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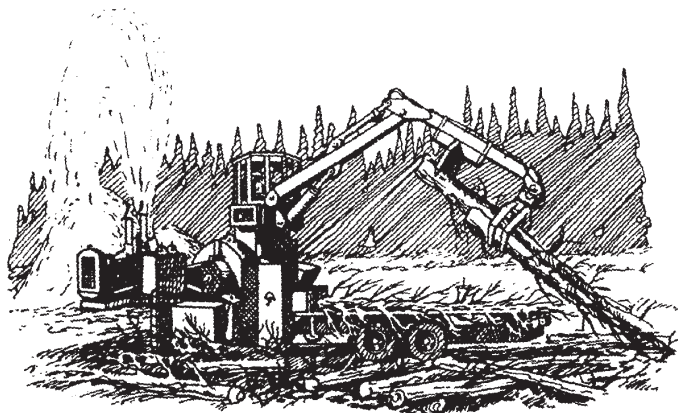
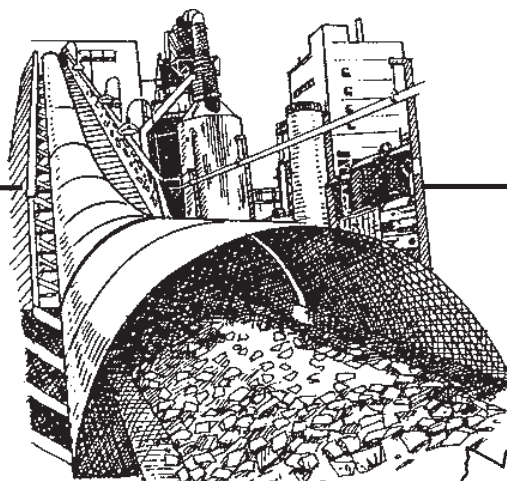


Southern
Research Station

Resource Bulletin
SRS-93

Southern Pulpwood Production, 2002

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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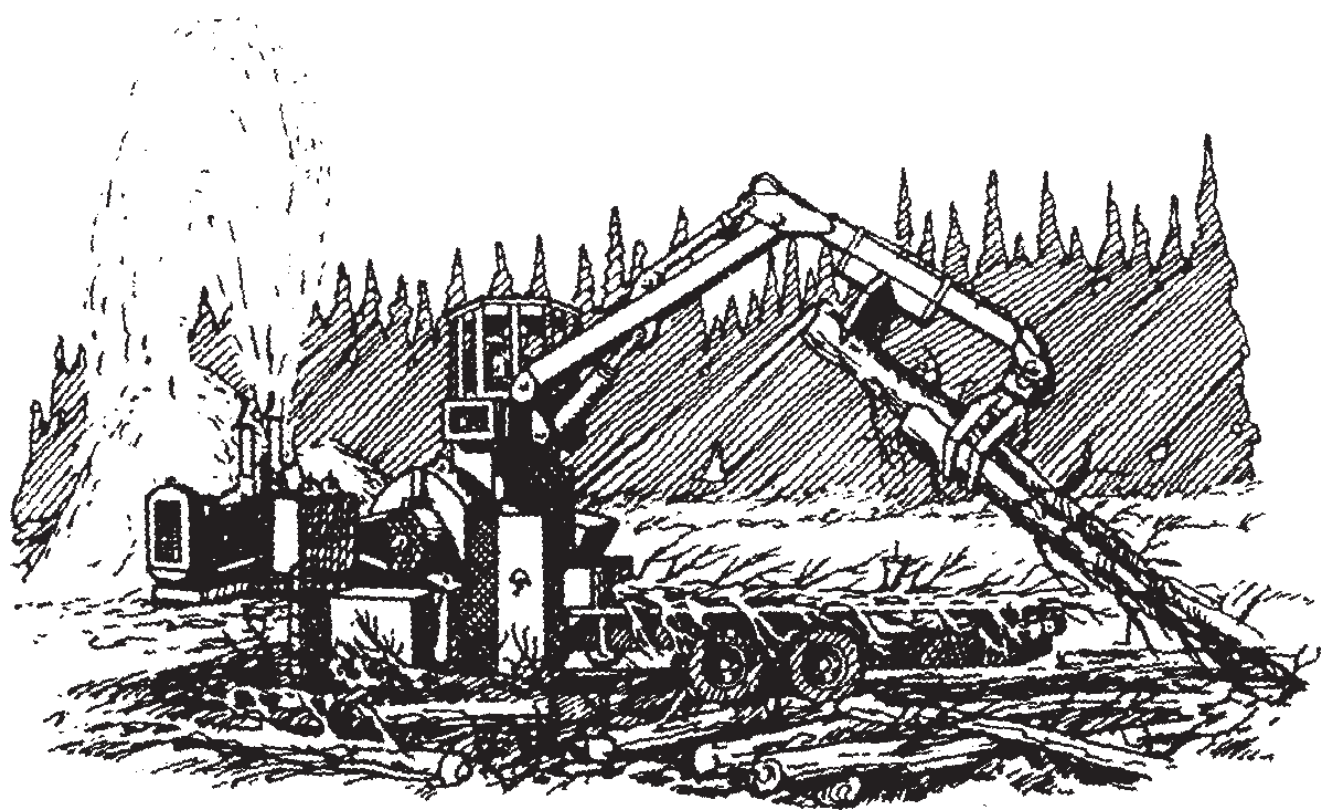
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Southern Pulpwood Production, 2002

