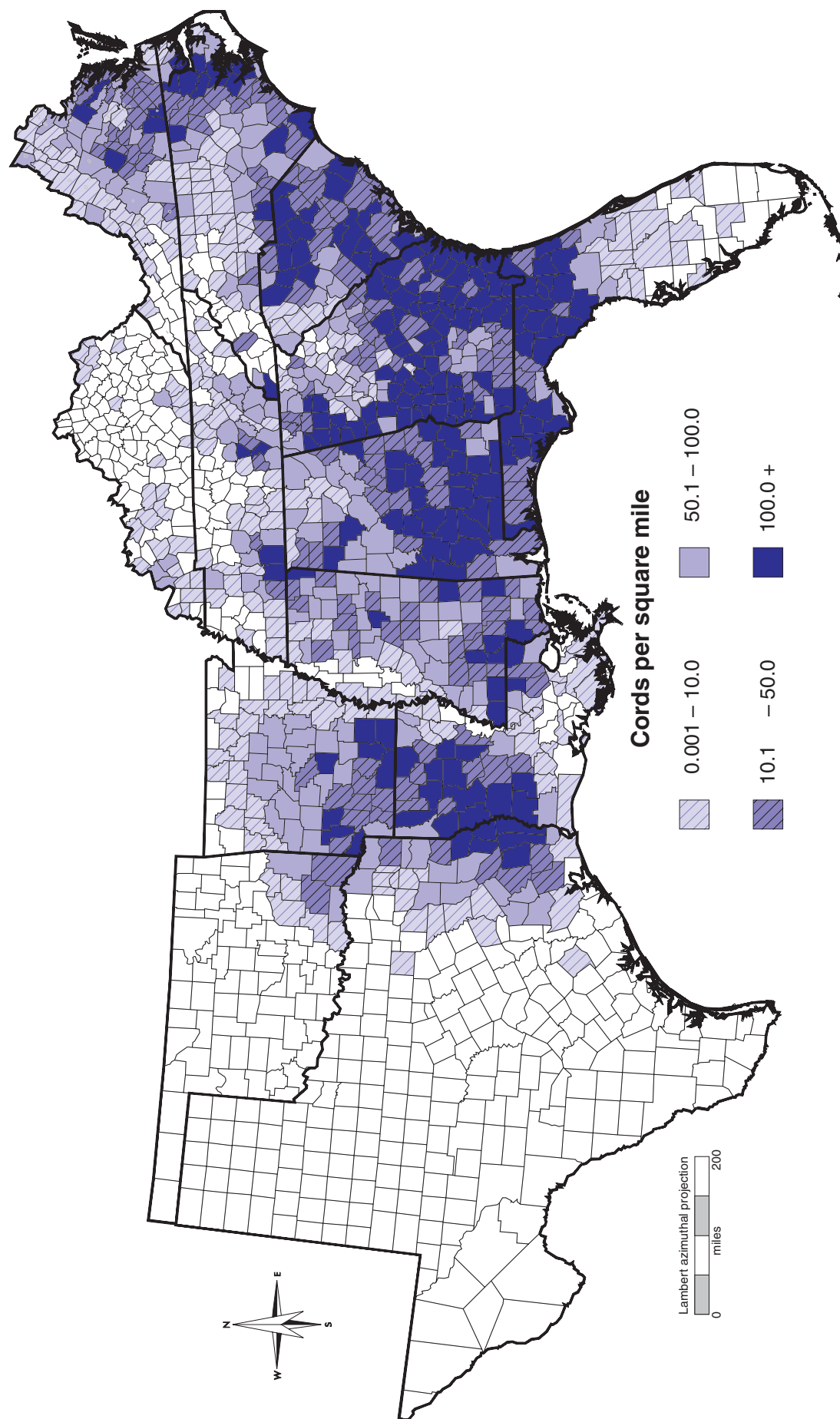


Figure 3—Softwood roundwood production in the South by county or parish, 2003.



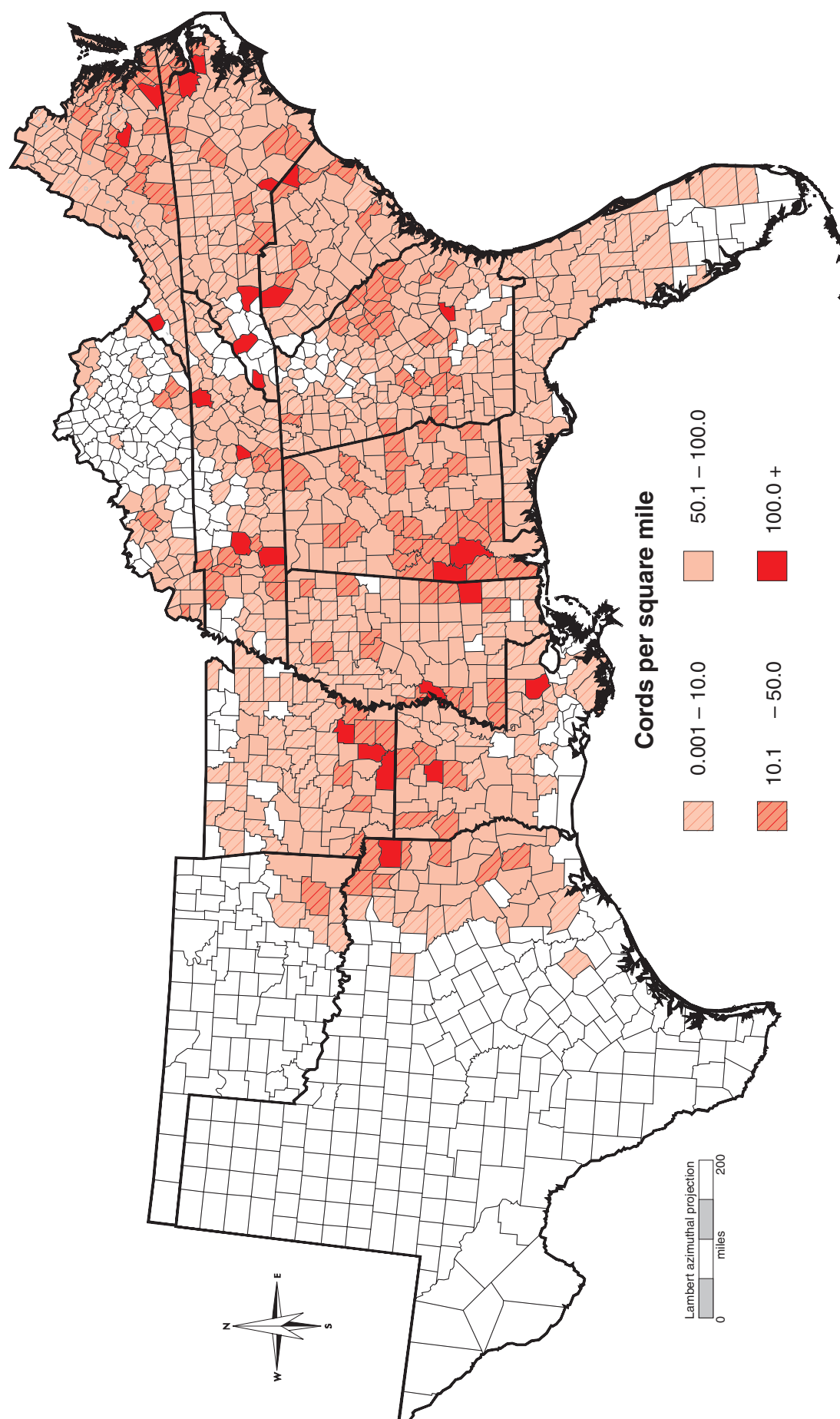


Figure 4—Hardwood roundwood production in the South by county or parish, 2003.



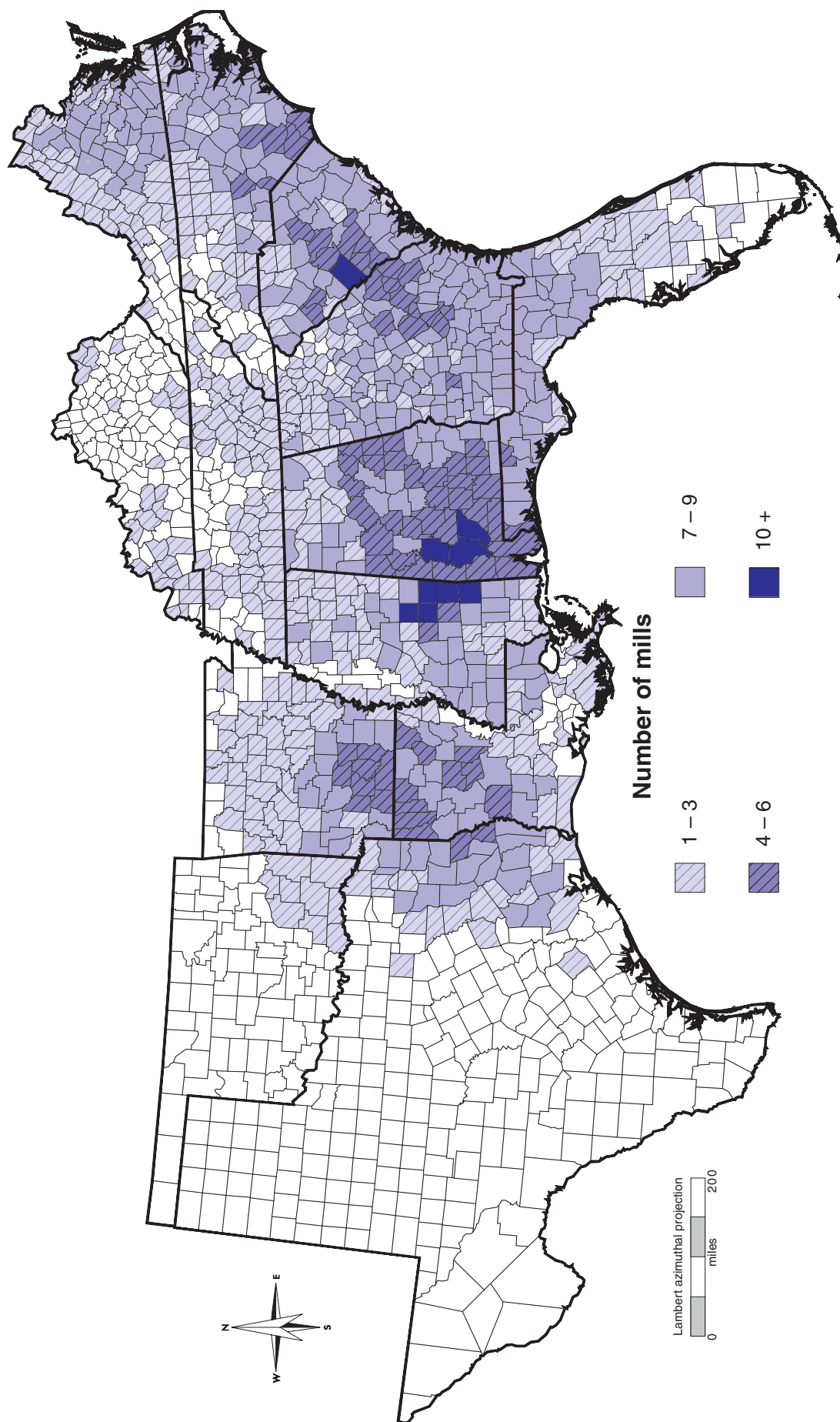


Figure 5—Number of mills competing for softwood roundwood by county or parish, 2003.

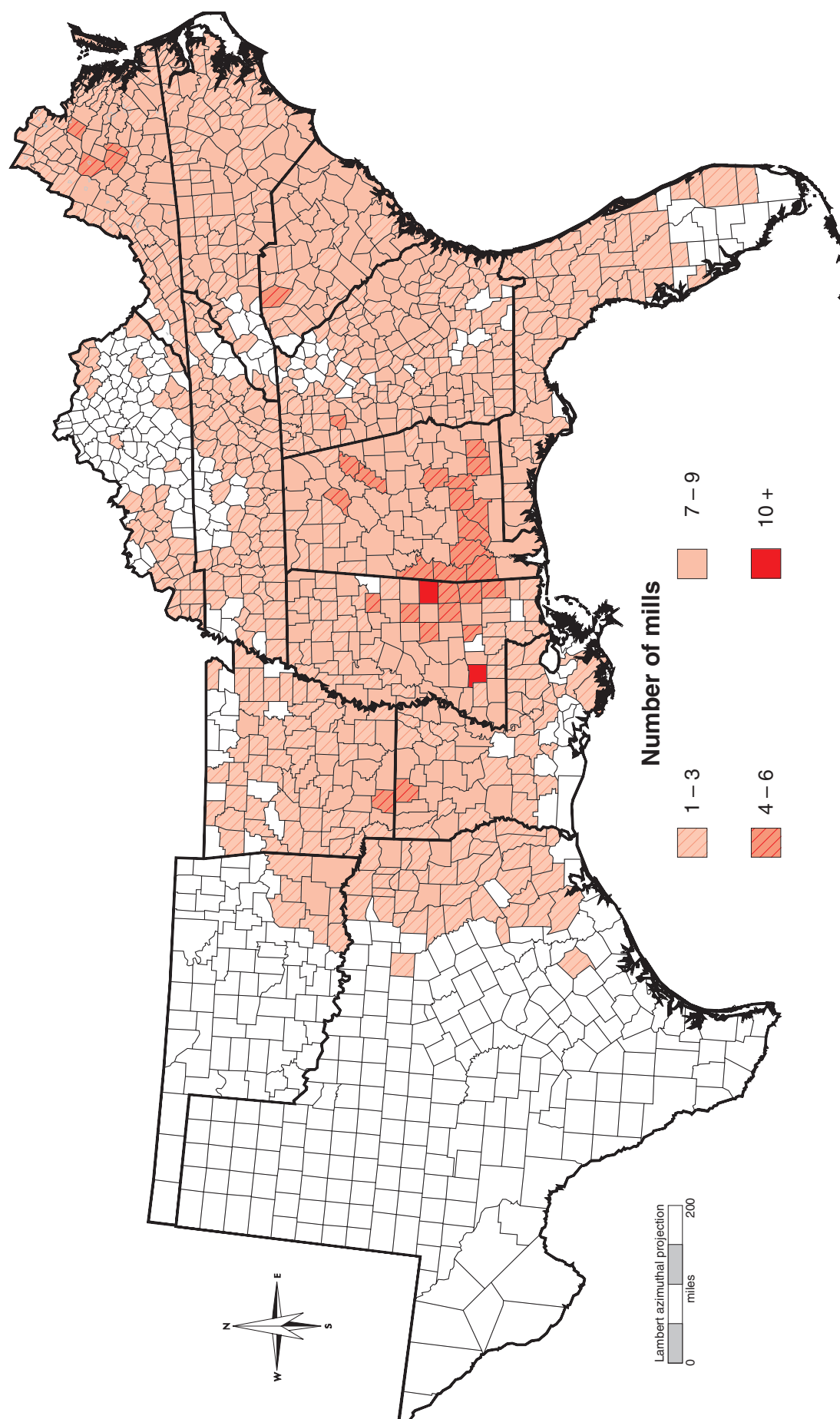


Figure 6—Number of mills competing for hardwood roundwood by county or parish, 2003.

mills were actively procuring both softwood and hardwood roundwood (table 2). In 320 counties, or 36 percent, 4 to 6 mills were actively procuring wood; and in the remaining 208 counties, or 23 percent, 7 or more mills were active. By comparison, in 1997, a peak year for southern pulpwood production, there were 103 pulpmills active in the South and 347 counties, or 38 percent, had 7 or more mills competing for wood (table A.6).

**Table 2—Number of producing counties in the South by the number of pulpmills procuring softwood and hardwood roundwood, 2003**

| Number<br>of mills | Combined <sup>a</sup>     | Softwood <sup>b</sup> | Hardwood <sup>c</sup> |
|--------------------|---------------------------|-----------------------|-----------------------|
|                    | <i>number of counties</i> |                       |                       |
| 0                  | 0                         | 76                    | 53                    |
| 1 – 3              | 365                       | 405                   | 548                   |
| 4 – 6              | 320                       | 321                   | 260                   |
| 7 – 9              | 173                       | 82                    | 30                    |
| 10+                | 35                        | 9                     | 2                     |
| Total              | 893                       | 893                   | 893                   |

<sup>a</sup> Combined is counties with mills procuring both softwood and hardwood.

<sup>b</sup> Softwood is counties with mills procuring only softwood.

<sup>c</sup> Hardwood is counties with mills procuring only hardwood.

## Roundwood Movement

Tables A.20 and A.21 show the softwood and hardwood roundwood movement for the Southeast and South Central regions. Numbers inside the frames represent roundwood harvested and retained for processing within each State. The numbers in rows to the left and right of those boxed numbers represent wood exported to the other States. Therefore, the retained figure added to the wood exported out of State totals the roundwood production for the State. The numbers in columns either above or below the retained figures represent wood that was imported from other States. The retained figure plus the wood imported from other States represents roundwood receipts or the amount of roundwood processed by mills in that State.

The South Central region was a net importer of roundwood pulpwood. For both softwood and hardwood combined, imports exceeded exports by 534,632 cords (tables A.20 and A.21). The Southeast was a net exporter of pulpwood with softwood and hardwood exports exceeding imports by 689,739 cords.

## Mills

In 2003, 91 southern pulpmills were operating and drawing wood from the 13 Southern States (fig. 7), 1 less than in 2002. At the same time, total southern mill pulping capacity remained relatively stable, increasing only slightly from 127,110 tons per

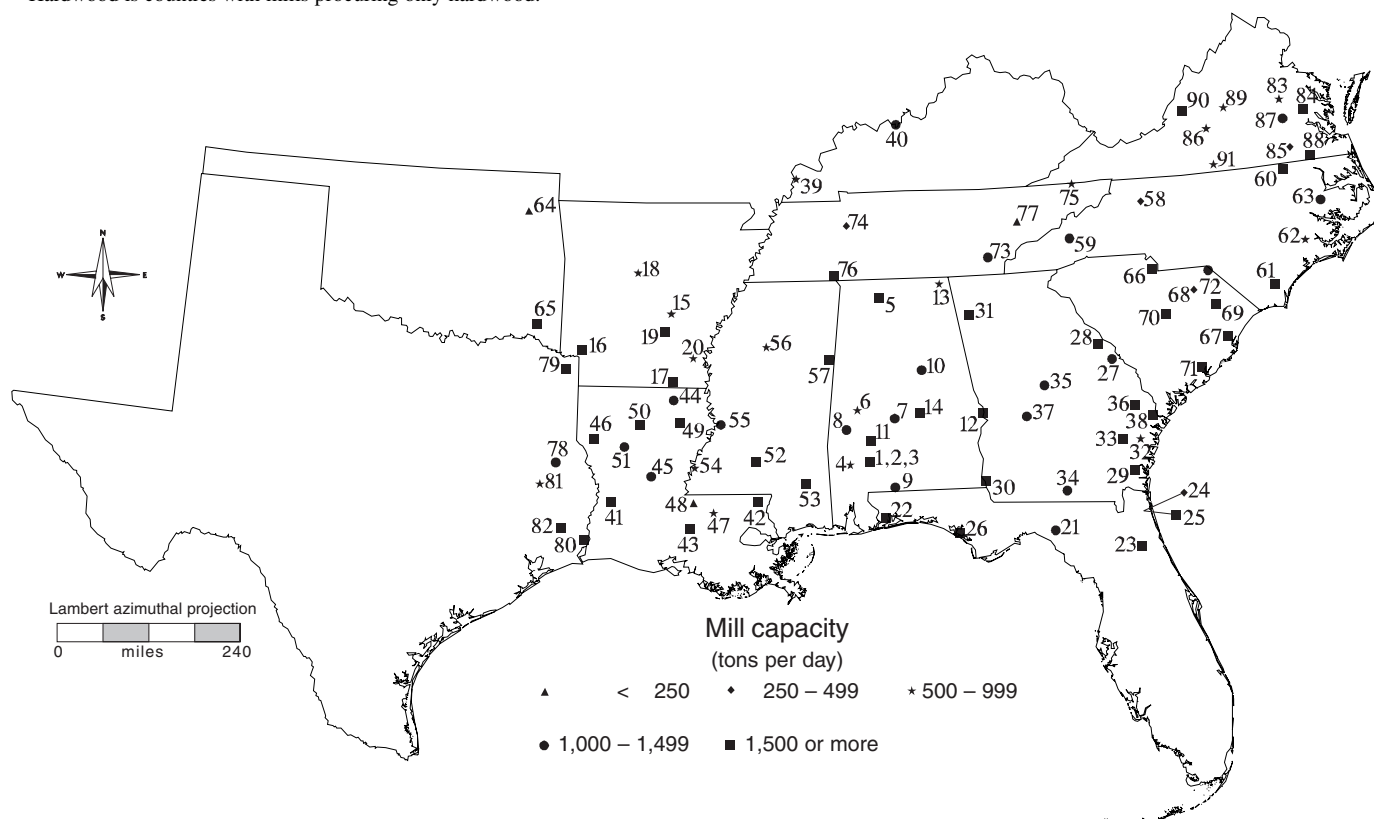


Figure 7—2003 capacity of southern pulpmills operating and drawing wood from the 13 Southern States. Numerals are coded on table A.22.

day in 2002 to 127,390 tons per day in 2003. However, due to mill closures and loss of mill capacity across the Nation, southern mills still accounted for more than 70 percent of the Nation's total pulping capacity. Daily capacity of individual mills ranged from 50 to 3,600 tons. In 1992, average pulpmill capacity was 1,295 tons per day, in 1999 it was 1,386 tons per day, and in 2001 it dropped to 1,310 tons per day. Due to mill closures and workload increases, the average daily capacity increased to 1,400 tons per day in 2003. The sulfate process dominated the industry in 2003, accounting for 88 percent of mill capacity. Groundwood or other mechanical processes accounted for 7 percent, semichemical 4 percent, and soda and other chemical processes 1 percent (table A.22). Those proportions have remained relatively stable over the past few years. Based on 2003 production and mill capacity, and using an average of 350 total operating days, southern pulpmills operated at 86-percent capacity.