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Introduction

This annual publication presents 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 2002, 90 of the 92 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 1, 2, and 7 through 19.

Pulpwood

Total southern pulpwood production, which includes both roundwood chipped at pulpmills or at independent chipmills, and other primary industry mill residues, remained relatively stable in 2002 at 63.8 million cords, or 167.6 million green tons. This slight increase follows 4 years of declines 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. In 2002, the South Central region's (Alabama, Arkansas, Kentucky,

Louisiana, Mississippi, Oklahoma, Tennessee, and Texas) pulpwood production increased 2 percent from 34.5 million cords to 35.0 million cords. Both softwood and hardwood pulpwood production increased in this region. The Southeast's (Florida, Georgia, North Carolina, South Carolina, and Virginia) production declined 1 percent from 29.0 million cords to 28.8 million cords (table 1). Alabama's pulpwood production increased 9 percent from 10.2 million cords in 2001 to 11.1 million cords in 2002, and led the South in total pulpwood production (fig. 1). Georgia's production remained stable at 10.0 million cords. Production in Mississippi was down by 4 percent to 6.6 million cords; Louisiana's production was down 1 percent to 6.4 million cords. South Carolina's production was up 3 percent to 5.8 million cords. Collectively, these five States accounted for 62 percent of the South's total production in 2002 (table 2). Softwood roundwood and residues combined accounted for 69 percent of the total pulpwood production, while hardwoods accounted for the remainder (table 3).

Roundwood

Roundwood pulpwood continues to be the primary fiber source used in pulp manufacture in the South, accounting for 66 percent of the total southern pulpwood production (fig. 2). Overall, the South's roundwood production was down 1 percent in 2002 to a total of 42.1 million cords