Alabama and Georgia continued to lead the South in the number of mills operating with 14 and 12, respectively. Georgia led in pulping capacity with 21,260 tons per day, to Alabama's 20,005 tons per day (table 3). In addition, three pulpmills outside the southern region drew wood from the South in 2003 (table A.23).

**Table 3—Number of pulpmills and pulping capacity, by State, 2003**

| State          | Mills | 24-hour<br>capacity<br>tons |
|----------------|-------|-----------------------------|
| Alabama        | 14    | 20,005                      |
| Arkansas       | 6     | 7,450                       |
| Florida        | 6     | 8,590                       |
| Georgia        | 12    | 21,260                      |
| Kentucky       | 2     | 2,250                       |
| Louisiana      | 11    | 16,435                      |
| Mississippi    | 6     | 8,785                       |
| North Carolina | 6     | 7,635                       |
| Oklahoma       | 2     | 2,550                       |
| South Carolina | 7     | 10,800                      |
| Tennessee      | 5     | 4,625                       |
| Texas          | 5     | 6,925                       |
| Virginia       | 9     | 10,080                      |
| Total          | 91    | 127,390                     |

## Trends

From 1994 through 2003, southern pulpwood production declined by 11 percent, from 68.5 (180.8 million green tons) to 61.3 million cords (162.0 million green tons) (fig. 8). During the same period, roundwood pulpwood production declined from 47.8 to 44.3 million cords, a 7-percent loss. Between 1994 and 2003, softwood roundwood production declined 1 percent, while hardwood roundwood production declined 19 percent. The production of wood residues declined 18 percent, from 20.6 million cords in 1994 to 17.0 million cords in 2003. Wood residues continue to be an important source of fiber for the pulp and paper industry in the South. However, this proportion shrank to 28 percent of total pulpwood production in 2003, compared to 30 percent in 1994 and as high as 34 percent in 2002. Total southern mill pulping capacity during this same period declined 9 percent, from 139,880 tons per day in 1994 to the current 127,390 tons per day.

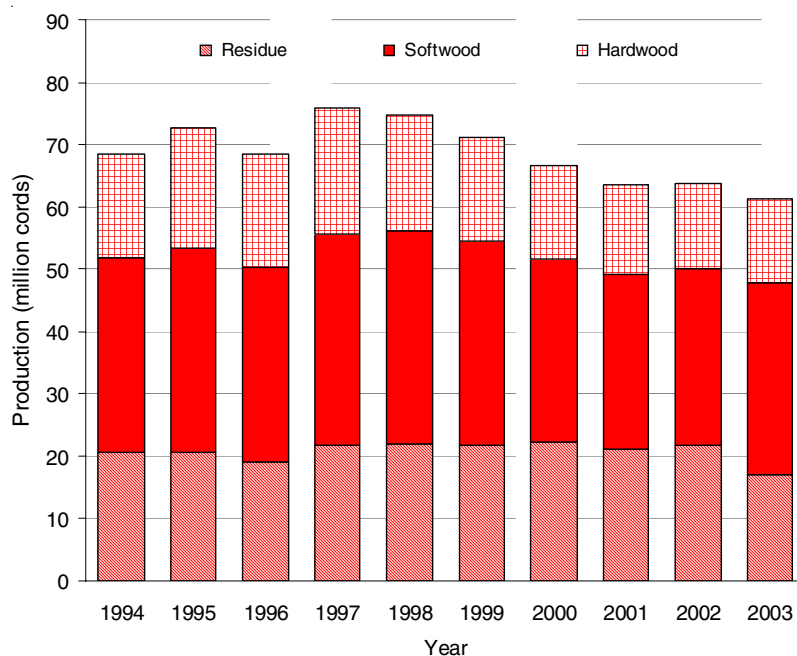


Figure 8—Southern pulpwood production, 1994–2003.

## **Appendix**





**Table A.1—Pulpwood production in the Southeast and South Central regions, 2003**

| Region and<br>source of wood | All<br>species        | Softwood   | Hardwood   | All<br>species    | Softwood    | Hardwood   |
|------------------------------|-----------------------|------------|------------|-------------------|-------------|------------|
|                              | <i>standard cords</i> |            |            | <i>green tons</i> |             |            |
| Southeast <sup>a</sup>       |                       |            |            |                   |             |            |
| Roundwood                    | 21,193,156            | 15,748,761 | 5,444,395  | 57,765,961        | 42,521,655  | 15,244,306 |
| Residues                     | 6,714,807             | 5,333,697  | 1,381,110  | 16,231,977        | 12,827,541  | 3,404,436  |
| Total                        | 27,907,963            | 21,082,458 | 6,825,505  | 73,997,938        | 55,349,196  | 18,648,742 |
| South Central <sup>b</sup>   |                       |            |            |                   |             |            |
| Roundwood                    | 23,112,831            | 15,081,911 | 8,030,920  | 63,207,735        | 40,721,160  | 22,486,575 |
| Residues                     | 10,255,165            | 7,870,575  | 2,384,590  | 24,806,748        | 18,928,733  | 5,878,015  |
| Total                        | 33,367,996            | 22,952,486 | 10,415,510 | 88,014,483        | 59,649,893  | 28,364,590 |
| Entire South                 |                       |            |            |                   |             |            |
| Roundwood                    | 44,305,987            | 30,830,672 | 13,475,315 | 120,973,696       | 83,242,815  | 37,730,881 |
| Residues                     | 16,969,972            | 13,204,272 | 3,765,700  | 41,038,725        | 31,756,274  | 9,282,451  |
| Total                        | 61,275,959            | 44,034,944 | 17,241,015 | 162,012,421       | 114,999,089 | 47,013,332 |

<sup>a</sup> States of Florida, Georgia, North Carolina, South Carolina, and Virginia.

<sup>b</sup> States of Alabama, Arkansas, Kentucky, Louisiana, Mississippi, Oklahoma, Tennessee, and Texas.

**Table A.2—Pulpwood production in the South during 2003, and change since 2002**

| State          | Change         | Pulpwood              |                   |
|----------------|----------------|-----------------------|-------------------|
|                | <i>percent</i> | <i>standard cords</i> | <i>green tons</i> |
| Alabama        | -15            | 9,389,605             | 24,929,474        |
| Arkansas       | -5             | 4,407,608             | 11,554,589        |
| Florida        | 4              | 4,617,315             | 12,240,022        |
| Georgia        | -3             | 9,670,025             | 25,677,600        |
| Kentucky       | 13             | 687,732               | 1,776,879         |
| Louisiana      | -9             | 5,766,839             | 15,206,668        |
| Mississippi    | 4              | 6,861,807             | 17,858,242        |
| North Carolina | -8             | 4,903,187             | 12,969,507        |
| Oklahoma       | -13            | 818,935               | 2,149,491         |
| South Carolina | -9             | 5,276,566             | 13,956,250        |
| Tennessee      | 5              | 1,931,227             | 5,237,657         |
| Texas          | 18             | 3,504,243             | 9,301,483         |
| Virginia       | 4              | 3,440,870             | 9,154,559         |
| All States     | -4             | 61,275,959            | 162,012,421       |

**Table A.3—Pulpwood production in the South by State and species group, 2003**

| State          | All<br>species        | Softwood   | Hardwood   |
|----------------|-----------------------|------------|------------|
|                | <i>standard cords</i> |            |            |
| Alabama        | 9,389,605             | 6,414,983  | 2,974,622  |
| Arkansas       | 4,407,608             | 3,125,505  | 1,282,103  |
| Florida        | 4,617,315             | 4,252,054  | 365,261    |
| Georgia        | 9,670,025             | 7,872,708  | 1,797,317  |
| Kentucky       | 687,732               | 44,970     | 642,762    |
| Louisiana      | 5,766,839             | 4,579,259  | 1,187,580  |
| Mississippi    | 6,861,807             | 5,147,381  | 1,714,426  |
| North Carolina | 4,903,187             | 3,100,255  | 1,802,932  |
| Oklahoma       | 818,935               | 591,429    | 227,506    |
| South Carolina | 5,276,566             | 4,138,540  | 1,138,026  |
| Tennessee      | 1,931,227             | 649,531    | 1,281,696  |
| Texas          | 3,504,243             | 2,399,428  | 1,104,815  |
| Virginia       | 3,440,870             | 1,718,901  | 1,721,969  |
| All States     | 61,275,959            | 44,034,944 | 17,241,015 |

**Table A.4—Roundwood production in the South by State and species group, 2003 and 2002**

| State          | Change<br>from<br>2002<br><i>percent</i> | 2003                  |          |          | 2002           |          |          |
|----------------|------------------------------------------|-----------------------|----------|----------|----------------|----------|----------|
|                |                                          | All<br>species        | Softwood | Hardwood | All<br>species | Softwood | Hardwood |
|                |                                          | <i>thousand cords</i> |          |          |                |          |          |
| Alabama        | -11                                      | 7,031.7               | 4,665.7  | 2,366.1  | 7,889.4        | 5,531.4  | 2,358.0  |
| Arkansas       | 0                                        | 2,832.1               | 1,784.7  | 1,047.4  | 2,821.7        | 1,807.6  | 1,014.1  |
| Florida        | 8                                        | 3,726.0               | 3,368.5  | 357.5    | 3,464.4        | 3,032.0  | 432.3    |
| Georgia        | 10                                       | 7,644.4               | 6,188.1  | 1,456.3  | 6,933.5        | 5,386.9  | 1,546.6  |
| Kentucky       | 12                                       | 256.8                 | 43.0     | 213.8    | 228.7          | 36.1     | 192.6    |
| Louisiana      | 14                                       | 4,153.4               | 3,130.9  | 1,022.5  | 3,642.2        | 2,639.0  | 1,003.2  |
| Mississippi    | 6                                        | 4,085.5               | 2,897.5  | 1,187.9  | 3,859.7        | 2,290.2  | 1,569.5  |
| North Carolina | 11                                       | 3,435.7               | 2,044.8  | 1,390.9  | 3,097.7        | 1,873.3  | 1,224.4  |
| Oklahoma       | -12                                      | 535.1                 | 324.2    | 211.0    | 608.2          | 343.1    | 265.1    |
| South Carolina | 3                                        | 3,929.2               | 2,961.1  | 968.1    | 3,819.4        | 2,786.6  | 1,032.8  |
| Tennessee      | 4                                        | 1,616.5               | 634.4    | 982.1    | 1,550.0        | 564.4    | 985.6    |
| Texas          | 25                                       | 2,601.7               | 1,601.6  | 1,000.1  | 2,083.2        | 1,123.6  | 959.6    |
| Virginia       | 17                                       | 2,457.9               | 1,186.3  | 1,271.6  | 2,092.4        | 1,022.9  | 1,069.5  |
| All States     | 5                                        | 44,306.0              | 30,830.7 | 13,475.3 | 42,090.4       | 28,436.9 | 13,653.4 |

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

**Table A.5—Southern output of wood residues for pulp manufacture by State and species group, 2003 and 2002**

| State          | Change         | 2003     |                       |          | 2002     |          |          |
|----------------|----------------|----------|-----------------------|----------|----------|----------|----------|
|                | from           | All      | Softwood              | Hardwood | All      | Softwood | Hardwood |
|                | 2002           | species  |                       |          | species  |          |          |
|                | <i>percent</i> |          | <i>thousand cords</i> |          |          |          |          |
| Alabama        | -26            | 2,357.9  | 1,749.3               | 608.6    | 3,167.3  | 2,251.0  | 916.4    |
| Arkansas       | -12            | 1,575.5  | 1,340.8               | 234.7    | 1,796.1  | 1,438.1  | 358.0    |
| Florida        | -10            | 891.3    | 883.6                 | 7.8      | 987.2    | 882.4    | 104.8    |
| Georgia        | -32            | 2,025.6  | 1,684.6               | 341.0    | 2,990.5  | 2,028.1  | 962.4    |
| Kentucky       | 13             | 430.9    | 2.0                   | 428.9    | 380.9    | 3.2      | 377.7    |
| Louisiana      | -41            | 1,613.4  | 1,448.4               | 165.0    | 2,727.0  | 2,140.2  | 586.9    |
| Mississippi    | 1              | 2,776.3  | 2,249.9               | 526.5    | 2,740.1  | 2,285.8  | 454.3    |
| North Carolina | -34            | 1,467.5  | 1,055.4               | 412.1    | 2,218.2  | 1,395.2  | 823.0    |
| Oklahoma       | -14            | 283.8    | 267.3                 | 16.5     | 331.9    | 313.9    | 18.1     |
| South Carolina | -33            | 1,347.4  | 1,177.5               | 169.9    | 1,996.6  | 1,476.3  | 520.3    |
| Tennessee      | 7              | 314.7    | 15.1                  | 299.6    | 295.1    | 41.2     | 253.9    |
| Texas          | 3              | 902.6    | 797.8                 | 104.8    | 874.8    | 763.3    | 111.5    |
| Virginia       | -19            | 983.0    | 532.6                 | 450.3    | 1,214.7  | 616.3    | 598.5    |
| All States     | -22            | 16,970.0 | 13,204.3              | 3,765.7  | 21,720.6 | 15,634.8 | 6,085.7  |

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

**Table A.6—Pulpwood production in the South by source of wood, State, year, and number of mills**

| Source of wood<br>and State | Year                       |         |         |         |         |         |         |         |         |         |
|-----------------------------|----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                             | 1994                       | 1995    | 1996    | 1997    | 1998    | 1999    | 2000    | 2001    | 2002    | 2003    |
|                             | <i>thousand green tons</i> |         |         |         |         |         |         |         |         |         |
| Roundwood                   |                            |         |         |         |         |         |         |         |         |         |
| Alabama                     | 24,377                     | 25,790  | 26,791  | 27,814  | 29,344  | 23,685  | 21,537  | 20,575  | 21,537  | 19,222  |
| Arkansas                    | 5,437                      | 7,515   | 8,755   | 8,416   | 8,908   | 10,362  | 8,009   | 7,582   | 7,720   | 7,751   |
| Florida                     | 10,475                     | 11,953  | 10,632  | 10,610  | 10,807  | 9,641   | 9,802   | 9,619   | 9,397   | 10,096  |
| Georgia                     | 18,807                     | 21,903  | 20,114  | 21,972  | 19,394  | 21,506  | 20,433  | 18,218  | 18,875  | 20,786  |
| Kentucky                    | 534                        | 751     | 688     | 599     | 693     | 675     | 637     | 556     | 637     | 715     |
| Louisiana                   | 13,443                     | 13,394  | 11,883  | 11,933  | 12,527  | 13,064  | 11,467  | 10,748  | 9,934   | 11,317  |
| Mississippi                 | 15,354                     | 16,615  | 15,799  | 17,452  | 16,924  | 14,926  | 12,936  | 11,637  | 10,578  | 11,150  |
| North Carolina              | 12,650                     | 11,826  | 10,298  | 12,733  | 12,247  | 9,771   | 9,065   | 8,688   | 8,486   | 9,415   |
| Oklahoma                    | 854                        | 1,568   | 1,484   | 1,610   | 2,060   | 1,818   | 1,272   | 1,118   | 1,669   | 1,466   |
| South Carolina              | 12,435                     | 12,334  | 11,466  | 12,305  | 11,702  | 12,340  | 10,501  | 10,284  | 10,416  | 10,706  |
| Tennessee                   | 3,755                      | 4,025   | 4,188   | 4,479   | 4,345   | 4,463   | 4,891   | 4,685   | 4,284   | 4,463   |
| Texas                       | 5,561                      | 7,412   | 6,347   | 10,585  | 7,314   | 6,019   | 4,195   | 5,843   | 5,720   | 7,124   |
| Virginia                    | 7,162                      | 7,250   | 7,160   | 7,927   | 7,970   | 6,315   | 6,571   | 6,176   | 5,756   | 6,764   |
| All States                  | 130,844                    | 142,336 | 135,605 | 148,435 | 144,235 | 134,585 | 121,316 | 115,729 | 115,009 | 120,974 |
| Residues                    | 49,929                     | 50,078  | 45,887  | 52,468  | 53,095  | 52,900  | 53,898  | 51,340  | 52,603  | 41,039  |
| Total                       | 180,773                    | 192,414 | 181,492 | 200,903 | 197,330 | 187,485 | 175,214 | 167,069 | 167,612 | 162,012 |
| Number of mills             | 104                        | 105     | 105     | 103     | 103     | 97      | 98      | 94      | 92      | 91      |

**Table A.7—Roundwood pulpwood production in Alabama, 2003**

| County <sup>a</sup> | All                   |          |          | All               |          |          |
|---------------------|-----------------------|----------|----------|-------------------|----------|----------|
|                     | species               | Softwood | Hardwood | species           | Softwood | Hardwood |
|                     | <i>standard cords</i> |          |          | <i>green tons</i> |          |          |
| Autauga             | 110,154               | 92,788   | 17,366   | 299,153           | 250,528  | 48,625   |
| Baldwin             | 141,145               | 103,341  | 37,804   | 384,872           | 279,021  | 105,851  |
| Barbour             | 165,450               | 123,680  | 41,770   | 450,892           | 333,936  | 116,956  |
| Bibb                | 98,774                | 67,488   | 31,286   | 269,819           | 182,218  | 87,601   |
| Blount              | 31,301                | 1,910    | 29,391   | 87,452            | 5,157    | 82,295   |
| Bullock             | 97,410                | 91,004   | 6,406    | 263,648           | 245,711  | 17,937   |
| Butler              | 170,838               | 137,140  | 33,698   | 464,632           | 370,278  | 94,354   |
| Calhoun             | 57,843                | 22,765   | 35,078   | 159,684           | 61,466   | 98,218   |
| Chambers            | 100,230               | 46,270   | 53,960   | 276,017           | 124,929  | 151,088  |
| Cherokee            | 56,742                | 46,944   | 9,798    | 154,183           | 126,749  | 27,434   |
| Chilton             | 78,091                | 57,968   | 20,123   | 212,858           | 156,514  | 56,344   |
| Choctaw             | 373,476               | 262,892  | 110,584  | 1,019,443         | 709,808  | 309,635  |
| Clarke              | 496,313               | 298,545  | 197,768  | 1,359,822         | 806,072  | 553,750  |
| Clay                | 80,003                | 51,134   | 28,869   | 218,895           | 138,062  | 80,833   |
| Cleburne            | 101,032               | 77,536   | 23,496   | 275,136           | 209,347  | 65,789   |
| Coffee              | 112,037               | 83,193   | 28,844   | 305,384           | 224,621  | 80,763   |
| Colbert             | 50,802                | 32,836   | 17,966   | 138,962           | 88,657   | 50,305   |
| Conecuh             | 232,233               | 179,783  | 52,450   | 632,274           | 485,414  | 146,860  |
| Coosa               | 136,033               | 91,212   | 44,821   | 371,771           | 246,272  | 125,499  |
| Covington           | 129,398               | 104,005  | 25,393   | 351,914           | 280,814  | 71,100   |
| Crenshaw            | 114,427               | 92,305   | 22,122   | 311,166           | 249,224  | 61,942   |
| Cullman             | 34,186                | 9,821    | 24,365   | 94,739            | 26,517   | 68,222   |
| Dale                | 52,430                | 27,873   | 24,557   | 144,017           | 75,257   | 68,760   |
| Dallas              | 155,007               | 118,061  | 36,946   | 422,214           | 318,765  | 103,449  |
| De Kalb             | 39,990                | 13,692   | 26,298   | 110,602           | 36,968   | 73,634   |
| Elmore              | 85,408                | 73,659   | 11,749   | 231,776           | 198,879  | 32,897   |
| Escambia            | 165,823               | 114,287  | 51,536   | 452,876           | 308,575  | 144,301  |
| Etowah              | 25,455                | 10,891   | 14,564   | 70,185            | 29,406   | 40,779   |
| Fayette             | 58,609                | 27,303   | 31,306   | 161,375           | 73,718   | 87,657   |
| Franklin            | 61,595                | 36,601   | 24,994   | 168,806           | 98,823   | 69,983   |
| Geneva              | 66,005                | 58,328   | 7,677    | 178,982           | 157,486  | 21,496   |
| Greene              | 64,359                | 31,158   | 33,201   | 177,090           | 84,127   | 92,963   |
| Hale                | 79,052                | 45,813   | 33,239   | 216,764           | 123,695  | 93,069   |
| Henry               | 67,187                | 34,304   | 32,883   | 184,693           | 92,621   | 92,072   |
| Houston             | 42,435                | 26,513   | 15,922   | 116,167           | 71,585   | 44,582   |
| Jackson             | 75,573                | 17,589   | 57,984   | 209,845           | 47,490   | 162,355  |
| Jefferson           | 30,573                | 14,678   | 15,895   | 84,137            | 39,631   | 44,506   |
| Lamar               | 23,644                | 20,206   | 3,438    | 64,182            | 54,556   | 9,626    |
| Lauderdale          | 29,163                | 4,851    | 24,312   | 81,172            | 13,098   | 68,074   |
| Lawrence            | 34,317                | 14,818   | 19,499   | 94,606            | 40,009   | 54,597   |
| Lee                 | 68,668                | 46,110   | 22,558   | 187,659           | 124,497  | 63,162   |
| Limestone           | 18,298                | 10,263   | 8,035    | 50,208            | 27,710   | 22,498   |
| Lowndes             | 62,814                | 44,349   | 18,465   | 171,444           | 119,742  | 51,702   |
| Macon               | 47,619                | 32,974   | 14,645   | 130,036           | 89,030   | 41,006   |
| Madison             | 7,253                 | 2,138    | 5,115    | 20,095            | 5,773    | 14,322   |
| Marengo             | 212,547               | 133,262  | 79,285   | 581,805           | 359,807  | 221,998  |
| Marion              | 113,916               | 89,145   | 24,771   | 310,051           | 240,692  | 69,359   |
| Marshall            | 26,462                | 627      | 25,835   | 74,031            | 1,693    | 72,338   |
| Mobile              | 97,727                | 33,240   | 64,487   | 270,312           | 89,748   | 180,564  |
| Monroe              | 339,069               | 251,356  | 87,713   | 924,257           | 678,661  | 245,596  |
| Montgomery          | 84,541                | 43,116   | 41,425   | 232,403           | 116,413  | 115,990  |
| Morgan              | 31,798                | 5,444    | 26,354   | 88,490            | 14,699   | 73,791   |

*continued*

**Table A.7—Roundwood pulpwood production in Alabama, 2003 (continued)**

| County <sup>a</sup> | All                   |           |           | All               |            |           |
|---------------------|-----------------------|-----------|-----------|-------------------|------------|-----------|
|                     | species               | Softwood  | Hardwood  | species           | Softwood   | Hardwood  |
|                     | <i>standard cords</i> |           |           | <i>green tons</i> |            |           |
| Perry               | 143,926               | 107,235   | 36,691    | 392,270           | 289,535    | 102,735   |
| Pickens             | 32,311                | 17,576    | 14,735    | 88,713            | 47,455     | 41,258    |
| Pike                | 152,490               | 115,885   | 36,605    | 415,384           | 312,890    | 102,494   |
| Randolph            | 73,149                | 54,264    | 18,885    | 199,391           | 146,513    | 52,878    |
| Russell             | 107,005               | 66,687    | 40,318    | 292,945           | 180,055    | 112,890   |
| Shelby              | 58,229                | 43,107    | 15,122    | 158,731           | 116,389    | 42,342    |
| St. Clair           | 67,283                | 23,868    | 43,415    | 186,006           | 64,444     | 121,562   |
| Sumter              | 180,437               | 112,091   | 68,346    | 494,015           | 302,646    | 191,369   |
| Talladega           | 56,578                | 45,092    | 11,486    | 153,909           | 121,748    | 32,161    |
| Tallapoosa          | 181,272               | 141,260   | 40,012    | 493,436           | 381,402    | 112,034   |
| Tuscaloosa          | 78,260                | 21,378    | 56,882    | 216,991           | 57,721     | 159,270   |
| Walker              | 165,024               | 110,837   | 54,187    | 450,984           | 299,260    | 151,724   |
| Washington          | 125,783               | 69,877    | 55,906    | 345,205           | 188,668    | 156,537   |
| Wilcox              | 282,295               | 220,671   | 61,624    | 768,359           | 595,812    | 172,547   |
| Winston             | 92,413                | 58,622    | 33,791    | 252,894           | 158,279    | 94,615    |
| All counties        | 7,031,710             | 4,665,659 | 2,366,051 | 19,222,229        | 12,597,286 | 6,624,943 |

<sup>a</sup> Counties with no pulpwood production are omitted.

**Table A.8—Roundwood pulpwood production in Arkansas, 2003**

| County <sup>a</sup> | All                   |          |          | All               |          |          |
|---------------------|-----------------------|----------|----------|-------------------|----------|----------|
|                     | species               | Softwood | Hardwood | species           | Softwood | Hardwood |
|                     | <i>standard cords</i> |          |          | <i>green tons</i> |          |          |
| Arkansas            | 12,914                | 5,116    | 7,798    | 35,647            | 13,813   | 21,834   |
| Ashley              | 195,162               | 124,551  | 70,611   | 533,999           | 336,288  | 197,711  |
| Baxter              | 14                    | 14       | 0        | 38                | 38       | 0        |
| Bradley             | 150,166               | 82,908   | 67,258   | 412,174           | 223,852  | 188,322  |
| Calhoun             | 67,583                | 41,826   | 25,757   | 185,050           | 112,930  | 72,120   |
| Carroll             | 95                    | 0        | 95       | 266               | 0        | 266      |
| Chicot              | 11,473                | 3,100    | 8,373    | 31,814            | 8,370    | 23,444   |
| Clark               | 110,971               | 73,301   | 37,670   | 303,389           | 197,913  | 105,476  |
| Clay                | 11                    | 0        | 11       | 31                | 0        | 31       |
| Cleburne            | 32,145                | 24,043   | 8,102    | 87,602            | 64,916   | 22,686   |
| Cleveland           | 36,564                | 21,438   | 15,126   | 100,236           | 57,883   | 42,353   |
| Columbia            | 77,898                | 45,983   | 31,915   | 213,516           | 124,154  | 89,362   |
| Conway              | 14,707                | 14,701   | 6        | 39,710            | 39,693   | 17       |
| Craighead           | 6,014                 | 0        | 6,014    | 16,839            | 0        | 16,839   |
| Crawford            | 378                   | 378      | 0        | 1,021             | 1,021    | 0        |
| Cross               | 447                   | 6        | 441      | 1,251             | 16       | 1,235    |
| Dallas              | 66,993                | 29,183   | 37,810   | 184,662           | 78,794   | 105,868  |
| Desha               | 41,342                | 260      | 41,082   | 115,732           | 702      | 115,030  |
| Drew                | 236,482               | 178,296  | 58,186   | 644,320           | 481,399  | 162,921  |
| Faulkner            | 15,848                | 12,791   | 3,057    | 43,096            | 34,536   | 8,560    |
| Franklin            | 1,772                 | 798      | 974      | 4,882             | 2,155    | 2,727    |
| Garland             | 10,441                | 7,271    | 3,170    | 28,508            | 19,632   | 8,876    |
| Grant               | 120,918               | 119,249  | 1,669    | 326,645           | 321,972  | 4,673    |
| Greene              | 21                    | 21       | 0        | 57                | 57       | 0        |
| Hempstead           | 75,069                | 48,646   | 26,423   | 205,328           | 131,344  | 73,984   |
| Hot Spring          | 29,447                | 27,991   | 1,456    | 79,653            | 75,576   | 4,077    |
| Howard              | 153,820               | 138,648  | 15,172   | 416,832           | 374,350  | 42,482   |
| Independence        | 28,023                | 4,527    | 23,496   | 78,012            | 12,223   | 65,789   |
| Izard               | 941                   | 941      | 0        | 2,541             | 2,541    | 0        |
| Jackson             | 233                   | 144      | 89       | 638               | 389      | 249      |
| Jefferson           | 28,795                | 25,852   | 2,943    | 78,040            | 69,800   | 8,240    |
| Johnson             | 29,151                | 4,616    | 24,535   | 81,161            | 12,463   | 68,698   |
| Lafayette           | 70,367                | 51,498   | 18,869   | 191,878           | 139,045  | 52,833   |
| Lee                 | 4,064                 | 1,628    | 2,436    | 11,217            | 4,396    | 6,821    |
| Lincoln             | 79,221                | 10,914   | 68,307   | 220,728           | 29,468   | 191,260  |
| Little River        | 112,042               | 59,138   | 52,904   | 307,804           | 159,673  | 148,131  |
| Logan               | 17,092                | 17,092   | 0        | 46,148            | 46,148   | 0        |
| Lonoke              | 27,349                | 26,385   | 964      | 73,939            | 71,240   | 2,699    |
| Madison             | 3,519                 | 10       | 3,509    | 9,852             | 27       | 9,825    |
| Marion              | 745                   | 65       | 680      | 2,080             | 176      | 1,904    |
| Miller              | 38,889                | 12,410   | 26,479   | 107,648           | 33,507   | 74,141   |
| Mississippi         | 336                   | 0        | 336      | 941               | 0        | 941      |
| Monroe              | 638                   | 131      | 507      | 1,774             | 354      | 1,420    |
| Montgomery          | 17,454                | 15,636   | 1,818    | 47,307            | 42,217   | 5,090    |
| Nevada              | 100,960               | 54,400   | 46,560   | 277,248           | 146,880  | 130,368  |
| Newton              | 434                   | 53       | 381      | 1,210             | 143      | 1,067    |
| Ouachita            | 87,018                | 55,047   | 31,971   | 238,146           | 148,627  | 89,519   |

*continued*

**Table A.8—Roundwood pulpwood production in Arkansas, 2003 (continued)**

| County <sup>a</sup> | All species           | Softwood  | Hardwood  | All species       | Softwood  | Hardwood  |
|---------------------|-----------------------|-----------|-----------|-------------------|-----------|-----------|
|                     | <i>standard cords</i> |           |           | <i>green tons</i> |           |           |
| Perry               | 25,659                | 25,586    | 73        | 69,286            | 69,082    | 204       |
| Phillips            | 1,287                 | 254       | 1,033     | 3,578             | 686       | 2,892     |
| Pike                | 87,550                | 76,622    | 10,928    | 237,477           | 206,879   | 30,598    |
| Poinsett            | 9                     | 0         | 9         | 25                | 0         | 25        |
| Polk                | 57,908                | 24,532    | 33,376    | 159,689           | 66,236    | 93,453    |
| Pope                | 14,854                | 14,854    | 0         | 40,106            | 40,106    | 0         |
| Prairie             | 11,500                | 9,340     | 2,160     | 31,266            | 25,218    | 6,048     |
| Pulaski             | 13,405                | 13,266    | 139       | 36,207            | 35,818    | 389       |
| Saline              | 44,979                | 41,758    | 3,221     | 121,766           | 112,747   | 9,019     |
| Scott               | 53,217                | 10,528    | 42,689    | 147,955           | 28,426    | 119,529   |
| Searcy              | 2,086                 | 1,948     | 138       | 5,646             | 5,260     | 386       |
| Sebastian           | 711                   | 147       | 564       | 1,976             | 397       | 1,579     |
| Sevier              | 63,101                | 40,288    | 22,813    | 172,654           | 108,778   | 63,876    |
| Sharp               | 554                   | 554       | 0         | 1,496             | 1,496     | 0         |
| St. Francis         | 2,165                 | 1,031     | 1,134     | 5,959             | 2,784     | 3,175     |
| Stone               | 11,874                | 4,052     | 7,822     | 32,842            | 10,940    | 21,902    |
| Union               | 233,744               | 105,527   | 128,217   | 643,931           | 284,923   | 359,008   |
| Van Buren           | 17,096                | 17,075    | 21        | 46,162            | 46,103    | 59        |
| Washington          | 9                     | 0         | 9         | 25                | 0         | 25        |
| White               | 30,324                | 26,509    | 3,815     | 82,256            | 71,574    | 10,682    |
| Woodruff            | 289                   | 289       | 0         | 780               | 780       | 0         |
| Yell                | 43,811                | 29,518    | 14,293    | 119,719           | 79,699    | 40,020    |
| All counties        | 2,832,098             | 1,784,684 | 1,047,414 | 7,751,411         | 4,818,653 | 2,932,758 |

<sup>a</sup> Counties with no pulpwood production are omitted.



**Table A.9—Roundwood pulpwood production in Florida, 2003**

| County <sup>a</sup> | All species           |           |         | All species       |           |           |
|---------------------|-----------------------|-----------|---------|-------------------|-----------|-----------|
|                     | Softwood              | Hardwood  |         | Softwood          | Hardwood  |           |
|                     | <i>standard cords</i> |           |         | <i>green tons</i> |           |           |
| Alachua             | 129,870               | 88,261    | 41,609  | 354,810           | 238,305   | 116,505   |
| Baker               | 127,089               | 120,765   | 6,324   | 343,773           | 326,066   | 17,707    |
| Bay                 | 131,524               | 125,357   | 6,167   | 355,732           | 338,464   | 17,268    |
| Bradford            | 43,850                | 42,379    | 1,471   | 118,542           | 114,423   | 4,119     |
| Brevard             | 1,535                 | 1,150     | 385     | 4,183             | 3,105     | 1,078     |
| Broward             | 212                   | 0         | 212     | 594               | 0         | 594       |
| Calhoun             | 144,154               | 136,518   | 7,636   | 389,980           | 368,599   | 21,381    |
| Citrus              | 9,039                 | 8,246     | 793     | 24,484            | 22,264    | 2,220     |
| Clay                | 109,185               | 106,533   | 2,652   | 295,065           | 287,639   | 7,426     |
| Columbia            | 125,142               | 123,350   | 1,792   | 338,063           | 333,045   | 5,018     |
| Dixie               | 126,510               | 100,340   | 26,170  | 344,194           | 270,918   | 73,276    |
| Duval               | 78,469                | 71,904    | 6,565   | 212,523           | 194,141   | 18,382    |
| Escambia            | 118,111               | 102,679   | 15,432  | 320,443           | 277,233   | 43,210    |
| Flagler             | 60,856                | 48,255    | 12,601  | 165,572           | 130,289   | 35,283    |
| Franklin            | 16,535                | 16,535    | 0       | 44,645            | 44,645    | 0         |
| Gadsden             | 82,099                | 68,792    | 13,307  | 222,998           | 185,738   | 37,260    |
| Gilchrist           | 38,854                | 33,780    | 5,074   | 105,413           | 91,206    | 14,207    |
| Gulf                | 129,762               | 124,024   | 5,738   | 350,931           | 334,865   | 16,066    |
| Hamilton            | 135,056               | 132,323   | 2,733   | 364,924           | 357,272   | 7,652     |
| Hardee              | 3,065                 | 2,978     | 87      | 8,285             | 8,041     | 244       |
| Hendry              | 9,188                 | 9,188     | 0       | 24,808            | 24,808    | 0         |
| Hernando            | 8,853                 | 4,534     | 4,319   | 24,335            | 12,242    | 12,093    |
| Highlands           | 18                    | 18        | 0       | 49                | 49        | 0         |
| Hillsborough        | 230                   | 0         | 230     | 644               | 0         | 644       |
| Holmes              | 62,276                | 52,644    | 9,632   | 169,109           | 142,139   | 26,970    |
| Jackson             | 152,826               | 127,501   | 25,325  | 415,163           | 344,253   | 70,910    |
| Jefferson           | 61,272                | 49,556    | 11,716  | 166,606           | 133,801   | 32,805    |
| Lafayette           | 67,648                | 56,016    | 11,632  | 183,813           | 151,243   | 32,570    |
| Lake                | 4,476                 | 4,142     | 334     | 12,118            | 11,183    | 935       |
| Leon                | 71,430                | 61,955    | 9,475   | 193,809           | 167,279   | 26,530    |
| Levy                | 124,323               | 112,118   | 12,205  | 336,893           | 302,719   | 34,174    |
| Liberty             | 111,590               | 106,412   | 5,178   | 301,810           | 287,312   | 14,498    |
| Madison             | 150,608               | 144,389   | 6,219   | 407,263           | 389,850   | 17,413    |
| Marion              | 74,654                | 70,083    | 4,571   | 202,023           | 189,224   | 12,799    |
| Martin              | 52                    | 25        | 27      | 144               | 68        | 76        |
| Nassau              | 137,034               | 136,374   | 660     | 370,058           | 368,210   | 1,848     |
| Okaloosa            | 51,878                | 48,985    | 2,893   | 140,360           | 132,260   | 8,100     |
| Orange              | 1,944                 | 1,693     | 251     | 5,274             | 4,571     | 703       |
| Osceola             | 5,793                 | 5,132     | 661     | 15,707            | 13,856    | 1,851     |
| Palm Beach          | 135                   | 0         | 135     | 378               | 0         | 378       |
| Pasco               | 999                   | 745       | 254     | 2,723             | 2,012     | 711       |
| Polk                | 4,322                 | 3,556     | 766     | 11,746            | 9,601     | 2,145     |
| Putnam              | 132,742               | 109,957   | 22,785  | 360,682           | 296,884   | 63,798    |
| Santa Rosa          | 109,240               | 97,184    | 12,056  | 296,154           | 262,397   | 33,757    |
| Sarasota            | 893                   | 307       | 586     | 2,470             | 829       | 1,641     |
| Seminole            | 7,502                 | 5,390     | 2,112   | 20,467            | 14,553    | 5,914     |
| St. Johns           | 92,334                | 83,915    | 8,419   | 250,144           | 226,571   | 23,573    |
| St. Lucie           | 869                   | 18        | 851     | 2,432             | 49        | 2,383     |
| Sumter              | 2,938                 | 2,079     | 859     | 8,018             | 5,613     | 2,405     |
| Suwannee            | 82,242                | 77,350    | 4,892   | 222,543           | 208,845   | 13,698    |
| Taylor              | 259,116               | 249,905   | 9,211   | 700,535           | 674,744   | 25,791    |
| Union               | 72,551                | 71,419    | 1,132   | 196,001           | 192,831   | 3,170     |
| Volusia             | 26,504                | 22,339    | 4,165   | 71,977            | 60,315    | 11,662    |
| Wakulla             | 39,660                | 27,859    | 11,801  | 108,262           | 75,219    | 33,043    |
| Walton              | 92,447                | 87,904    | 4,543   | 250,061           | 237,341   | 12,720    |
| Washington          | 94,479                | 83,629    | 10,850  | 256,178           | 225,798   | 30,380    |
| All counties        | 3,725,983             | 3,368,490 | 357,493 | 10,095,911        | 9,094,927 | 1,000,984 |

<sup>a</sup> Counties with no pulpwood production are omitted.

Table A.10—Roundwood pulpwood production in Georgia, 2003

| County <sup>a</sup> | All species           | Softwood | Hardwood | All species       | Softwood | Hardwood |
|---------------------|-----------------------|----------|----------|-------------------|----------|----------|
|                     | <i>standard cords</i> |          |          | <i>green tons</i> |          |          |
| Appling             | 98,679                | 84,029   | 14,650   | 267,898           | 226,878  | 41,020   |
| Atkinson            | 43,085                | 42,929   | 156      | 116,345           | 115,908  | 437      |
| Bacon               | 52,081                | 40,463   | 11,618   | 141,780           | 109,250  | 32,530   |
| Baker               | 36,958                | 25,114   | 11,844   | 100,971           | 67,808   | 33,163   |
| Baldwin             | 25,569                | 20,351   | 5,218    | 69,558            | 54,948   | 14,610   |
| Banks               | 1,870                 | 397      | 1,473    | 5,196             | 1,072    | 4,124    |
| Barrow              | 1,001                 | 0        | 1,001    | 2,803             | 0        | 2,803    |
| Bartow              | 59,165                | 47,792   | 11,373   | 160,882           | 129,038  | 31,844   |
| Ben Hill            | 20,442                | 5,893    | 14,549   | 56,648            | 15,911   | 40,737   |
| Berrien             | 5,149                 | 5,149    | 0        | 13,902            | 13,902   | 0        |
| Bibb                | 16,938                | 13,959   | 2,979    | 46,030            | 37,689   | 8,341    |
| Bleckley            | 9,349                 | 9,257    | 92       | 25,252            | 24,994   | 258      |
| Brantley            | 110,340               | 105,936  | 4,404    | 298,358           | 286,027  | 12,331   |
| Brooks              | 49,012                | 44,635   | 4,377    | 132,771           | 120,515  | 12,256   |
| Bryan               | 59,807                | 46,659   | 13,148   | 162,793           | 125,979  | 36,814   |
| Bulloch             | 64,661                | 51,192   | 13,469   | 175,931           | 138,218  | 37,713   |
| Burke               | 158,407               | 101,330  | 57,077   | 433,407           | 273,591  | 159,816  |
| Butts               | 300                   | 300      | 0        | 810               | 810      | 0        |
| Calhoun             | 39,535                | 32,782   | 6,753    | 107,419           | 88,511   | 18,908   |
| Camden              | 90,633                | 89,855   | 778      | 244,787           | 242,609  | 2,178    |
| Candler             | 55,269                | 48,364   | 6,905    | 149,917           | 130,583  | 19,334   |
| Carroll             | 126,947               | 120,747  | 6,200    | 343,377           | 326,017  | 17,360   |
| Catoosa             | 2,943                 | 1,598    | 1,345    | 8,081             | 4,315    | 3,766    |
| Charlton            | 97,565                | 97,514   | 51       | 263,431           | 263,288  | 143      |
| Chatham             | 103,141               | 82,445   | 20,696   | 280,551           | 222,602  | 57,949   |
| Chattahoochee       | 43,376                | 32,542   | 10,834   | 118,198           | 87,863   | 30,335   |
| Chattooga           | 39,726                | 36,299   | 3,427    | 107,603           | 98,007   | 9,596    |
| Cherokee            | 83,483                | 77,808   | 5,675    | 225,972           | 210,082  | 15,890   |
| Clarke              | 10                    | 10       | 0        | 27                | 27       | 0        |
| Clay                | 51,239                | 43,396   | 7,843    | 139,129           | 117,169  | 21,960   |
| Clayton             | 550                   | 484      | 66       | 1,492             | 1,307    | 185      |
| Clinch              | 196,816               | 187,443  | 9,373    | 532,340           | 506,096  | 26,244   |
| Cobb                | 2,755                 | 1,868    | 887      | 7,528             | 5,044    | 2,484    |
| Coffee              | 85,685                | 78,054   | 7,631    | 232,113           | 210,746  | 21,367   |
| Colquitt            | 39,796                | 36,189   | 3,607    | 107,810           | 97,710   | 10,100   |
| Columbia            | 39,151                | 20,975   | 18,176   | 107,526           | 56,633   | 50,893   |
| Cook                | 5,372                 | 5,356    | 16       | 14,506            | 14,461   | 45       |
| Coweta              | 97,131                | 92,588   | 4,543    | 262,708           | 249,988  | 12,720   |
| Crawford            | 76,233                | 49,499   | 26,734   | 208,502           | 133,647  | 74,855   |
| Crisp               | 29,592                | 15,508   | 14,084   | 81,307            | 41,872   | 39,435   |
| Dade                | 8,101                 | 2,484    | 5,617    | 22,435            | 6,707    | 15,728   |
| Dawson              | 16,659                | 15,867   | 792      | 45,059            | 42,841   | 2,218    |
| Decatur             | 114,137               | 85,157   | 28,980   | 311,068           | 229,924  | 81,144   |
| De Kalb             | 15                    | 15       | 0        | 41                | 41       | 0        |
| Dodge               | 91,366                | 56,295   | 35,071   | 250,196           | 151,997  | 98,199   |
| Dooly               | 94,314                | 89,554   | 4,760    | 255,124           | 241,796  | 13,328   |
| Dougherty           | 36,411                | 26,413   | 9,998    | 99,309            | 71,315   | 27,994   |
| Douglas             | 2,224                 | 1,604    | 620      | 6,067             | 4,331    | 1,736    |
| Early               | 85,919                | 71,871   | 14,048   | 233,386           | 194,052  | 39,334   |
| Echols              | 82,329                | 82,329   | 0        | 222,288           | 222,288  | 0        |
| Effingham           | 85,013                | 68,550   | 16,463   | 231,181           | 185,085  | 46,096   |
| Elbert              | 8,686                 | 8,612    | 74       | 23,459            | 23,252   | 207      |
| Emanuel             | 121,929               | 103,982  | 17,947   | 331,003           | 280,751  | 50,252   |
| Evans               | 45,529                | 34,847   | 10,682   | 123,997           | 94,087   | 29,910   |

*continued*

**Table A.10—Roundwood pulpwood production in Georgia, 2003 (continued)**

| County <sup>a</sup> | All species           | Softwood | Hardwood | All species       | Softwood | Hardwood |
|---------------------|-----------------------|----------|----------|-------------------|----------|----------|
|                     | <i>standard cords</i> |          |          | <i>green tons</i> |          |          |
| Fannin              | 8,978                 | 6,837    | 2,141    | 24,455            | 18,460   | 5,995    |
| Fayette             | 1,129                 | 1,103    | 26       | 3,051             | 2,978    | 73       |
| Floyd               | 126,160               | 114,195  | 11,965   | 341,829           | 308,327  | 33,502   |
| Forsyth             | 14,951                | 11,116   | 3,835    | 40,751            | 30,013   | 10,738   |
| Franklin            | 121                   | 121      | 0        | 327               | 327      | 0        |
| Fulton              | 14,899                | 14,212   | 687      | 40,296            | 38,372   | 1,924    |
| Gilmer              | 14,455                | 13,517   | 938      | 39,122            | 36,496   | 2,626    |
| Glascocock          | 21,092                | 12,648   | 8,444    | 57,793            | 34,150   | 23,643   |
| Glynn               | 101,095               | 100,894  | 201      | 272,977           | 272,414  | 563      |
| Gordon              | 31,160                | 25,793   | 5,367    | 84,669            | 69,641   | 15,028   |
| Grady               | 57,416                | 39,042   | 18,374   | 156,860           | 105,413  | 51,447   |
| Greene              | 11,575                | 3,790    | 7,785    | 32,031            | 10,233   | 21,798   |
| Gwinnett            | 11,342                | 10,898   | 444      | 30,668            | 29,425   | 1,243    |
| Habersham           | 19,014                | 19,014   | 0        | 51,338            | 51,338   | 0        |
| Hall                | 5,313                 | 5,313    | 0        | 14,345            | 14,345   | 0        |
| Hancock             | 55,509                | 30,842   | 24,667   | 152,341           | 83,273   | 69,068   |
| Haralson            | 39,927                | 38,721   | 1,206    | 107,924           | 104,547  | 3,377    |
| Harris              | 77,345                | 61,954   | 15,391   | 210,371           | 167,276  | 43,095   |
| Heard               | 94,825                | 93,909   | 916      | 256,119           | 253,554  | 2,565    |
| Henry               | 12,942                | 9,853    | 3,089    | 35,252            | 26,603   | 8,649    |
| Houston             | 62,028                | 59,598   | 2,430    | 167,719           | 160,915  | 6,804    |
| Irwin               | 20,757                | 20,757   | 0        | 56,044            | 56,044   | 0        |
| Jackson             | 627                   | 627      | 0        | 1,693             | 1,693    | 0        |
| Jasper              | 26,878                | 23,767   | 3,111    | 72,882            | 64,171   | 8,711    |
| Jeff Davis          | 183,035               | 65,170   | 117,865  | 505,981           | 175,959  | 330,022  |
| Jefferson           | 73,183                | 45,214   | 27,969   | 200,391           | 122,078  | 78,313   |
| Jenkins             | 83,001                | 63,897   | 19,104   | 226,013           | 172,522  | 53,491   |
| Johnson             | 41,126                | 33,300   | 7,826    | 111,823           | 89,910   | 21,913   |
| Jones               | 4,057                 | 3,855    | 202      | 10,975            | 10,409   | 566      |
| Lamar               | 9,527                 | 6,882    | 2,645    | 25,987            | 18,581   | 7,406    |
| Lanier              | 16,161                | 16,134   | 27       | 43,638            | 43,562   | 76       |
| Laurens             | 64,667                | 50,326   | 14,341   | 176,035           | 135,880  | 40,155   |
| Lee                 | 62,395                | 39,907   | 22,488   | 170,715           | 107,749  | 62,966   |
| Liberty             | 111,744               | 91,658   | 20,086   | 303,718           | 247,477  | 56,241   |
| Lincoln             | 15,209                | 9,345    | 5,864    | 41,651            | 25,232   | 16,419   |
| Long                | 113,660               | 90,981   | 22,679   | 309,150           | 245,649  | 63,501   |
| Lowndes             | 36,957                | 34,546   | 2,411    | 100,025           | 93,274   | 6,751    |
| Lumpkin             | 7,703                 | 7,703    | 0        | 20,798            | 20,798   | 0        |
| Macon               | 103,923               | 75,718   | 28,205   | 283,413           | 204,439  | 78,974   |
| Marion              | 74,918                | 68,152   | 6,766    | 202,955           | 184,010  | 18,945   |
| McDuffie            | 11,063                | 4,995    | 6,068    | 30,477            | 13,487   | 16,990   |
| McIntosh            | 67,640                | 54,133   | 13,507   | 183,979           | 146,159  | 37,820   |
| Meriwether          | 54,274                | 50,951   | 3,323    | 146,872           | 137,568  | 9,304    |
| Miller              | 15,518                | 12,306   | 3,212    | 42,220            | 33,226   | 8,994    |
| Mitchell            | 91,933                | 71,265   | 20,668   | 250,286           | 192,416  | 57,870   |
| Monroe              | 72,283                | 59,914   | 12,369   | 196,401           | 161,768  | 34,633   |
| Montgomery          | 40,402                | 28,966   | 11,436   | 110,229           | 78,208   | 32,021   |
| Morgan              | 25,020                | 24,692   | 328      | 67,586            | 66,668   | 918      |
| Murray              | 49,272                | 31,922   | 17,350   | 134,769           | 86,189   | 48,580   |
| Muscogee            | 36,007                | 33,326   | 2,681    | 97,487            | 89,980   | 7,507    |
| Newton              | 7,972                 | 7,779    | 193      | 21,543            | 21,003   | 540      |

*continued*

**Table A.10—Roundwood pulpwood production in Georgia, 2003 (continued)**

| County <sup>a</sup> | All species           | Softwood  | Hardwood  | All species       | Softwood   | Hardwood  |
|---------------------|-----------------------|-----------|-----------|-------------------|------------|-----------|
|                     | <i>standard cords</i> |           |           | <i>green tons</i> |            |           |
| Oconee              | 3,557                 | 2,921     | 636       | 9,668             | 7,887      | 1,781     |
| Oglethorpe          | 7,690                 | 2,909     | 4,781     | 21,241            | 7,854      | 13,387    |
| Paulding            | 64,260                | 56,085    | 8,175     | 174,320           | 151,430    | 22,890    |
| Peach               | 1,350                 | 1,350     | 0         | 3,645             | 3,645      | 0         |
| Pickens             | 45,146                | 43,473    | 1,673     | 122,061           | 117,377    | 4,684     |
| Pierce              | 41,464                | 34,212    | 7,252     | 112,678           | 92,372     | 20,306    |
| Pike                | 10,852                | 10,595    | 257       | 29,327            | 28,607     | 720       |
| Polk                | 46,205                | 41,019    | 5,186     | 125,272           | 110,751    | 14,521    |
| Pulaski             | 37,468                | 32,234    | 5,234     | 101,687           | 87,032     | 14,655    |
| Putnam              | 20,212                | 17,890    | 2,322     | 54,805            | 48,303     | 6,502     |
| Quitman             | 39,530                | 34,366    | 5,164     | 107,247           | 92,788     | 14,459    |
| Rabun               | 11                    | 0         | 11        | 31                | 0          | 31        |
| Randolph            | 112,600               | 95,480    | 17,120    | 305,732           | 257,796    | 47,936    |
| Richmond            | 48,048                | 22,517    | 25,531    | 132,283           | 60,796     | 71,487    |
| Rockdale            | 197                   | 197       | 0         | 532               | 532        | 0         |
| Schley              | 63,005                | 56,627    | 6,378     | 170,751           | 152,893    | 17,858    |
| Screven             | 129,141               | 94,884    | 34,257    | 352,107           | 256,187    | 95,920    |
| Seminole            | 28,002                | 26,242    | 1,760     | 75,781            | 70,853     | 4,928     |
| Spalding            | 2,124                 | 1,425     | 699       | 5,805             | 3,848      | 1,957     |
| Stewart             | 152,038               | 111,088   | 40,950    | 414,598           | 299,938    | 114,660   |
| Sumter              | 95,116                | 64,000    | 31,116    | 259,925           | 172,800    | 87,125    |
| Talbot              | 67,525                | 56,190    | 11,335    | 183,451           | 151,713    | 31,738    |
| Taliaferro          | 7,422                 | 3,326     | 4,096     | 20,449            | 8,980      | 11,469    |
| Tattnall            | 51,198                | 40,880    | 10,318    | 139,266           | 110,376    | 28,890    |
| Taylor              | 80,269                | 50,833    | 29,436    | 219,670           | 137,249    | 82,421    |
| Telfair             | 82,769                | 71,891    | 10,878    | 224,564           | 194,106    | 30,458    |
| Terrell             | 71,466                | 56,794    | 14,672    | 194,426           | 153,344    | 41,082    |
| Thomas              | 64,572                | 50,675    | 13,897    | 175,735           | 136,823    | 38,912    |
| Tift                | 5,188                 | 5,161     | 27        | 14,011            | 13,935     | 76        |
| Toombs              | 71,391                | 64,087    | 7,304     | 193,486           | 173,035    | 20,451    |
| Towns               | 1,067                 | 1,067     | 0         | 2,881             | 2,881      | 0         |
| Treutlen            | 43,772                | 36,002    | 7,770     | 118,961           | 97,205     | 21,756    |
| Troup               | 43,813                | 19,497    | 24,316    | 120,727           | 52,642     | 68,085    |
| Turner              | 6,947                 | 6,947     | 0         | 18,757            | 18,757     | 0         |
| Twiggs              | 48,161                | 45,135    | 3,026     | 130,338           | 121,865    | 8,473     |
| Union               | 3,196                 | 2,949     | 247       | 8,654             | 7,962      | 692       |
| Upton               | 42,568                | 39,019    | 3,549     | 115,288           | 105,351    | 9,937     |
| Walker              | 15,273                | 10,867    | 4,406     | 41,678            | 29,341     | 12,337    |
| Walton              | 1,739                 | 1,739     | 0         | 4,695             | 4,695      | 0         |
| Ware                | 115,815               | 115,815   | 0         | 312,701           | 312,701    | 0         |
| Warren              | 42,261                | 23,973    | 18,288    | 115,933           | 64,727     | 51,206    |
| Washington          | 122,317               | 82,031    | 40,286    | 334,285           | 221,484    | 112,801   |
| Wayne               | 137,183               | 122,654   | 14,529    | 371,847           | 331,166    | 40,681    |
| Webster             | 74,817                | 66,508    | 8,309     | 202,837           | 179,572    | 23,265    |
| Wheeler             | 68,972                | 56,926    | 12,046    | 187,429           | 153,700    | 33,729    |
| White               | 3,939                 | 3,496     | 443       | 10,679            | 9,439      | 1,240     |
| Whitfield           | 34,688                | 28,638    | 6,050     | 94,263            | 77,323     | 16,940    |
| Wilcox              | 43,473                | 41,516    | 1,957     | 117,573           | 112,093    | 5,480     |
| Wilkes              | 34,990                | 10,788    | 24,202    | 96,894            | 29,128     | 67,766    |
| Wilkinson           | 66,805                | 49,683    | 17,122    | 182,086           | 134,144    | 47,942    |
| Worth               | 28,210                | 27,645    | 565       | 76,224            | 74,642     | 1,582     |
| All counties        | 7,644,403             | 6,188,093 | 1,456,310 | 20,785,530        | 16,707,859 | 4,077,671 |

<sup>a</sup> Counties with no pulpwood production are omitted.

**Table A.11—Roundwood pulpwood production in Kentucky, 2003**

| County <sup>a</sup> | All species           | Softwood | Hardwood | All species       | Softwood | Hardwood |
|---------------------|-----------------------|----------|----------|-------------------|----------|----------|
|                     | <i>standard cords</i> |          |          | <i>green tons</i> |          |          |
| Anderson            | 9                     | 0        | 9        | 25                | 0        | 25       |
| Ballard             | 5,853                 | 1,182    | 4,671    | 16,270            | 3,191    | 13,079   |
| Boyd                | 709                   | 465      | 244      | 1,939             | 1,256    | 683      |
| Breathitt           | 181                   | 0        | 181      | 507               | 0        | 507      |
| Breckinridge        | 13,600                | 0        | 13,600   | 38,080            | 0        | 38,080   |
| Butler              | 12,572                | 139      | 12,433   | 35,187            | 375      | 34,812   |
| Caldwell            | 8,113                 | 3,785    | 4,328    | 22,338            | 10,220   | 12,118   |
| Calloway            | 4,241                 | 3,116    | 1,125    | 11,563            | 8,413    | 3,150    |
| Carlisle            | 12,788                | 156      | 12,632   | 35,791            | 421      | 35,370   |
| Carter              | 7,612                 | 1,177    | 6,435    | 21,196            | 3,178    | 18,018   |
| Christian           | 1,402                 | 1,395    | 7        | 3,787             | 3,767    | 20       |
| Clark               | 7                     | 7        | 0        | 19                | 19       | 0        |
| Clinton             | 12                    | 12       | 0        | 32                | 32       | 0        |
| Crittenden          | 11,496                | 7,758    | 3,738    | 31,413            | 20,947   | 10,466   |
| Daviess             | 179                   | 84       | 95       | 493               | 227      | 266      |
| Edmonson            | 2,153                 | 394      | 1,759    | 5,989             | 1,064    | 4,925    |
| Fleming             | 11                    | 0        | 11       | 31                | 0        | 31       |
| Fulton              | 2,435                 | 0        | 2,435    | 6,818             | 0        | 6,818    |
| Graves              | 10,106                | 3,804    | 6,302    | 27,917            | 10,271   | 17,646   |
| Grayson             | 3,285                 | 707      | 2,578    | 9,127             | 1,909    | 7,218    |
| Green               | 9                     | 9        | 0        | 24                | 24       | 0        |
| Greenup             | 4,318                 | 1,992    | 2,326    | 11,891            | 5,378    | 6,513    |
| Harlan              | 283                   | 0        | 283      | 792               | 0        | 792      |
| Hickman             | 2,467                 | 0        | 2,467    | 6,908             | 0        | 6,908    |
| Hopkins             | 1,802                 | 982      | 820      | 4,947             | 2,651    | 2,296    |
| Johnson             | 10                    | 10       | 0        | 27                | 27       | 0        |
| Knox                | 20,032                | 115      | 19,917   | 56,079            | 311      | 55,768   |
| Laurel              | 48,493                | 5,569    | 42,924   | 135,223           | 15,036   | 120,187  |
| Lewis               | 7,008                 | 404      | 6,604    | 19,582            | 1,091    | 18,491   |
| Livingston          | 11,154                | 3,775    | 7,379    | 30,854            | 10,193   | 20,661   |
| Lyon                | 6,281                 | 1,231    | 5,050    | 17,464            | 3,324    | 14,140   |
| Marshall            | 3,949                 | 2,702    | 1,247    | 10,787            | 7,295    | 3,492    |
| McCracken           | 1,045                 | 0        | 1,045    | 2,926             | 0        | 2,926    |
| McCreary            | 3,807                 | 69       | 3,738    | 10,652            | 186      | 10,466   |
| McLean              | 590                   | 0        | 590      | 1,652             | 0        | 1,652    |
| Metcalfe            | 29                    | 0        | 29       | 81                | 0        | 81       |
| Muhlenberg          | 2,471                 | 0        | 2,471    | 6,919             | 0        | 6,919    |
| Ohio                | 38,491                | 1,165    | 37,326   | 107,659           | 3,146    | 104,513  |
| Pike                | 205                   | 0        | 205      | 574               | 0        | 574      |
| Trigg               | 1,532                 | 0        | 1,532    | 4,290             | 0        | 4,290    |
| Union               | 348                   | 348      | 0        | 940               | 940      | 0        |
| Whitley             | 5,740                 | 445      | 5,295    | 16,028            | 1,202    | 14,826   |
| All counties        | 256,828               | 42,997   | 213,831  | 714,821           | 116,094  | 598,727  |

<sup>a</sup> Counties with no pulpwood production are omitted.

**Table A.12—Roundwood pulpwood production in Louisiana, 2003**

| Parish <sup>a</sup>  | All species           | Softwood  | Hardwood  | All species       | Softwood  | Hardwood  |
|----------------------|-----------------------|-----------|-----------|-------------------|-----------|-----------|
|                      | <i>standard cords</i> |           |           | <i>green tons</i> |           |           |
| Acadia               | 697                   | 697       | 0         | 1,882             | 1,882     | 0         |
| Allen                | 197,444               | 172,437   | 25,007    | 535,600           | 465,580   | 70,020    |
| Ascension            | 1,938                 | 0         | 1,938     | 5,426             | 0         | 5,426     |
| Avoyelles            | 10,155                | 10,155    | 0         | 27,419            | 27,419    | 0         |
| Beauregard           | 356,645               | 328,780   | 27,865    | 965,728           | 887,706   | 78,022    |
| Bienville            | 144,891               | 108,050   | 36,841    | 394,890           | 291,735   | 103,155   |
| Bossier              | 131,635               | 84,342    | 47,293    | 360,143           | 227,723   | 132,420   |
| Caddo                | 55,664                | 19,446    | 36,218    | 153,914           | 52,504    | 101,410   |
| Calcasieu            | 41,862                | 41,862    | 0         | 113,027           | 113,027   | 0         |
| Caldwell             | 90,843                | 81,852    | 8,991     | 246,175           | 221,000   | 25,175    |
| Cameron              | 21                    | 21        | 0         | 57                | 57        | 0         |
| Catahoula            | 53,626                | 47,358    | 6,268     | 145,417           | 127,867   | 17,550    |
| Claiborne            | 51,247                | 42,962    | 8,285     | 139,195           | 115,997   | 23,198    |
| Concordia            | 12,131                | 0         | 12,131    | 33,967            | 0         | 33,967    |
| De Soto              | 186,050               | 134,459   | 51,591    | 507,494           | 363,039   | 144,455   |
| East Baton Rouge     | 3,287                 | 282       | 3,005     | 9,175             | 761       | 8,414     |
| East Carroll         | 18,126                | 581       | 17,545    | 50,695            | 1,569     | 49,126    |
| East Feliciana       | 22,189                | 19,253    | 2,936     | 60,204            | 51,983    | 8,221     |
| Evangeline           | 34,594                | 34,572    | 22        | 93,406            | 93,344    | 62        |
| Franklin             | 6,998                 | 3,880     | 3,118     | 19,206            | 10,476    | 8,730     |
| Grant                | 56,993                | 54,574    | 2,419     | 154,123           | 147,350   | 6,773     |
| Iberia               | 10                    | 10        | 0         | 27                | 27        | 0         |
| Iberville            | 3,322                 | 0         | 3,322     | 9,302             | 0         | 9,302     |
| Jackson              | 258,735               | 163,174   | 95,561    | 708,141           | 440,570   | 267,571   |
| Jefferson            | 1,804                 | 13        | 1,791     | 5,050             | 35        | 5,015     |
| Jefferson Davis      | 4,249                 | 4,175     | 74        | 11,480            | 11,273    | 207       |
| Lafayette            | 71                    | 62        | 9         | 192               | 167       | 25        |
| Lafourche            | 198                   | 10        | 188       | 553               | 27        | 526       |
| La Salle             | 121,019               | 101,353   | 19,666    | 328,718           | 273,653   | 55,065    |
| Lincoln              | 40,099                | 26,100    | 13,999    | 109,667           | 70,470    | 39,197    |
| Livingston           | 252,924               | 47,218    | 205,706   | 703,466           | 127,489   | 575,977   |
| Madison              | 10,667                | 32        | 10,635    | 29,864            | 86        | 29,778    |
| Morehouse            | 51,063                | 29,281    | 21,782    | 140,049           | 79,059    | 60,990    |
| Natchitoches         | 181,533               | 153,523   | 28,010    | 492,940           | 414,512   | 78,428    |
| Ouachita             | 88,684                | 50,562    | 38,122    | 243,259           | 136,517   | 106,742   |
| Plaquemines          | 9                     | 9         | 0         | 24                | 24        | 0         |
| Pointe Coupee        | 11,877                | 325       | 11,552    | 33,224            | 878       | 32,346    |
| Rapides              | 149,811               | 129,062   | 20,749    | 406,564           | 348,467   | 58,097    |
| Red River            | 51,513                | 36,808    | 14,705    | 140,556           | 99,382    | 41,174    |
| Richland             | 8,192                 | 1,165     | 7,027     | 22,822            | 3,146     | 19,676    |
| Sabine               | 325,856               | 299,648   | 26,208    | 882,432           | 809,050   | 73,382    |
| St. Helena           | 46,364                | 42,736    | 3,628     | 125,545           | 115,387   | 10,158    |
| St. James            | 1,497                 | 10        | 1,487     | 4,191             | 27        | 4,164     |
| St. John the Baptist | 11                    | 11        | 0         | 30                | 30        | 0         |
| St. Landry           | 254                   | 162       | 92        | 695               | 437       | 258       |
| St. Tammany          | 34,745                | 30,868    | 3,877     | 94,200            | 83,344    | 10,856    |
| Tangipahoa           | 63,134                | 47,339    | 15,795    | 172,041           | 127,815   | 44,226    |
| Tensas               | 12,532                | 0         | 12,532    | 35,090            | 0         | 35,090    |
| Terrebonne           | 268                   | 11        | 257       | 750               | 30        | 720       |
| Union                | 174,240               | 122,694   | 51,546    | 475,603           | 331,274   | 144,329   |
| Vernon               | 340,940               | 300,890   | 40,050    | 924,543           | 812,403   | 112,140   |
| Washington           | 96,957                | 96,812    | 145       | 261,798           | 261,392   | 406       |
| Webster              | 51,295                | 30,976    | 20,319    | 140,528           | 83,635    | 56,893    |
| West Baton Rouge     | 6,268                 | 22        | 6,246     | 17,548            | 59        | 17,489    |
| West Carroll         | 15,560                | 12,912    | 2,648     | 42,276            | 34,862    | 7,414     |
| West Feliciana       | 4,135                 | 944       | 3,191     | 11,484            | 2,549     | 8,935     |
| Winn                 | 266,564               | 216,417   | 50,147    | 724,738           | 584,326   | 140,412   |
| All parishes         | 4,153,436             | 3,130,897 | 1,022,539 | 11,316,533        | 8,453,421 | 2,863,112 |

<sup>a</sup> Parishes with no pulpwood production are omitted.

**Table A.13—Roundwood pulpwood production in Mississippi, 2003**

| County <sup>a</sup> | All                   |          |          | All               |           |          |
|---------------------|-----------------------|----------|----------|-------------------|-----------|----------|
|                     | species               | Softwood | Hardwood | species           | Softwood  | Hardwood |
|                     | <i>standard cords</i> |          |          | <i>green tons</i> |           |          |
| Adams               | 22,451                | 3,180    | 19,271   | 62,545            | 8,586     | 53,959   |
| Alcorn              | 41,085                | 33,639   | 7,446    | 111,674           | 90,825    | 20,849   |
| Amite               | 130,744               | 88,163   | 42,581   | 357,267           | 238,040   | 119,227  |
| Attala              | 62,379                | 54,044   | 8,335    | 169,257           | 145,919   | 23,338   |
| Benton              | 10,508                | 5,060    | 5,448    | 28,916            | 13,662    | 15,254   |
| Bolivar             | 12,102                | 76       | 12,026   | 33,878            | 205       | 33,673   |
| Calhoun             | 40,752                | 39,803   | 949      | 110,125           | 107,468   | 2,657    |
| Carroll             | 40,839                | 6,781    | 34,058   | 113,671           | 18,309    | 95,362   |
| Chickasaw           | 44,759                | 44,240   | 519      | 120,901           | 119,448   | 1,453    |
| Choctaw             | 73,120                | 67,686   | 5,434    | 197,967           | 182,752   | 15,215   |
| Claiborne           | 55,210                | 18,973   | 36,237   | 152,691           | 51,227    | 101,464  |
| Clarke              | 139,108               | 84,471   | 54,637   | 381,056           | 228,072   | 152,984  |
| Clay                | 20,214                | 20,152   | 62       | 54,584            | 54,410    | 174      |
| Coahoma             | 5,218                 | 0        | 5,218    | 14,610            | 0         | 14,610   |
| Copiah              | 85,205                | 61,878   | 23,327   | 232,387           | 167,071   | 65,316   |
| Covington           | 46,040                | 25,549   | 20,491   | 126,357           | 68,982    | 57,375   |
| De Soto             | 893                   | 672      | 221      | 2,433             | 1,814     | 619      |
| Forrest             | 36,874                | 35,511   | 1,363    | 99,696            | 95,880    | 3,816    |
| Franklin            | 40,492                | 15,157   | 25,335   | 111,862           | 40,924    | 70,938   |
| George              | 44,334                | 43,870   | 464      | 119,748           | 118,449   | 1,299    |
| Greene              | 415,266               | 410,975  | 4,291    | 1,121,648         | 1,109,633 | 12,015   |
| Grenada             | 35,878                | 32,606   | 3,272    | 97,198            | 88,036    | 9,162    |
| Hancock             | 33,633                | 33,606   | 27       | 90,812            | 90,736    | 76       |
| Harrison            | 36,452                | 36,425   | 27       | 98,424            | 98,348    | 76       |
| Hinds               | 68,719                | 30,982   | 37,737   | 189,315           | 83,651    | 105,664  |
| Holmes              | 29,660                | 7,436    | 22,224   | 82,304            | 20,077    | 62,227   |
| Humphreys           | 3,616                 | 0        | 3,616    | 10,125            | 0         | 10,125   |
| Issaquena           | 26,659                | 18       | 26,641   | 74,644            | 49        | 74,595   |
| Itawamba            | 46,643                | 39,706   | 6,937    | 126,630           | 107,206   | 19,424   |
| Jackson             | 12,134                | 12,094   | 40       | 32,766            | 32,654    | 112      |
| Jasper              | 23,361                | 12,374   | 10,987   | 64,174            | 33,410    | 30,764   |
| Jefferson           | 50,596                | 23,096   | 27,500   | 139,359           | 62,359    | 77,000   |
| Jefferson Davis     | 31,052                | 31,052   | 0        | 83,840            | 83,840    | 0        |
| Jones               | 36,205                | 10,268   | 25,937   | 100,348           | 27,724    | 72,624   |
| Kemper              | 30,370                | 20,551   | 9,819    | 82,981            | 55,488    | 27,493   |
| Lafayette           | 5,085                 | 5,075    | 10       | 13,731            | 13,703    | 28       |
| Lamar               | 41,092                | 39,708   | 1,384    | 111,087           | 107,212   | 3,875    |
| Lauderdale          | 81,989                | 41,744   | 40,245   | 225,395           | 112,709   | 112,686  |
| Lawrence            | 58,083                | 48,576   | 9,507    | 157,775           | 131,155   | 26,620   |
| Leake               | 36,423                | 33,127   | 3,296    | 98,672            | 89,443    | 9,229    |
| Lee                 | 12,671                | 11,330   | 1,341    | 34,346            | 30,591    | 3,755    |
| Leflore             | 1,488                 | 0        | 1,488    | 4,166             | 0         | 4,166    |
| Lincoln             | 51,370                | 31,359   | 20,011   | 140,700           | 84,669    | 56,031   |
| Lowndes             | 21,720                | 21,720   | 0        | 58,644            | 58,644    | 0        |
| Madison             | 33,419                | 25,695   | 7,724    | 91,004            | 69,377    | 21,627   |
| Marion              | 75,482                | 61,228   | 14,254   | 205,227           | 165,316   | 39,911   |
| Marshall            | 19,968                | 4,517    | 15,451   | 55,459            | 12,196    | 43,263   |
| Monroe              | 95,149                | 34,616   | 60,533   | 262,955           | 93,463    | 169,492  |
| Montgomery          | 38,286                | 12,159   | 26,127   | 105,985           | 32,829    | 73,156   |
| Neshoba             | 50,614                | 34,552   | 16,062   | 138,264           | 93,290    | 44,974   |
| Newton              | 30,845                | 20,551   | 10,294   | 84,311            | 55,488    | 28,823   |
| Noxubee             | 25,484                | 23,048   | 2,436    | 69,051            | 62,230    | 6,821    |
| Oktibbeha           | 37,643                | 30,476   | 7,167    | 102,353           | 82,285    | 20,068   |

*continued*

**Table A.13—Roundwood pulpwood production in Mississippi, 2003 (continued)**

| County <sup>a</sup> | All species           | Softwood  | Hardwood  | All species       | Softwood  | Hardwood  |
|---------------------|-----------------------|-----------|-----------|-------------------|-----------|-----------|
|                     | <i>standard cords</i> |           |           | <i>green tons</i> |           |           |
| Panola              | 85,714                | 37,752    | 47,962    | 236,224           | 101,930   | 134,294   |
| Pearl River         | 109,337               | 90,998    | 18,339    | 297,044           | 245,695   | 51,349    |
| Perry               | 93,025                | 53,848    | 39,177    | 255,086           | 145,390   | 109,696   |
| Pike                | 34,719                | 26,856    | 7,863     | 94,527            | 72,511    | 22,016    |
| Pontotoc            | 19,693                | 19,201    | 492       | 53,221            | 51,843    | 1,378     |
| Prentiss            | 43,352                | 18,991    | 24,361    | 119,487           | 51,276    | 68,211    |
| Quitman             | 51                    | 0         | 51        | 143               | 0         | 143       |
| Rankin              | 55,210                | 37,177    | 18,033    | 150,870           | 100,378   | 50,492    |
| Scott               | 39,316                | 29,302    | 10,014    | 107,154           | 79,115    | 28,039    |
| Sharkey             | 3,568                 | 0         | 3,568     | 9,990             | 0         | 9,990     |
| Simpson             | 43,476                | 35,119    | 8,357     | 118,221           | 94,821    | 23,400    |
| Smith               | 6,492                 | 4,766     | 1,726     | 17,701            | 12,868    | 4,833     |
| Stone               | 14,522                | 14,522    | 0         | 39,209            | 39,209    | 0         |
| Sunflower           | 981                   | 0         | 981       | 2,747             | 0         | 2,747     |
| Tallahatchie        | 7,009                 | 5,580     | 1,429     | 19,067            | 15,066    | 4,001     |
| Tate                | 4,161                 | 4,120     | 41        | 11,239            | 11,124    | 115       |
| Tippah              | 41,910                | 36,823    | 5,087     | 113,666           | 99,422    | 14,244    |
| Tishomingo          | 78,506                | 64,040    | 14,466    | 213,413           | 172,908   | 40,505    |
| Tunica              | 172                   | 0         | 172       | 482               | 0         | 482       |
| Union               | 9,569                 | 6,365     | 3,204     | 26,157            | 17,186    | 8,971     |
| Walthall            | 295,882               | 294,822   | 1,060     | 798,987           | 796,019   | 2,968     |
| Warren              | 73,039                | 2,814     | 70,225    | 204,228           | 7,598     | 196,630   |
| Washington          | 12,294                | 173       | 12,121    | 34,406            | 467       | 33,939    |
| Wayne               | 158,512               | 66,011    | 92,501    | 437,233           | 178,230   | 259,003   |
| Webster             | 24,874                | 18,385    | 6,489     | 67,809            | 49,640    | 18,169    |
| Wilkinson           | 196,121               | 160,464   | 35,657    | 533,093           | 433,253   | 99,840    |
| Winston             | 52,133                | 27,852    | 24,281    | 143,187           | 75,200    | 67,987    |
| Yalobusha           | 10,844                | 9,803     | 1,041     | 29,383            | 26,468    | 2,915     |
| Yazoo               | 21,601                | 2,166     | 19,435    | 60,266            | 5,848     | 54,418    |
| All counties        | 4,085,465             | 2,897,525 | 1,187,940 | 11,149,558        | 7,823,319 | 3,326,239 |

<sup>a</sup> Counties with no pulpwood production are omitted.



Table A.14—Roundwood pulpwood production in North Carolina, 2003

| County <sup>a</sup> | All                   |          |          | All               |          |          |
|---------------------|-----------------------|----------|----------|-------------------|----------|----------|
|                     | species               | Softwood | Hardwood | species           | Softwood | Hardwood |
|                     | <i>standard cords</i> |          |          | <i>green tons</i> |          |          |
| Alamance            | 2,027                 | 127      | 1,900    | 5,663             | 343      | 5,320    |
| Alexander           | 897                   | 0        | 897      | 2,512             | 0        | 2,512    |
| Alleghany           | 919                   | 0        | 919      | 2,573             | 0        | 2,573    |
| Anson               | 86,265                | 70,923   | 15,342   | 234,450           | 191,492  | 42,958   |
| Ashe                | 5,893                 | 1,237    | 4,656    | 16,377            | 3,340    | 13,037   |
| Avery               | 780                   | 0        | 780      | 2,184             | 0        | 2,184    |
| Beaufort            | 170,956               | 133,310  | 37,646   | 465,346           | 359,937  | 105,409  |
| Bertie              | 184,001               | 94,180   | 89,821   | 505,785           | 254,286  | 251,499  |
| Bladen              | 165,780               | 112,687  | 53,093   | 452,915           | 304,255  | 148,660  |
| Brunswick           | 161,376               | 119,828  | 41,548   | 439,870           | 323,536  | 116,334  |
| Burke               | 34,664                | 12,491   | 22,173   | 95,810            | 33,726   | 62,084   |
| Cabarrus            | 2,733                 | 2,454    | 279      | 7,407             | 6,626    | 781      |
| Caldwell            | 4,150                 | 8        | 4,142    | 11,620            | 22       | 11,598   |
| Camden              | 10,786                | 834      | 9,952    | 30,118            | 2,252    | 27,866   |
| Carteret            | 15,484                | 13,261   | 2,223    | 42,029            | 35,805   | 6,224    |
| Caswell             | 12,153                | 608      | 11,545   | 33,968            | 1,642    | 32,326   |
| Catawba             | 2,588                 | 738      | 1,850    | 7,173             | 1,993    | 5,180    |
| Chatham             | 3,460                 | 837      | 2,623    | 9,604             | 2,260    | 7,344    |
| Cherokee            | 74,842                | 58,501   | 16,341   | 203,708           | 157,953  | 45,755   |
| Chowan              | 44,594                | 29,924   | 14,670   | 121,871           | 80,795   | 41,076   |
| Cleveland           | 30,691                | 23,389   | 7,302    | 83,596            | 63,150   | 20,446   |
| Columbus            | 152,542               | 91,365   | 61,177   | 417,982           | 246,686  | 171,296  |
| Craven              | 97,002                | 81,091   | 15,911   | 263,497           | 218,946  | 44,551   |
| Cumberland          | 33,355                | 21,025   | 12,330   | 91,292            | 56,768   | 34,524   |
| Currituck           | 9,073                 | 433      | 8,640    | 25,361            | 1,169    | 24,192   |
| Dare                | 74                    | 74       | 0        | 200               | 200      | 0        |
| Davidson            | 3,521                 | 559      | 2,962    | 9,803             | 1,509    | 8,294    |
| Davie               | 2,209                 | 0        | 2,209    | 6,185             | 0        | 6,185    |
| Duplin              | 52,099                | 35,447   | 16,652   | 142,333           | 95,707   | 46,626   |
| Durham              | 10,703                | 500      | 10,203   | 29,918            | 1,350    | 28,568   |
| Edgecombe           | 37,998                | 29,980   | 8,018    | 103,396           | 80,946   | 22,450   |
| Forsyth             | 2,854                 | 99       | 2,755    | 7,981             | 267      | 7,714    |
| Franklin            | 17,894                | 11,230   | 6,664    | 48,980            | 30,321   | 18,659   |
| Gaston              | 8,449                 | 5,705    | 2,744    | 23,087            | 15,404   | 7,683    |
| Gates               | 37,850                | 15,626   | 22,224   | 104,417           | 42,190   | 62,227   |
| Graham              | 37,398                | 3,409    | 33,989   | 104,373           | 9,204    | 95,169   |
| Granville           | 10,635                | 6,384    | 4,251    | 29,140            | 17,237   | 11,903   |
| Greene              | 4,935                 | 3,673    | 1,262    | 13,451            | 9,917    | 3,534    |
| Guilford            | 2,249                 | 328      | 1,921    | 6,265             | 886      | 5,379    |
| Halifax             | 104,538               | 69,878   | 34,660   | 285,719           | 188,671  | 97,048   |
| Harnett             | 12,200                | 5,956    | 6,244    | 33,564            | 16,081   | 17,483   |
| Haywood             | 105,209               | 33,470   | 71,739   | 291,238           | 90,369   | 200,869  |
| Hertford            | 75,177                | 52,666   | 22,511   | 205,229           | 142,198  | 63,031   |
| Hoke                | 26,641                | 22,749   | 3,892    | 72,320            | 61,422   | 10,898   |
| Hyde                | 9,681                 | 6,788    | 2,893    | 26,428            | 18,328   | 8,100    |
| Iredell             | 3,572                 | 602      | 2,970    | 9,941             | 1,625    | 8,316    |
| Johnston            | 10,873                | 5,423    | 5,450    | 29,902            | 14,642   | 15,260   |
| Jones               | 46,723                | 43,038   | 3,685    | 126,521           | 116,203  | 10,318   |
| Lee                 | 8,930                 | 5,704    | 3,226    | 24,434            | 15,401   | 9,033    |
| Lenoir              | 28,706                | 26,930   | 1,776    | 77,684            | 72,711   | 4,973    |
| Lincoln             | 8,287                 | 2,776    | 5,511    | 22,926            | 7,495    | 15,431   |
| Madison             | 9                     | 0        | 9        | 25                | 0        | 25       |
| Martin              | 81,191                | 58,964   | 22,227   | 221,439           | 159,203  | 62,236   |
| McDowell            | 279                   | 279      | 0        | 753               | 753      | 0        |
| Mecklenburg         | 40,752                | 4,307    | 36,445   | 113,675           | 11,629   | 102,046  |
| Mitchell            | 9                     | 0        | 9        | 25                | 0        | 25       |
| Montgomery          | 57,448                | 12,604   | 44,844   | 159,594           | 34,031   | 125,563  |
| Moore               | 35,824                | 25,597   | 10,227   | 97,748            | 69,112   | 28,636   |

continued

**Table A.14—Roundwood pulpwood production in North Carolina, 2003 (continued)**

| County <sup>a</sup> | All species           | Softwood  | Hardwood  | All species       | Softwood  | Hardwood  |
|---------------------|-----------------------|-----------|-----------|-------------------|-----------|-----------|
|                     | <i>standard cords</i> |           |           | <i>green tons</i> |           |           |
| Nash                | 38,281                | 28,207    | 10,074    | 104,366           | 76,159    | 28,207    |
| New Hanover         | 4,708                 | 4,305     | 403       | 12,752            | 11,624    | 1,128     |
| Northampton         | 72,580                | 35,452    | 37,128    | 199,678           | 95,720    | 103,958   |
| Onslow              | 67,792                | 58,178    | 9,614     | 184,000           | 157,081   | 26,919    |
| Orange              | 2,127                 | 27        | 2,100     | 5,953             | 73        | 5,880     |
| Pamlico             | 41,020                | 34,580    | 6,440     | 111,398           | 93,366    | 18,032    |
| Pasquotank          | 16,622                | 9,690     | 6,932     | 45,573            | 26,163    | 19,410    |
| Pender              | 65,685                | 53,684    | 12,001    | 178,550           | 144,947   | 33,603    |
| Perquimans          | 49,918                | 34,435    | 15,483    | 136,327           | 92,975    | 43,352    |
| Person              | 3,205                 | 702       | 2,503     | 8,903             | 1,895     | 7,008     |
| Pitt                | 67,222                | 39,555    | 27,667    | 184,267           | 106,799   | 77,468    |
| Polk                | 1,691                 | 1,691     | 0         | 4,566             | 4,566     | 0         |
| Randolph            | 6,809                 | 2,673     | 4,136     | 18,798            | 7,217     | 11,581    |
| Richmond            | 35,160                | 30,443    | 4,717     | 95,404            | 82,196    | 13,208    |
| Robeson             | 57,320                | 25,752    | 31,568    | 157,920           | 69,530    | 88,390    |
| Rockingham          | 33,119                | 9,973     | 23,146    | 91,736            | 26,927    | 64,809    |
| Rowan               | 9,380                 | 28        | 9,352     | 26,262            | 76        | 26,186    |
| Rutherford          | 94,919                | 27,345    | 67,574    | 263,039           | 73,832    | 189,207   |
| Sampson             | 58,141                | 44,418    | 13,723    | 158,353           | 119,929   | 38,424    |
| Scotland            | 71,993                | 25,725    | 46,268    | 199,008           | 69,458    | 129,550   |
| Stanly              | 6,655                 | 3,580     | 3,075     | 18,276            | 9,666     | 8,610     |
| Stokes              | 4,563                 | 97        | 4,466     | 12,767            | 262       | 12,505    |
| Surry               | 6,740                 | 334       | 6,406     | 18,839            | 902       | 17,937    |
| Tyrrell             | 28,791                | 8,902     | 19,889    | 79,724            | 24,035    | 55,689    |
| Union               | 69,395                | 32,404    | 36,991    | 191,066           | 87,491    | 103,575   |
| Vance               | 7,861                 | 5,389     | 2,472     | 21,472            | 14,550    | 6,922     |
| Wake                | 63,440                | 6,529     | 56,911    | 176,979           | 17,628    | 159,351   |
| Warren              | 106,432               | 77,517    | 28,915    | 290,258           | 209,296   | 80,962    |
| Washington          | 112,631               | 72,064    | 40,567    | 308,161           | 194,573   | 113,588   |
| Watauga             | 4,052                 | 0         | 4,052     | 11,346            | 0         | 11,346    |
| Wayne               | 11,514                | 7,780     | 3,734     | 31,461            | 21,006    | 10,455    |
| Wilkes              | 14,649                | 0         | 14,649    | 41,017            | 0         | 41,017    |
| Wilson              | 6,501                 | 3,370     | 3,131     | 17,866            | 9,099     | 8,767     |
| Yadkin              | 2,764                 | 0         | 2,764     | 7,739             | 0         | 7,739     |
| Yancey              | 89                    | 0         | 89        | 249               | 0         | 249       |
| All counties        | 3,435,697             | 2,044,825 | 1,390,872 | 9,415,478         | 5,521,035 | 3,894,443 |

<sup>a</sup> Counties with no pulpwood production are omitted.

**Table A.15—Roundwood pulpwood production in Oklahoma, 2003**

| County <sup>a</sup> | All species           | Softwood | Hardwood | All species       | Softwood | Hardwood |
|---------------------|-----------------------|----------|----------|-------------------|----------|----------|
|                     | <i>standard cords</i> |          |          | <i>green tons</i> |          |          |
| Atoka               | 3,137                 | 1,323    | 1,814    | 8,651             | 3,572    | 5,079    |
| Bryan               | 8,290                 | 5        | 8,285    | 23,212            | 14       | 23,198   |
| Choctaw             | 15,958                | 8,555    | 7,403    | 43,827            | 23,099   | 20,728   |
| Haskell             | 1,897                 | 1,897    | 0        | 5,122             | 5,122    | 0        |
| Latimer             | 11,085                | 3,249    | 7,836    | 30,713            | 8,772    | 21,941   |
| Le Flore            | 79,196                | 38,748   | 40,448   | 217,874           | 104,620  | 113,254  |
| McCurtain           | 224,075               | 168,154  | 55,921   | 610,595           | 454,016  | 156,579  |
| Pittsburg           | 1,376                 | 40       | 1,336    | 3,849             | 108      | 3,741    |
| Pushmataha          | 190,116               | 102,181  | 87,935   | 522,107           | 275,889  | 246,218  |
| All counties        | 535,130               | 324,152  | 210,978  | 1,465,950         | 875,212  | 590,738  |

<sup>a</sup> Counties with no pulpwood production are omitted.

**Table A.16—Roundwood pulpwood production in South Carolina, 2003**

| County <sup>a</sup> | All species           | Softwood  | Hardwood | All species       | Softwood  | Hardwood  |
|---------------------|-----------------------|-----------|----------|-------------------|-----------|-----------|
|                     | <i>standard cords</i> |           |          | <i>green tons</i> |           |           |
| Abbeville           | 5,627                 | 3,392     | 2,235    | 15,416            | 9,158     | 6,258     |
| Aiken               | 117,450               | 88,843    | 28,607   | 319,976           | 239,876   | 80,100    |
| Allendale           | 70,692                | 55,631    | 15,061   | 192,375           | 150,204   | 42,171    |
| Anderson            | 1,001                 | 942       | 59       | 2,708             | 2,543     | 165       |
| Bamberg             | 105,949               | 90,404    | 15,545   | 287,617           | 244,091   | 43,526    |
| Barnwell            | 127,985               | 108,110   | 19,875   | 347,547           | 291,897   | 55,650    |
| Beaufort            | 12,260                | 8,649     | 3,611    | 33,463            | 23,352    | 10,111    |
| Berkeley            | 79,150                | 68,726    | 10,424   | 214,747           | 185,560   | 29,187    |
| Calhoun             | 72,676                | 58,121    | 14,555   | 197,681           | 156,927   | 40,754    |
| Charleston          | 76,310                | 67,775    | 8,535    | 206,891           | 182,993   | 23,898    |
| Cherokee            | 15,798                | 11,845    | 3,953    | 43,050            | 31,982    | 11,068    |
| Chester             | 82,427                | 80,850    | 1,577    | 222,711           | 218,295   | 4,416     |
| Chesterfield        | 171,838               | 144,162   | 27,676   | 466,730           | 389,237   | 77,493    |
| Clarendon           | 47,807                | 38,310    | 9,497    | 130,029           | 103,437   | 26,592    |
| Colleton            | 124,738               | 96,831    | 27,907   | 339,584           | 261,444   | 78,140    |
| Darlington          | 66,479                | 42,498    | 23,981   | 181,892           | 114,745   | 67,147    |
| Dillon              | 68,210                | 25,983    | 42,227   | 188,390           | 70,154    | 118,236   |
| Dorchester          | 132,083               | 81,269    | 50,814   | 361,705           | 219,426   | 142,279   |
| Edgefield           | 23,311                | 9,047     | 14,264   | 64,366            | 24,427    | 39,939    |
| Fairfield           | 157,447               | 120,833   | 36,614   | 428,768           | 326,249   | 102,519   |
| Florence            | 73,787                | 43,142    | 30,645   | 202,289           | 116,483   | 85,806    |
| Georgetown          | 236,555               | 189,249   | 47,306   | 643,429           | 510,972   | 132,457   |
| Greenville          | 6,837                 | 5,762     | 1,075    | 18,567            | 15,557    | 3,010     |
| Greenwood           | 34,198                | 15,780    | 18,418   | 94,176            | 42,606    | 51,570    |
| Hampton             | 77,077                | 51,378    | 25,699   | 210,678           | 138,721   | 71,957    |
| Horry               | 79,758                | 56,381    | 23,377   | 217,685           | 152,229   | 65,456    |
| Jasper              | 118,255               | 106,549   | 11,706   | 320,459           | 287,682   | 32,777    |
| Kershaw             | 199,124               | 165,913   | 33,211   | 540,956           | 447,965   | 92,991    |
| Lancaster           | 94,976                | 87,537    | 7,439    | 257,179           | 236,350   | 20,829    |
| Laurens             | 64,061                | 43,054    | 21,007   | 175,066           | 116,246   | 58,820    |
| Lee                 | 62,930                | 50,908    | 12,022   | 171,114           | 137,452   | 33,662    |
| Lexington           | 44,210                | 32,352    | 11,858   | 120,552           | 87,350    | 33,202    |
| Marion              | 72,649                | 26,039    | 46,610   | 200,813           | 70,305    | 130,508   |
| Marlboro            | 101,749               | 68,973    | 32,776   | 278,000           | 186,227   | 91,773    |
| McCormick           | 8,707                 | 1,787     | 6,920    | 24,201            | 4,825     | 19,376    |
| Newberry            | 279,170               | 255,347   | 23,823   | 756,141           | 689,437   | 66,704    |
| Oconee              | 22,103                | 22,103    | 0        | 59,678            | 59,678    | 0         |
| Orangeburg          | 154,241               | 123,546   | 30,695   | 419,520           | 333,574   | 85,946    |
| Pickens             | 9,942                 | 4,515     | 5,427    | 27,387            | 12,191    | 15,196    |
| Richland            | 95,569                | 69,853    | 25,716   | 260,608           | 188,603   | 72,005    |
| Saluda              | 20,591                | 6,772     | 13,819   | 56,977            | 18,284    | 38,693    |
| Spartanburg         | 176,054               | 84,741    | 91,313   | 484,477           | 228,801   | 255,676   |
| Sumter              | 57,744                | 35,268    | 22,476   | 158,157           | 95,224    | 62,933    |
| Union               | 102,202               | 62,273    | 39,929   | 279,938           | 168,137   | 111,801   |
| Williamsburg        | 118,155               | 96,866    | 21,289   | 321,147           | 261,538   | 59,609    |
| York                | 59,281                | 52,763    | 6,518    | 160,710           | 142,460   | 18,250    |
| All counties        | 3,929,163             | 2,961,072 | 968,091  | 10,705,550        | 7,994,894 | 2,710,656 |

<sup>a</sup> Counties with no pulpwood production are omitted.

**Table A.17—Roundwood pulpwood production in Tennessee, 2003**

| County <sup>a</sup> | All                   |          |          | All               |          |          |
|---------------------|-----------------------|----------|----------|-------------------|----------|----------|
|                     | species               | Softwood | Hardwood | species           | Softwood | Hardwood |
|                     | <i>standard cords</i> |          |          | <i>green tons</i> |          |          |
| Anderson            | 615                   | 110      | 505      | 1,711             | 297      | 1,414    |
| Bedford             | 475                   | 27       | 448      | 1,327             | 73       | 1,254    |
| Benton              | 35,220                | 3,470    | 31,750   | 98,269            | 9,369    | 88,900   |
| Bledsoe             | 37,554                | 31,442   | 6,112    | 102,007           | 84,893   | 17,114   |
| Blount              | 17,367                | 10,648   | 6,719    | 47,563            | 28,750   | 18,813   |
| Bradley             | 3,448                 | 1,617    | 1,831    | 9,493             | 4,366    | 5,127    |
| Campbell            | 66,623                | 0        | 66,623   | 186,544           | 0        | 186,544  |
| Carroll             | 12,981                | 1,306    | 11,675   | 36,216            | 3,526    | 32,690   |
| Carter              | 45                    | 0        | 45       | 126               | 0        | 126      |
| Chester             | 14,985                | 10,541   | 4,444    | 40,904            | 28,461   | 12,443   |
| Claiborne           | 1,529                 | 248      | 1,281    | 4,257             | 670      | 3,587    |
| Cocke               | 120                   | 120      | 0        | 324               | 324      | 0        |
| Coffee              | 5,574                 | 0        | 5,574    | 15,607            | 0        | 15,607   |
| Crockett            | 19                    | 0        | 19       | 53                | 0        | 53       |
| Cumberland          | 41,488                | 18,687   | 22,801   | 114,298           | 50,455   | 63,843   |
| Decatur             | 8,123                 | 2,679    | 5,444    | 22,476            | 7,233    | 15,243   |
| DeKalb              | 9                     | 0        | 9        | 25                | 0        | 25       |
| Fayette             | 5,275                 | 4,593    | 682      | 14,311            | 12,401   | 1,910    |
| Fentress            | 17,876                | 2,003    | 15,873   | 49,852            | 5,408    | 44,444   |
| Franklin            | 15,205                | 2,271    | 12,934   | 42,347            | 6,132    | 36,215   |
| Giles               | 15,095                | 1,153    | 13,942   | 42,151            | 3,113    | 39,038   |
| Grainger            | 2,246                 | 526      | 1,720    | 6,236             | 1,420    | 4,816    |
| Grundy              | 68,997                | 33,187   | 35,810   | 189,873           | 89,605   | 100,268  |
| Hamblen             | 28                    | 0        | 28       | 78                | 0        | 78       |
| Hamilton            | 21,637                | 18,011   | 3,626    | 58,783            | 48,630   | 10,153   |
| Hardeman            | 11,762                | 4,607    | 7,155    | 32,473            | 12,439   | 20,034   |
| Hardin              | 137,232               | 91,699   | 45,533   | 375,079           | 247,587  | 127,492  |
| Hawkins             | 337                   | 71       | 266      | 937               | 192      | 745      |
| Haywood             | 66                    | 0        | 66       | 185               | 0        | 185      |
| Henderson           | 16,451                | 10,222   | 6,229    | 45,040            | 27,599   | 17,441   |
| Henry               | 47,645                | 14,183   | 33,462   | 131,988           | 38,294   | 93,694   |
| Hickman             | 80,230                | 11,474   | 68,756   | 223,497           | 30,980   | 192,517  |
| Houston             | 37                    | 0        | 37       | 104               | 0        | 104      |
| Humphreys           | 36,243                | 0        | 36,243   | 101,480           | 0        | 101,480  |
| Johnson             | 364                   | 0        | 364      | 1,019             | 0        | 1,019    |
| Knox                | 11,426                | 7,698    | 3,728    | 31,223            | 20,785   | 10,438   |
| Lauderdale          | 19                    | 10       | 9        | 52                | 27       | 25       |
| Lawrence            | 56,194                | 27,425   | 28,769   | 154,601           | 74,048   | 80,553   |
| Lewis               | 37,792                | 16,162   | 21,630   | 104,201           | 43,637   | 60,564   |
| Lincoln             | 2,928                 | 21       | 2,907    | 8,197             | 57       | 8,140    |
| Loudon              | 2,912                 | 2,306    | 606      | 7,923             | 6,226    | 1,697    |
| Madison             | 2,139                 | 943      | 1,196    | 5,895             | 2,546    | 3,349    |
| Marion              | 53,655                | 13,853   | 39,802   | 148,849           | 37,403   | 111,446  |
| Marshall            | 65                    | 47       | 18       | 177               | 127      | 50       |
| Maury               | 7,755                 | 3,469    | 4,286    | 21,367            | 9,366    | 12,001   |
| McMinn              | 14,307                | 8,442    | 5,865    | 39,215            | 22,793   | 16,422   |
| McNairy             | 69,886                | 29,422   | 40,464   | 192,738           | 79,439   | 113,299  |
| Meigs               | 4,196                 | 1,042    | 3,154    | 11,644            | 2,813    | 8,831    |
| Monroe              | 36,436                | 20,499   | 15,937   | 99,971            | 55,347   | 44,624   |
| Moore               | 1,743                 | 0        | 1,743    | 4,880             | 0        | 4,880    |
| Morgan              | 12,409                | 965      | 11,444   | 34,649            | 2,606    | 32,043   |

*continued*

**Table A.17—Roundwood pulpwood production in Tennessee, 2003 (continued)**

| County <sup>a</sup> | All species           | Softwood | Hardwood | All species       | Softwood  | Hardwood  |
|---------------------|-----------------------|----------|----------|-------------------|-----------|-----------|
|                     | <i>standard cords</i> |          |          | <i>green tons</i> |           |           |
| Overton             | 15,106                | 3,849    | 11,257   | 41,912            | 10,392    | 31,520    |
| Perry               | 31,071                | 14,834   | 16,237   | 85,516            | 40,052    | 45,464    |
| Pickett             | 1,696                 | 41       | 1,655    | 4,745             | 111       | 4,634     |
| Polk                | 13,553                | 12,292   | 1,261    | 36,719            | 33,188    | 3,531     |
| Putnam              | 61                    | 0        | 61       | 171               | 0         | 171       |
| Rhea                | 27,052                | 12,762   | 14,290   | 74,469            | 34,457    | 40,012    |
| Roane               | 2,720                 | 108      | 2,612    | 7,606             | 292       | 7,314     |
| Scott               | 5,369                 | 226      | 5,143    | 15,010            | 610       | 14,400    |
| Sequatchie          | 48,524                | 33,783   | 14,741   | 132,489           | 91,214    | 41,275    |
| Shelby              | 2,689                 | 1,841    | 848      | 7,345             | 4,971     | 2,374     |
| Stewart             | 44,236                | 4,445    | 39,791   | 123,417           | 12,002    | 111,415   |
| Sullivan            | 28                    | 0        | 28       | 78                | 0         | 78        |
| Unicoi              | 61                    | 0        | 61       | 171               | 0         | 171       |
| Union               | 5,955                 | 1,282    | 4,673    | 16,545            | 3,461     | 13,084    |
| Van Buren           | 82,513                | 32,036   | 50,477   | 227,833           | 86,497    | 141,336   |
| Warren              | 3,951                 | 42       | 3,909    | 11,058            | 113       | 10,945    |
| Washington          | 29                    | 9        | 20       | 80                | 24        | 56        |
| Wayne               | 211,774               | 99,238   | 112,536  | 583,044           | 267,943   | 315,101   |
| Weakley             | 59,655                | 5,310    | 54,345   | 166,503           | 14,337    | 152,166   |
| White               | 23,053                | 5,059    | 17,994   | 64,042            | 13,659    | 50,383    |
| Williamson          | 544                   | 53       | 491      | 1,518             | 143       | 1,375     |
| Wilson              | 109                   | 0        | 109      | 305               | 0         | 305       |
| All counties        | 1,616,512             | 634,409  | 982,103  | 4,462,791         | 1,712,903 | 2,749,888 |

<sup>a</sup> Counties with no pulpwood production are omitted.

**Table A.18—Roundwood pulpwood production in Texas, 2003**

| County <sup>a</sup> | All species           | Softwood  | Hardwood  | All species       | Softwood  | Hardwood  |
|---------------------|-----------------------|-----------|-----------|-------------------|-----------|-----------|
|                     | <i>standard cords</i> |           |           | <i>green tons</i> |           |           |
| Anderson            | 7,668                 | 6,088     | 1,580     | 20,862            | 16,438    | 4,424     |
| Angelina            | 102,574               | 62,222    | 40,352    | 280,985           | 167,999   | 112,986   |
| Bowie               | 72,784                | 25,105    | 47,679    | 201,285           | 67,784    | 133,501   |
| Camp                | 10,126                | 298       | 9,828     | 28,323            | 805       | 27,518    |
| Cass                | 206,110               | 47,187    | 158,923   | 572,389           | 127,405   | 444,984   |
| Cherokee            | 40,947                | 19,692    | 21,255    | 112,682           | 53,168    | 59,514    |
| Colorado            | 20                    | 11        | 9         | 55                | 30        | 25        |
| Dallas              | 26                    | 11        | 15        | 72                | 30        | 42        |
| Franklin            | 1,364                 | 367       | 997       | 3,783             | 991       | 2,792     |
| Gregg               | 4,728                 | 182       | 4,546     | 13,220            | 491       | 12,729    |
| Hardin              | 123,953               | 88,243    | 35,710    | 338,244           | 238,256   | 99,988    |
| Harris              | 152                   | 105       | 47        | 416               | 284       | 132       |
| Harrison            | 42,902                | 14,122    | 28,780    | 118,713           | 38,129    | 80,584    |
| Henderson           | 1,815                 | 1,453     | 362       | 4,937             | 3,923     | 1,014     |
| Hopkins             | 2,464                 | 0         | 2,464     | 6,899             | 0         | 6,899     |
| Houston             | 32,257                | 11,869    | 20,388    | 89,132            | 32,046    | 57,086    |
| Jasper              | 249,230               | 217,805   | 31,425    | 676,064           | 588,074   | 87,990    |
| Jefferson           | 10                    | 10        | 0         | 27                | 27        | 0         |
| Lamar               | 5,704                 | 0         | 5,704     | 15,971            | 0         | 15,971    |
| Leon                | 264                   | 264       | 0         | 713               | 713       | 0         |
| Liberty             | 122,160               | 77,505    | 44,655    | 334,298           | 209,264   | 125,034   |
| Madison             | 67                    | 0         | 67        | 188               | 0         | 188       |
| Marion              | 42,355                | 15,644    | 26,711    | 117,030           | 42,239    | 74,791    |
| Montgomery          | 34,129                | 16,274    | 17,855    | 93,934            | 43,940    | 49,994    |
| Morris              | 5,643                 | 905       | 4,738     | 15,710            | 2,444     | 13,266    |
| Nacogdoches         | 60,561                | 39,999    | 20,562    | 165,571           | 107,997   | 57,574    |
| Newton              | 198,138               | 166,254   | 31,884    | 538,161           | 448,886   | 89,275    |
| Orange              | 19,665                | 12,166    | 7,499     | 53,845            | 32,848    | 20,997    |
| Panola              | 84,658                | 41,559    | 43,099    | 232,886           | 112,209   | 120,677   |
| Polk                | 99,137                | 84,083    | 15,054    | 269,175           | 227,024   | 42,151    |
| Rains               | 437                   | 0         | 437       | 1,224             | 0         | 1,224     |
| Red River           | 110,390               | 28,027    | 82,363    | 306,289           | 75,673    | 230,616   |
| Rusk                | 33,877                | 23,295    | 10,582    | 92,527            | 62,897    | 29,630    |
| Sabine              | 142,248               | 135,370   | 6,878     | 384,757           | 365,499   | 19,258    |
| San Augustine       | 116,475               | 93,218    | 23,257    | 316,809           | 251,689   | 65,120    |
| San Jacinto         | 45,475                | 19,764    | 25,711    | 125,354           | 53,363    | 71,991    |
| Shelby              | 140,200               | 101,565   | 38,635    | 382,404           | 274,226   | 108,178   |
| Smith               | 65,632                | 23,338    | 42,294    | 181,436           | 63,013    | 118,423   |
| Titus               | 35,150                | 391       | 34,759    | 98,381            | 1,056     | 97,325    |
| Trinity             | 11,350                | 11,350    | 0         | 30,645            | 30,645    | 0         |
| Tyler               | 244,920               | 182,778   | 62,142    | 667,499           | 493,501   | 173,998   |
| Upshur              | 11,266                | 2,098     | 9,168     | 31,335            | 5,665     | 25,670    |
| Van Zandt           | 6,829                 | 168       | 6,661     | 19,105            | 454       | 18,651    |
| Walker              | 43,899                | 29,615    | 14,284    | 119,956           | 79,961    | 39,995    |
| Wood                | 21,893                | 1,188     | 20,705    | 61,182            | 3,208     | 57,974    |
| All counties        | 2,601,652             | 1,601,588 | 1,000,064 | 7,124,473         | 4,324,294 | 2,800,179 |

<sup>a</sup> Counties with no pulpwood production are omitted.

**Table A.19—Roundwood pulpwood production in Virginia, 2003**

| County <sup>a</sup> | All species           | Softwood | Hardwood | All species       | Softwood | Hardwood |
|---------------------|-----------------------|----------|----------|-------------------|----------|----------|
|                     | <i>standard cords</i> |          |          | <i>green tons</i> |          |          |
| Accomack            | 529                   | 0        | 529      | 1,481             | 0        | 1,481    |
| Albemarle           | 39,484                | 25,418   | 14,066   | 108,014           | 68,629   | 39,385   |
| Alleghany           | 16,163                | 3,108    | 13,055   | 44,946            | 8,392    | 36,554   |
| Amelia              | 69,524                | 33,381   | 36,143   | 191,329           | 90,129   | 101,200  |
| Amherst             | 34,309                | 14,871   | 19,438   | 94,578            | 40,152   | 54,426   |
| Appomattox          | 43,076                | 27,077   | 15,999   | 117,905           | 73,108   | 44,797   |
| Augusta             | 11,346                | 2,090    | 9,256    | 31,560            | 5,643    | 25,917   |
| Bath                | 19,515                | 5,346    | 14,169   | 54,107            | 14,434   | 39,673   |
| Bedford             | 35,446                | 11,585   | 23,861   | 98,091            | 31,280   | 66,811   |
| Bland               | 1,941                 | 39       | 1,902    | 5,431             | 105      | 5,326    |
| Botetourt           | 24,932                | 4,464    | 20,468   | 69,363            | 12,053   | 57,310   |
| Brunswick           | 145,885               | 95,159   | 50,726   | 398,962           | 256,929  | 142,033  |
| Buchanan            | 73                    | 73       | 0        | 197               | 197      | 0        |
| Buckingham          | 131,232               | 84,404   | 46,828   | 359,009           | 227,891  | 131,118  |
| Campbell            | 53,299                | 22,386   | 30,913   | 146,998           | 60,442   | 86,556   |
| Caroline            | 84,555                | 57,501   | 27,054   | 231,004           | 155,253  | 75,751   |
| Carroll             | 5,423                 | 7        | 5,416    | 15,184            | 19       | 15,165   |
| Charles City        | 15,263                | 7,707    | 7,556    | 41,966            | 20,809   | 21,157   |
| Charlotte           | 60,762                | 25,413   | 35,349   | 167,592           | 68,615   | 98,977   |
| Chesapeake          | 38,866                | 1,104    | 37,762   | 108,715           | 2,981    | 105,734  |
| Chesterfield        | 8,162                 | 4,317    | 3,845    | 22,422            | 11,656   | 10,766   |
| Clarke              | 40                    | 23       | 17       | 110               | 62       | 48       |
| Craig               | 8,619                 | 1,223    | 7,396    | 24,011            | 3,302    | 20,709   |
| Culpeper            | 22,252                | 11,557   | 10,695   | 61,150            | 31,204   | 29,946   |
| Cumberland          | 50,691                | 25,334   | 25,357   | 139,402           | 68,402   | 71,000   |
| Dickenson           | 103,906               | 0        | 103,906  | 290,937           | 0        | 290,937  |
| Dinwiddie           | 56,814                | 41,840   | 14,974   | 154,895           | 112,968  | 41,927   |
| Essex               | 30,590                | 24,083   | 6,507    | 83,244            | 65,024   | 18,220   |
| Fairfax             | 4,663                 | 2,513    | 2,150    | 12,805            | 6,785    | 6,020    |
| Fauquier            | 9,830                 | 5,230    | 4,600    | 27,001            | 14,121   | 12,880   |
| Floyd               | 1,101                 | 0        | 1,101    | 3,083             | 0        | 3,083    |
| Fluvanna            | 24,757                | 15,689   | 9,068    | 67,750            | 42,360   | 25,390   |
| Franklin            | 20,910                | 5,858    | 15,052   | 57,963            | 15,817   | 42,146   |
| Frederick           | 11,784                | 5,931    | 5,853    | 32,402            | 16,014   | 16,388   |
| Giles               | 2,172                 | 7        | 2,165    | 6,081             | 19       | 6,062    |
| Gloucester          | 33,241                | 18,046   | 15,195   | 91,270            | 48,724   | 42,546   |
| Goochland           | 17,827                | 7,975    | 9,852    | 49,119            | 21,533   | 27,586   |
| Grayson             | 4,651                 | 0        | 4,651    | 13,023            | 0        | 13,023   |
| Greene              | 2,042                 | 591      | 1,451    | 5,659             | 1,596    | 4,063    |
| Greensville         | 55,551                | 41,690   | 13,861   | 151,374           | 112,563  | 38,811   |
| Halifax             | 45,285                | 6,446    | 38,839   | 126,153           | 17,404   | 108,749  |
| Hampton             | 144                   | 13       | 131      | 402               | 35       | 367      |
| Hanover             | 15,437                | 11,526   | 3,911    | 42,071            | 31,120   | 10,951   |
| Henrico             | 3,857                 | 1,183    | 2,674    | 10,681            | 3,194    | 7,487    |
| Henry               | 51,877                | 20,689   | 31,188   | 143,186           | 55,860   | 87,326   |
| Highland            | 10,245                | 1,768    | 8,477    | 28,510            | 4,774    | 23,736   |
| Isle of Wight       | 34,985                | 16,635   | 18,350   | 96,295            | 44,915   | 51,380   |
| James City          | 13,808                | 3,852    | 9,956    | 38,277            | 10,400   | 27,877   |
| King and Queen      | 65,004                | 44,982   | 20,022   | 177,513           | 121,451  | 56,062   |
| King George         | 5,883                 | 1,950    | 3,933    | 16,277            | 5,265    | 11,012   |
| King William        | 14,267                | 7,330    | 6,937    | 39,215            | 19,791   | 19,424   |

*continued*

**Table A.19—Roundwood pulpwood production in Virginia, 2003 (continued)**

| County <sup>a</sup> | All species           | Softwood  | Hardwood  | All species       | Softwood  | Hardwood  |
|---------------------|-----------------------|-----------|-----------|-------------------|-----------|-----------|
|                     | <i>standard cords</i> |           |           | <i>green tons</i> |           |           |
| Lancaster           | 13,308                | 6,833     | 6,475     | 36,579            | 18,449    | 18,130    |
| Lee                 | 9                     | 0         | 9         | 25                | 0         | 25        |
| Loudoun             | 13,079                | 435       | 12,644    | 36,578            | 1,175     | 35,403    |
| Louisa              | 55,629                | 20,038    | 35,591    | 153,758           | 54,103    | 99,655    |
| Lunenburg           | 43,207                | 35,611    | 7,596     | 117,419           | 96,150    | 21,269    |
| Madison             | 3,526                 | 665       | 2,861     | 9,807             | 1,796     | 8,011     |
| Mathews             | 1,019                 | 780       | 239       | 2,775             | 2,106     | 669       |
| Mecklenburg         | 32,126                | 23,949    | 8,177     | 87,558            | 64,662    | 22,896    |
| Middlesex           | 13,232                | 7,985     | 5,247     | 36,252            | 21,560    | 14,692    |
| Montgomery          | 5,219                 | 167       | 5,052     | 14,597            | 451       | 14,146    |
| Nelson              | 33,900                | 22,154    | 11,746    | 92,705            | 59,816    | 32,889    |
| New Kent            | 29,692                | 17,269    | 12,423    | 81,410            | 46,626    | 34,784    |
| Newport News        | 2,615                 | 733       | 1,882     | 7,249             | 1,979     | 5,270     |
| Northampton         | 4,487                 | 3,544     | 943       | 12,209            | 9,569     | 2,640     |
| Northumberland      | 6,463                 | 2,493     | 3,970     | 17,847            | 6,731     | 11,116    |
| Nottoway            | 22,174                | 14,055    | 8,119     | 60,682            | 37,949    | 22,733    |
| Orange              | 16,089                | 11,021    | 5,068     | 43,947            | 29,757    | 14,190    |
| Page                | 238                   | 137       | 101       | 653               | 370       | 283       |
| Patrick             | 13,922                | 4,499     | 9,423     | 38,531            | 12,147    | 26,384    |
| Pittsylvania        | 97,457                | 35,418    | 62,039    | 269,338           | 95,629    | 173,709   |
| Powhatan            | 35,647                | 13,402    | 22,245    | 98,471            | 36,185    | 62,286    |
| Prince Edward       | 29,950                | 18,643    | 11,307    | 81,996            | 50,336    | 31,660    |
| Prince George       | 30,119                | 22,424    | 7,695     | 82,091            | 60,545    | 21,546    |
| Prince William      | 17,075                | 4,030     | 13,045    | 47,407            | 10,881    | 36,526    |
| Pulaski             | 1,059                 | 0         | 1,059     | 2,965             | 0         | 2,965     |
| Rappahannock        | 869                   | 756       | 113       | 2,357             | 2,041     | 316       |
| Richmond            | 22,412                | 11,270    | 11,142    | 61,627            | 30,429    | 31,198    |
| Roanoke             | 2,521                 | 416       | 2,105     | 7,017             | 1,123     | 5,894     |
| Rockbridge          | 17,317                | 2,132     | 15,185    | 48,274            | 5,756     | 42,518    |
| Rockingham          | 5,929                 | 1,110     | 4,819     | 16,490            | 2,997     | 13,493    |
| Russell             | 182                   | 0         | 182       | 510               | 0         | 510       |
| Scott               | 867                   | 0         | 867       | 2,428             | 0         | 2,428     |
| Shenandoah          | 9,407                 | 1,402     | 8,005     | 26,199            | 3,785     | 22,414    |
| Smyth               | 2,200                 | 0         | 2,200     | 6,160             | 0         | 6,160     |
| Southampton         | 124,401               | 51,394    | 73,007    | 343,184           | 138,764   | 204,420   |
| Spotsylvania        | 24,875                | 17,825    | 7,050     | 67,868            | 48,128    | 19,740    |
| Stafford            | 7,626                 | 4,098     | 3,528     | 20,943            | 11,065    | 9,878     |
| Suffolk             | 35,842                | 14,002    | 21,840    | 98,957            | 37,805    | 61,152    |
| Surry               | 47,079                | 26,387    | 20,692    | 129,183           | 71,245    | 57,938    |
| Sussex              | 53,661                | 34,181    | 19,480    | 146,833           | 92,289    | 54,544    |
| Tazewell            | 1,990                 | 0         | 1,990     | 5,572             | 0         | 5,572     |
| Virginia Beach      | 3,468                 | 796       | 2,672     | 9,631             | 2,149     | 7,482     |
| Warren              | 2,958                 | 1,214     | 1,744     | 8,161             | 3,278     | 4,883     |
| Washington          | 2,177                 | 0         | 2,177     | 6,096             | 0         | 6,096     |
| Westmoreland        | 7,312                 | 3,101     | 4,211     | 20,164            | 8,373     | 11,791    |
| Wythe               | 99                    | 0         | 99        | 277               | 0         | 277       |
| York                | 1,459                 | 498       | 961       | 4,036             | 1,345     | 2,691     |
| All counties        | 2,457,910             | 1,186,281 | 1,271,629 | 6,763,529         | 3,202,964 | 3,560,565 |

<sup>a</sup> Counties with no pulpwood production are omitted.



Table A.20—Softwood roundwood pulpwood movement between States, 2003

| Southeast                             |             |           |                |                |          |         |           |          |              |           |                    |                      |
|---------------------------------------|-------------|-----------|----------------|----------------|----------|---------|-----------|----------|--------------|-----------|--------------------|----------------------|
| Imported from                         | Exported to |           |                |                |          |         |           |          |              |           |                    | Roundwood production |
|                                       | Florida     | Georgia   | North Carolina | South Carolina | Virginia | Alabama | Louisiana | Maryland | Pennsylvania | Tennessee | Other <sup>a</sup> |                      |
| standard cords                        |             |           |                |                |          |         |           |          |              |           |                    |                      |
| Florida                               | 2,498,067   | 690,030   | 0              | 0              | 0        | 177,222 | 3,171     | 0        | 0            | 0         | 0                  | 3,368,490            |
| Georgia                               | 501,560     | 4,875,133 | 2,834          | 7,300          | 0        | 529,244 | 0         | 0        | 0            | 268,009   | 4,013              | 6,188,093            |
| North Carolina                        | 0           | 240       | 1,487,837      | 445,444        | 78,811   | 0       | 0         | 0        | 0            | 32,493    | 0                  | 2,044,825            |
| South Carolina                        | 0           | 261,277   | 271,994        | 2,417,549      | 0        | 0       | 0         | 0        | 0            | 9,928     | 324                | 2,961,072            |
| Virginia                              | 0           | 0         | 125,442        | 1,072          | 872,909  | 0       | 0         | 133,652  | 53,206       | 0         | 0                  | 1,186,281            |
| Alabama                               | 157,640     | 405,695   | 0              | 0              | 0        | 0       | 0         | 0        | 0            | 0         | 0                  | NA                   |
| Delaware                              | 0           | 0         | 0              | 0              | 0        | 0       | 0         | 0        | 0            | 0         | 0                  | NA                   |
| Louisiana                             | 0           | 0         | 0              | 0              | 0        | 0       | 0         | 0        | 0            | 0         | 0                  | NA                   |
| Maryland                              | 0           | 0         | 0              | 0              | 720      | 0       | 0         | 0        | 0            | 0         | 0                  | NA                   |
| Mississippi                           | 151         | 0         | 0              | 0              | 0        | 0       | 0         | 0        | 0            | 0         | 0                  | NA                   |
| Tennessee                             | 0           | 180       | 0              | 0              | 0        | 0       | 0         | 0        | 0            | 0         | 0                  | NA                   |
| West Virginia                         | 0           | 0         | 0              | 0              | 3,191    | 0       | 0         | 0        | 0            | 0         | 0                  | NA                   |
| Other <sup>b</sup>                    | 0           | 0         | 2,426          | 0              | 0        | 0       | 0         | 0        | 0            | 0         | 0                  | NA                   |
| Roundwood receipts                    | 3,157,418   | 6,232,555 | 1,890,533      | 2,871,365      | 955,631  |         |           |          |              |           |                    | 15,748,761           |
| Total Southeast receipts = 15,107,502 |             |           |                |                |          |         |           |          |              |           |                    |                      |

| South Central                             |                |           |          |           |             |          |           |           |         |         |                |                    |                      |            |
|-------------------------------------------|----------------|-----------|----------|-----------|-------------|----------|-----------|-----------|---------|---------|----------------|--------------------|----------------------|------------|
| Imported from                             | Exported to    |           |          |           |             |          |           |           |         |         |                |                    | Roundwood production |            |
|                                           | Alabama        | Arkansas  | Kentucky | Louisiana | Mississippi | Oklahoma | Tennessee | Texas     | Florida | Georgia | North Carolina | Other <sup>c</sup> |                      |            |
|                                           | standard cords |           |          |           |             |          |           |           |         |         |                |                    |                      |            |
| Alabama                                   | 3,711,738      | 0         | 0        | 5,616     | 245,173     | 0        | 134,488   | 0         | 157,640 | 405,695 | 0              | 5,309              | 4,665,659            |            |
| Arkansas                                  | 0              | 1,075,045 | 0        | 438,060   | 0           | 139,409  | 2,242     | 129,928   | 0       | 0       | 0              | 0                  | 1,784,684            |            |
| Kentucky                                  | 0              | 0         | 23,990   | 0         | 0           | 0        | 6,875     | 0         | 0       | 0       | 0              | 12,132             | 42,997               |            |
| Louisiana                                 | 695            | 49,270    | 0        | 2,839,301 | 21,478      | 42,529   | 0         | 177,624   | 0       | 0       | 0              | 0                  | 3,130,897            |            |
| Mississippi                               | 159,447        | 1,624     | 0        | 963,658   | 1,492,764   | 0        | 279,881   | 0         | 151     | 0       | 0              | 0                  | 2,897,525            |            |
| Oklahoma                                  | 0              | 44,919    | 0        | 961       | 0           | 277,921  | 0         | 351       | 0       | 0       | 0              | 0                  | 324,152              |            |
| Tennessee                                 | 118,560        | 0         | 4,102    | 0         | 7           | 0        | 511,560   | 0         | 0       | 180     | 0              | 0                  | 634,409              |            |
| Texas                                     | 0              | 53,624    | 0        | 281,540   | 0           | 24,282   | 0         | 1,239,716 | 0       | 0       | 2426           | 0                  | 1,601,588            |            |
| Florida                                   | 177,222        | 0         | 0        | 3,171     | 0           | 0        | 0         | 0         | 0       | 0       | 0              | 0                  | NA                   |            |
| Georgia                                   | 529,244        | 0         | 0        | 0         | 0           | 0        | 268,009   | 20        | 0       | 0       | 0              | 0                  | NA                   |            |
| North Carolina                            | 0              | 0         | 0        | 0         | 0           | 0        | 32,493    | 0         | 0       | 0       | 0              | 0                  | NA                   |            |
| South Carolina                            | 0              | 0         | 0        | 0         | 0           | 0        | 9,928     | 0         | 0       | 0       | 0              | 0                  | NA                   |            |
| Other                                     | 0              | 0         | 0        | 0         | 0           | 0        | 0         | 0         | 0       | 0       | 0              | 0                  | NA                   |            |
| Roundwood receipts                        | 4,696,906      | 1,224,482 | 28,092   | 4,532,307 | 1,759,422   | 484,141  | 1,245,476 | 1,547,639 |         |         |                |                    |                      | 15,081,911 |
| Total South Central receipts = 15,518,465 |                |           |          |           |             |          |           |           |         |         |                |                    |                      |            |

NA = not applicable.

<sup>a</sup> Other destinations include Ohio and Texas.

<sup>b</sup> Other sources include Texas.

<sup>c</sup> Other destinations include Ohio.

Table A.21—Hardwood roundwood pulpwood movement between States, 2003

## Southeast

|                                      | Exported to    |           |                |                |           |         |           |          |             |              |           |                    | Roundwood  |
|--------------------------------------|----------------|-----------|----------------|----------------|-----------|---------|-----------|----------|-------------|--------------|-----------|--------------------|------------|
| Imported from                        | Florida        | Georgia   | North Carolina | South Carolina | Virginia  | Alabama | Louisiana | Maryland | Mississippi | Pennsylvania | Tennessee | Other <sup>a</sup> | production |
|                                      | standard cords |           |                |                |           |         |           |          |             |              |           |                    |            |
| Florida                              | 297,383        | 34,767    | 0              | 3,353          | 0         | 19,148  | 2,842     | 0        | 0           | 0            | 0         | 0                  | 357,493    |
| Georgia                              | 115,156        | 1,091,024 | 8,545          | 26,437         | 0         | 143,777 | 432       | 0        | 0           | 0            | 55,967    | 14,972             | 1,456,310  |
| North Carolina                       | 0              | 1,935     | 753,556        | 309,441        | 260,065   | 0       | 89        | 0        | 0           | 0            | 40,932    | 24,854             | 1,390,872  |
| South Carolina                       | 0              | 136,009   | 70,313         | 760,824        | 945       | 0       | 0         | 0        | 0           | 0            | 0         | 0                  | 968,091    |
| Virginia                             | 0              | 0         | 29,161         | 11,276         | 1,053,807 | 0       | 381       | 63,792   | 0           | 9,466        | 56,708    | 47,038             | 1,271,629  |
| Alabama                              | 155,735        | 36,650    | 14,455         | 0              | 0         | 0       | 0         | 0        | 0           | 0            | 0         | 0                  | NA         |
| Delaware                             | 0              | 0         | 0              | 0              | 0         | 0       | 0         | 0        | 0           | 0            | 0         | 0                  | NA         |
| Louisiana                            | 884            | 0         | 0              | 0              | 0         | 0       | 0         | 0        | 0           | 0            | 0         | 0                  | NA         |
| Maryland                             | 0              | 0         | 0              | 0              | 1,255     | 0       | 0         | 0        | 0           | 0            | 0         | 0                  | NA         |
| Mississippi                          | 15,693         | 0         | 0              | 0              | 0         | 0       | 0         | 0        | 0           | 0            | 0         | 0                  | NA         |
| Tennessee                            | 0              | 0         | 66,999         | 0              | 0         | 0       | 0         | 0        | 0           | 0            | 0         | 0                  | NA         |
| West Virginia                        | 0              | 0         | 141            | 0              | 134,462   | 0       | 0         | 0        | 0           | 0            | 0         | 0                  | NA         |
| Other <sup>b</sup>                   | 0              | 0         | 5,017          | 0              | 627       | 0       | 0         | 0        | 0           | 0            | 0         | 0                  | NA         |
| Roundwood receipts                   | 584,851        | 1,300,385 | 948,187        | 1,111,331      | 1,451,161 |         |           |          |             |              |           |                    | 5,444,395  |
| Total Southeast receipts = 5,395,915 |                |           |                |                |           |         |           |          |             |              |           |                    |            |

## South Central

|                                          | Exported to    |           |          |           |             |          |           |           |         |         |                   |                   |                    | Roundwood<br>production |           |
|------------------------------------------|----------------|-----------|----------|-----------|-------------|----------|-----------|-----------|---------|---------|-------------------|-------------------|--------------------|-------------------------|-----------|
| Imported from                            | Alabama        | Arkansas  | Kentucky | Louisiana | Mississippi | Oklahoma | Tennessee | Texas     | Florida | Georgia | North<br>Carolina | South<br>Carolina | Other <sup>c</sup> |                         |           |
|                                          | standard cords |           |          |           |             |          |           |           |         |         |                   |                   |                    |                         |           |
| Alabama                                  | 2,136,557      | 0         | 0        | 505       | 8,153       | 0        | 13,996    | 0         | 155,735 | 36,650  | 14,455            | 0                 | 0                  | 2,366,051               |           |
| Arkansas                                 | 0              | 781,479   | 0        | 88,609    | 2,999       | 0        | 10        | 174,317   | 0       | 0       | 0                 | 0                 | 0                  | 1,047,414               |           |
| Kentucky                                 | 0              | 0         | 165,374  | 7,906     | 0           | 0        | 26,922    | 0         | 0       | 0       | 0                 | 0                 | 13,629             | 213,831                 |           |
| Louisiana                                | 65             | 134,770   | 0        | 705,368   | 10,847      | 0        | 0         | 170,605   | 884     | 0       | 0                 | 0                 | 0                  | 1,022,539               |           |
| Mississippi                              | 302,059        | 141,525   | 93,556   | 449,355   | 156,732     | 0        | 29,020    | 0         | 15,693  | 0       | 0                 | 0                 | 0                  | 1,187,940               |           |
| Oklahoma                                 | 0              | 122,745   | 4,363    | 1,897     | 0           | 77,637   | 0         | 4,336     | 0       | 0       | 0                 | 0                 | 0                  | 210,978                 |           |
| Tennessee                                | 337,267        | 0         | 232,887  | 602       | 0           | 0        | 344,348   | 0         | 0       | 0       | 66,999            | 0                 | 0                  | 982,103                 |           |
| Texas                                    | 0              | 226,500   | 0        | 91,011    | 1,349       | 16,449   | 0         | 659,738   | 0       | 0       | 5,017             | 0                 | 0                  | 1,000,064               |           |
| Florida                                  | 19,148         | 0         | 0        | 2,842     | 0           | 0        | 0         | 0         | 0       | 0       | 0                 | 0                 | 0                  | NA                      |           |
| Georgia                                  | 143,777        | 0         | 14,972   | 432       | 0           | 0        | 55,967    | 0         | 0       | 0       | 0                 | 0                 | 0                  | NA                      |           |
| North Carolina                           | 0              | 0         | 24,854   | 89        | 0           | 0        | 40,932    | 0         | 0       | 0       | 0                 | 0                 | 0                  | NA                      |           |
| South Carolina                           | 0              | 0         | 0        | 0         | 0           | 0        | 0         | 0         | 0       | 0       | 0                 | 0                 | 0                  | NA                      |           |
| Other <sup>d</sup>                       | 0              | 0         | 47,038   | 381       | 0           | 0        | 56,708    | 0         | 0       | 0       | 0                 | 0                 | 0                  | NA                      |           |
| Roundwood receipts                       | 2,938,873      | 1,407,019 | 583,044  | 1,348,997 | 180,080     | 94,086   | 567,903   | 1,008,996 |         |         |                   |                   |                    |                         | 8,030,920 |
| Total South Central receipts = 8,128,998 |                |           |          |           |             |          |           |           |         |         |                   |                   |                    |                         |           |

NA = not applicable.

<sup>a</sup> Other destinations include Kentucky.<sup>b</sup> Other sources include Ohio and Texas.<sup>c</sup> Other destinations include Ohio.<sup>d</sup> Other sources include Virginia.

Table A.22—Southern pulpmills, by process and capacity, 2003

|                         |                          |                                     | Pulping capacity, 24 hours |         |                         |       |          |
|-------------------------|--------------------------|-------------------------------------|----------------------------|---------|-------------------------|-------|----------|
| Location                | Map<br>code <sup>a</sup> | Company                             | All                        | Sulfate | Groundwood              | Semi- | Soda     |
|                         |                          |                                     | processes                  |         | and other<br>mechanical |       | chemical |
| tons                    |                          |                                     |                            |         |                         |       |          |
| Alabama                 |                          |                                     |                            |         |                         |       |          |
| Clairborne <sup>b</sup> | [1,2,3]                  | Alabama River Companies             | 3,600                      | 3,000   | 600                     | 0     | 0        |
| Jackson                 | [4]                      | Boise Cascade Corporation           | 800                        | 800     | 0                       | 0     | 0        |
| Courtland               | [5]                      | International Paper Company         | 2,360                      | 2,360   | 0                       | 0     | 0        |
| Demopolis               | [6]                      | Gulf States Paper Corporation       | 975                        | 975     | 0                       | 0     | 0        |
| Selma                   | [7]                      | International Paper Company         | 1,260                      | 1,260   | 0                       | 0     | 0        |
| Naheola                 | [8]                      | Georgia-Pacific Corporation         | 1,100                      | 1,100   | 0                       | 0     | 0        |
| Brewton                 | [9]                      | Smurfit-Stone Container Corporation | 1,300                      | 1,300   | 0                       | 0     | 0        |
| Coosa Pines             | [10]                     | Bowater, Incorporated               | 1,100                      | 1,100   | 0                       | 0     | 0        |
| Pine Hill               | [11]                     | Weyerhaeuser Company                | 1,850                      | 1,250   | 0                       | 600   | 0        |
| Cottonton               | [12]                     | MeadWestvaco Corporation            | 2,200                      | 2,200   | 0                       | 0     | 0        |
| Stevenson               | [13]                     | Smurfit-Stone Container Corporation | 750                        | 0       | 0                       | 750   | 0        |
| Prattville              | [14]                     | International Paper Company         | 2,710                      | 2,710   | 0                       | 0     | 0        |
| Total                   |                          |                                     | 20,005                     | 18,055  | 600                     | 1,350 | 0        |
| Arkansas                |                          |                                     |                            |         |                         |       |          |
| Pine Bluff              | [15]                     | Delta Natural Kraft                 | 500                        | 500     | 0                       | 0     | 0        |
| Ashdown                 | [16]                     | Domtar Industries, Incorporated     | 2,450                      | 2,450   | 0                       | 0     | 0        |
| Crossett                | [17]                     | Georgia-Pacific Corporation         | 1,600                      | 1,600   | 0                       | 0     | 0        |
| Morrilton               | [18]                     | Green Bay Packaging, Incorporated   | 800                        | 800     | 0                       | 0     | 0        |
| Pine Bluff              | [19]                     | International Paper Company         | 1,550                      | 1,370   | 180                     | 0     | 0        |
| McGehee                 | [20]                     | Potlatch Corporation                | 550                        | 550     | 0                       | 0     | 0        |
| Total                   |                          |                                     | 7,450                      | 7,270   | 180                     | 0     | 0        |
| Florida                 |                          |                                     |                            |         |                         |       |          |
| Perry                   | [21]                     | Buckeye Florida, LP                 | 1,200                      | 1,200   | 0                       | 0     | 0        |
| Cantonment              | [22]                     | International Paper Company         | 1,570                      | 1,570   | 0                       | 0     | 0        |
| Palatka                 | [23]                     | Georgia-Pacific Corporation         | 1,510                      | 1,510   | 0                       | 0     | 0        |
| Fernandina Beach        | [24]                     | Rayonier, Incorporated              | 475                        | 0       | 0                       | 0     | 475      |
| Fernandina Beach        | [25]                     | Smurfit-Stone Container Corporation | 2,200                      | 2,200   | 0                       | 0     | 0        |
| Panama City             | [26]                     | Smurfit-Stone Container Corporation | 1,635                      | 1,635   | 0                       | 0     | 0        |
| Total                   |                          |                                     | 8,590                      | 8,115   | 0                       | 0     | 475      |
| Georgia                 |                          |                                     |                            |         |                         |       |          |
| Augusta                 | [27]                     | Augusta Newsprint Company           | 1,100                      | 0       | 1,100                   | 0     | 0        |
| Augusta                 | [28]                     | International Paper Company         | 2,030                      | 2,030   | 0                       | 0     | 0        |
| Brunswick               | [29]                     | Georgia-Pacific Corporation         | 2,280                      | 2,280   | 0                       | 0     | 0        |
| Cedar Springs           | [30]                     | Georgia-Pacific Corporation         | 2,825                      | 2,300   | 0                       | 525   | 0        |
| Rome                    | [31]                     | Temple-Inland, Inc.                 | 2,250                      | 2,250   | 0                       | 0     | 0        |
| Riceboro                | [32]                     | Interstate Paper LLC                | 700                        | 700     | 0                       | 0     | 0        |
| Jesup                   | [33]                     | Rayonier, Incorporated              | 1,750                      | 1,750   | 0                       | 0     | 0        |
| Valdosta                | [34]                     | Packaging Corporation of America    | 1,300                      | 1,300   | 0                       | 0     | 0        |
| Macon                   | [35]                     | Graphic Packaging Corporation       | 1,450                      | 1,450   | 0                       | 0     | 0        |
| Savannah                | [36]                     | International Paper Company         | 2,830                      | 2,830   | 0                       | 0     | 0        |
| Oglethorpe              | [37]                     | Weyerhaeuser Company                | 1,155                      | 1,155   | 0                       | 0     | 0        |
| Port Wentworth          | [38]                     | Weyerhaeuser Company                | 1,590                      | 1,590   | 0                       | 0     | 0        |
| Total                   |                          |                                     | 21,260                     | 19,635  | 1,100                   | 525   | 0        |

*continued*

Table A.22—Southern pulpmills, by process and capacity, 2003 (continued)

|                  |                          |                                     | Pulping capacity, 24 hours |         |                                       |                   |                        |
|------------------|--------------------------|-------------------------------------|----------------------------|---------|---------------------------------------|-------------------|------------------------|
| Location         | Map<br>code <sup>a</sup> | Company                             | All<br>processes           | Sulfate | Groundwood<br>and other<br>mechanical | Semi-<br>chemical | Soda<br>and<br>sulfite |
| tons             |                          |                                     |                            |         |                                       |                   |                        |
| Kentucky         |                          |                                     |                            |         |                                       |                   |                        |
| Wickliffe        | [39]                     | MeadWestvaco Corporation            | 850                        | 850     | 0                                     | 0                 | 0                      |
| Hawesville       | [40]                     | Weyerhaeuser Company                | 1,400                      | 1,400   | 0                                     | 0                 | 0                      |
| Total            |                          |                                     | 2,250                      | 2,250   | 0                                     | 0                 | 0                      |
| Louisiana        |                          |                                     |                            |         |                                       |                   |                        |
| DeRidder         | [41]                     | Boise Cascade Corporation           | 1,975                      | 1,300   | 675                                   | 0                 | 0                      |
| Bogalusa         | [42]                     | Temple-Inland, Inc.                 | 2,150                      | 2,150   | 0                                     | 0                 | 0                      |
| Port Hudson      | [43]                     | Georgia-Pacific Corporation         | 1,920                      | 1,920   | 0                                     | 0                 | 0                      |
| Bastrop          | [44]                     | International Paper Company         | 1,220                      | 1,220   | 0                                     | 0                 | 0                      |
| Pineville        | [45]                     | International Paper Company         | 1,100                      | 1,100   | 0                                     | 0                 | 0                      |
| Mansfield        | [46]                     | International Paper Company         | 2,740                      | 2,140   | 0                                     | 600               | 0                      |
| St. Francisville | [47]                     | Tembec, USA LLC                     | 575                        | 575     | 0                                     | 0                 | 0                      |
| St. Francisville | [48]                     | Tembec, USA LLC                     | 225                        | 0       | 225                                   | 0                 | 0                      |
| West Monroe      | [49]                     | Graphic Packaging Corporation       | 1,980                      | 1,730   | 0                                     | 250               | 0                      |
| Hodge            | [50]                     | Smurfit-Stone Container Corporation | 1,500                      | 1,500   | 0                                     | 0                 | 0                      |
| Campti           | [51]                     | Weyerhaeuser Company                | 1,050                      | 1,050   | 0                                     | 0                 | 0                      |
| Total            |                          |                                     | 16,435                     | 14,685  | 900                                   | 850               | 0                      |
| Mississippi      |                          |                                     |                            |         |                                       |                   |                        |
| Monticello       | [52]                     | Georgia-Pacific Corporation         | 2,500                      | 2,500   | 0                                     | 0                 | 0                      |
| New Augusta      | [53]                     | Georgia-Pacific Corporation         | 1,550                      | 1,550   | 0                                     | 0                 | 0                      |
| Natchez          | [54]                     | International Paper Company         | 900                        | 900     | 0                                     | 0                 | 0                      |
| Vicksburg        | [55]                     | International Paper Company         | 1,490                      | 1,490   | 0                                     | 0                 | 0                      |
| Grenada          | [56]                     | Bowater, Incorporated               | 675                        | 0       | 675                                   | 0                 | 0                      |
| Columbus         | [57]                     | Weyerhaeuser Company                | 1,670                      | 1,450   | 220                                   | 0                 | 0                      |
| Total            |                          |                                     | 8,785                      | 7,890   | 895                                   | 0                 | 0                      |
| North Carolina   |                          |                                     |                            |         |                                       |                   |                        |
| Roaring River    | [58]                     | Louisiana-Pacific Corporation       | 475                        | 0       | 475                                   | 0                 | 0                      |
| Canton           | [59]                     | Blue Ridge Paper Products, Inc.     | 1,400                      | 1,400   | 0                                     | 0                 | 0                      |
| Roanoke Rapids   | [60]                     | International Paper Company         | 1,630                      | 1,630   | 0                                     | 0                 | 0                      |
| Riegelwood       | [61]                     | International Paper Company         | 1,730                      | 1,730   | 0                                     | 0                 | 0                      |
| New Bern         | [62]                     | Weyerhaeuser Company                | 950                        | 950     | 0                                     | 0                 | 0                      |
| Plymouth         | [63]                     | Weyerhaeuser Company                | 1,450                      | 1,200   | 0                                     | 250               | 0                      |
| Total            |                          |                                     | 7,635                      | 6,910   | 475                                   | 250               | 0                      |
| Oklahoma         |                          |                                     |                            |         |                                       |                   |                        |
| Pryor            | [64]                     | Georgia-Pacific Corporation         | 50                         | 0       | 50                                    | 0                 | 0                      |
| Valliant         | [65]                     | Weyerhaeuser Company                | 2,500                      | 2,000   | 0                                     | 500               | 0                      |
| Total            |                          |                                     | 2,550                      | 2,000   | 50                                    | 500               | 0                      |
| South Carolina   |                          |                                     |                            |         |                                       |                   |                        |
| Catawba          | [66]                     | Bowater, Incorporated               | 2,350                      | 1,350   | 1,000                                 | 0                 | 0                      |
| Georgetown       | [67]                     | International Paper Company         | 1,700                      | 1,700   | 0                                     | 0                 | 0                      |
| Hartsville       | [68]                     | Sonoco Products Company             | 300                        | 0       | 0                                     | 300               | 0                      |
| Florence         | [69]                     | Smurfit-Stone Container Corporation | 1,530                      | 1,530   | 0                                     | 0                 | 0                      |
| Eastover         | [70]                     | International Paper Company         | 1,840                      | 1,840   | 0                                     | 0                 | 0                      |
| Charleston       | [71]                     | MeadWestvaco Corporation            | 2,080                      | 2,080   | 0                                     | 0                 | 0                      |
| Bennettsville    | [72]                     | Weyerhaeuser Company                | 1,000                      | 1,000   | 0                                     | 0                 | 0                      |
| Total            |                          |                                     | 10,800                     | 9,500   | 1,000                                 | 300               | 0                      |

continued

**Table A.22—Southern pulpmills, by process and capacity, 2003 (continued)**

|                  |                          |                                       | Pulping capacity, 24 hours |         |                                       |                   |                        |
|------------------|--------------------------|---------------------------------------|----------------------------|---------|---------------------------------------|-------------------|------------------------|
| Location         | Map<br>code <sup>a</sup> | Company                               | All<br>processes           | Sulfate | Groundwood<br>and other<br>mechanical | Semi-<br>chemical | Soda<br>and<br>sulfite |
| tons             |                          |                                       |                            |         |                                       |                   |                        |
| Tennessee        |                          |                                       |                            |         |                                       |                   |                        |
| Calhoun          | [73]                     | Bowater, Incorporated                 | 1,450                      | 1,000   | 450                                   | 0                 | 0                      |
| New Johnsonville | [74]                     | Temple-Inland, Inc.                   | 400                        | 0       | 0                                     | 400               | 0                      |
| Kingsport        | [75]                     | Weyerhaeuser Company                  | 700                        | 0       | 0                                     | 0                 | 700                    |
| Counce           | [76]                     | Packaging Corporation of America      | 1,950                      | 1,950   | 0                                     | 0                 | 0                      |
| Knoxville        | [77]                     | Tamko Roofing Products, Incorporated  | 125                        | 0       | 125                                   | 0                 | 0                      |
| Total            |                          |                                       | 4,625                      | 2,950   | 575                                   | 400               | 700                    |
| Texas            |                          |                                       |                            |         |                                       |                   |                        |
| Lufkin           | [78]                     | Abitibi-Consolidated                  | 1,345                      | 545     | 800                                   | 0                 | 0                      |
| Texarkana        | [79]                     | International Paper Company           | 1,630                      | 1,630   | 0                                     | 0                 | 0                      |
| Orange           | [80]                     | Inland Paperboard and Packaging, Inc. | 1,600                      | 1,600   | 0                                     | 0                 | 0                      |
| Diboll           | [81]                     | Temple-Inland, Inc.                   | 500                        | 0       | 500                                   | 0                 | 0                      |
| Silsbee          | [82]                     | MeadWestvaco Corporation              | 1,850                      | 1,850   | 0                                     | 0                 | 0                      |
| Total            |                          |                                       | 6,925                      | 5,625   | 1,300                                 | 0                 | 0                      |
| Virginia         |                          |                                       |                            |         |                                       |                   |                        |
| Ashland          | [83]                     | Bear Island Paper Company, LLC        | 880                        | 0       | 880                                   | 0                 | 0                      |
| West Point       | [84]                     | Smurfit-Stone Container Corporation   | 1,700                      | 1,700   | 0                                     | 0                 | 0                      |
| Jarratt          | [85]                     | Georgia-Pacific Corporation           | 400                        | 0       | 400                                   | 0                 | 0                      |
| Big Island       | [86]                     | Georgia-Pacific Corporation           | 750                        | 0       | 0                                     | 750               | 0                      |
| Hopewell         | [87]                     | Smurfit-Stone Container Corporation   | 1,030                      | 1,030   | 0                                     | 0                 | 0                      |
| Franklin         | [88]                     | International Paper Company           | 2,230                      | 2,230   | 0                                     | 0                 | 0                      |
| Riverville       | [89]                     | Greif Corporation                     | 600                        | 0       | 0                                     | 600               | 0                      |
| Covington        | [90]                     | MeadWestvaco Corporation              | 1,700                      | 1,700   | 0                                     | 0                 | 0                      |
| Danville         | [91]                     | Masonite Corporation                  | 790                        | 0       | 790                                   | 0                 | 0                      |
| Total            |                          |                                       | 10,080                     | 6,660   | 2,070                                 | 1,350             | 0                      |
| Total South      |                          |                                       | 127,390                    | 111,545 | 9,145                                 | 5,525             | 1,175                  |

<sup>a</sup> Corresponds to numbers at locations on the mill capacity map (fig. 7).

<sup>b</sup> This is pulping capacity for three mills at this site.

**Table A.23—Other mills using southern pulpwood in 2003, by process and capacity**

|              |                          | Pulping capacity, 24 hours |         |            |       |          |
|--------------|--------------------------|----------------------------|---------|------------|-------|----------|
| Location     | Company                  | All                        | Sulfate | Groundwood | Semi- | Soda     |
|              |                          | processes                  |         | and other  |       | chemical |
| tons         |                          |                            |         |            |       |          |
| Maryland     |                          |                            |         |            |       |          |
| Luke         | MeadWestvaco Corporation | 882                        | 882     |            |       |          |
| Ohio         |                          |                            |         |            |       |          |
| Chillicothe  | MeadWestvaco Corporation | 1,000                      | 1,000   |            |       |          |
| Pennsylvania |                          |                            |         |            |       |          |
| Spring Grove | Glatfelter Company       | 630                        | 630     |            |       |          |



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The South's production of pulpwood declined from 63.8 million cords in 2002 to 61.3 million cords in 2003. Roundwood production increased 5 percent to 44.3 million cords and accounted for 72 percent of the total pulpwood production. The use of wood residue dropped 22 percent to 17.0 million cords. Georgia led the South in total production at 9.7 million cords. In 2003, 91 mills were operating and drawing wood from the 13 Southern States. Southern mills' pulping capacity increased from 127,110 tons per day in 2002 to 127,390 tons per day, and still accounts for more than 70 percent of the Nation's pulping capacity.

**Keywords:** Pulping capacity, pulpmills, pulpwood, residues, roundwood.

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