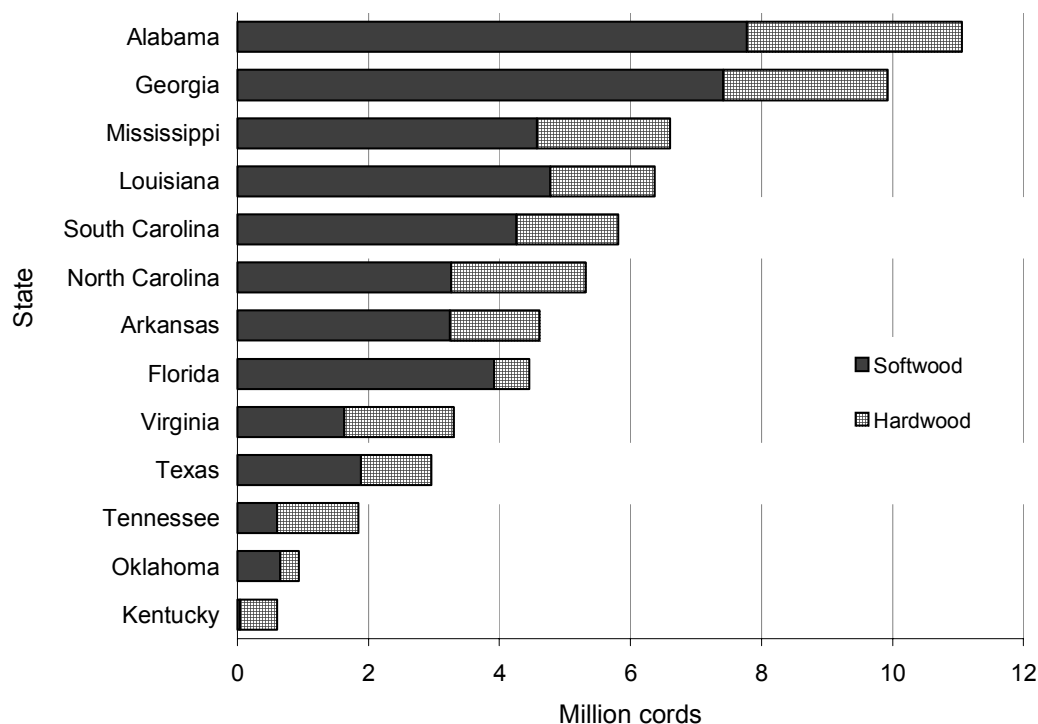


Figure 1—2002 pulpwood production by State and broad species.

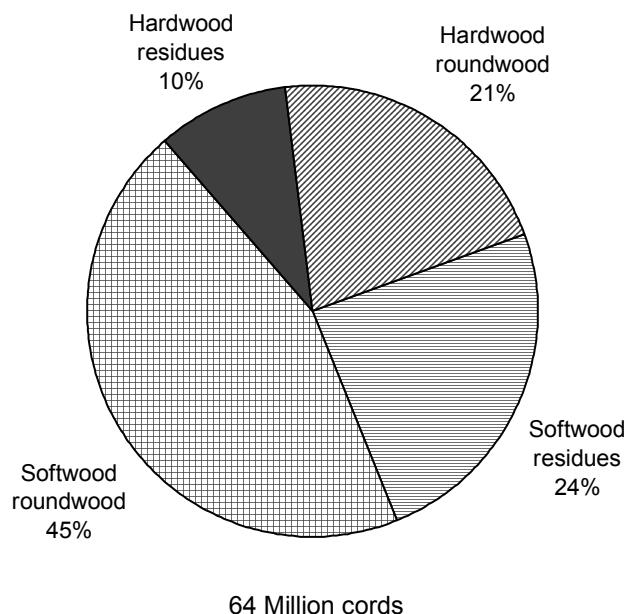


Figure 2—Distribution of total production by roundwood and residues.

(table 4). Softwood accounted for 68 percent of the total roundwood production. Softwood roundwood production was up 2 percent, while hardwood roundwood production declined 5 percent. Alabama led in total roundwood production, with 7.9 million cords, and was the leading producer of softwood and hardwood roundwood, at 5.5 and 2.4 million cords, respectively. Georgia ranked second in roundwood production with 6.9 million cords. Mississippi, South Carolina, and Louisiana followed with 3.9, 3.8, and 3.6 million cords, respectively. Combined production in all five States made up 62 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 sawmill 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 pulpmills as residues should be treated as roundwood because it was technically not a byproduct of the milling process.

In 2002, wood residue production in the South increased 2 percent from 21.2 million cords in 2001 to 21.7 million cords (table 5). Seventy-two percent of wood residues

produced were softwoods. Alabama led the Southern States in the production of wood residues at 3.2 million cords, followed by Georgia with 3.0 million cords and Mississippi and Louisiana with 2.7 million cords each. The eight-State South Central region produced 57 percent of the wood residue, the five-State Southeast region produced the rest.

Parish or County Production

Tables 7 through 19 report county and parish (herein county) patterns of roundwood pulpwood production for domestic pulpmills. Wood residues and pulpwood production exported outside the United States are not included in these figures, because the counties of origin for residues and exports are difficult, if not impossible, to determine. Of the 1,002 counties in the Southern States, 882 produced both softwood and hardwood roundwood compared to 874 in 2001. Of the producing counties, only 13 harvested more than 250,000 cords of softwood and hardwood roundwood combined, with most of these counties in Alabama and Louisiana. Thirteen percent, or 115 counties evenly distributed across the South, had roundwood production ranging between 100,000 and 250,000 cords. The remaining counties had production of less than 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 darkest shade are those that produced more than 100 cords per square mile. Across the South, 181 counties had production of more than 100 cords of softwood per square mile, while 35 counties had hardwood production in that range (table I).

A barometer for degree of local competition for pulpwood is the number of mills procuring wood from each county (figs. 5 and 6). In 356 of the producing counties, or 40 percent, 1 to 3 mills were actively procuring both softwood and

Table I—Number of producing counties in the South, by range of cords per square mile for softwood and hardwood roundwood, 2002

Range	Softwood	Hardwood
	<i>number of counties</i>	
0	77	31
0.001 – 10.0	240	306
10.1 – 50.0	213	387
50.1 – 100.0	171	123
100.1 – 511.0	181	35
Total	882	882

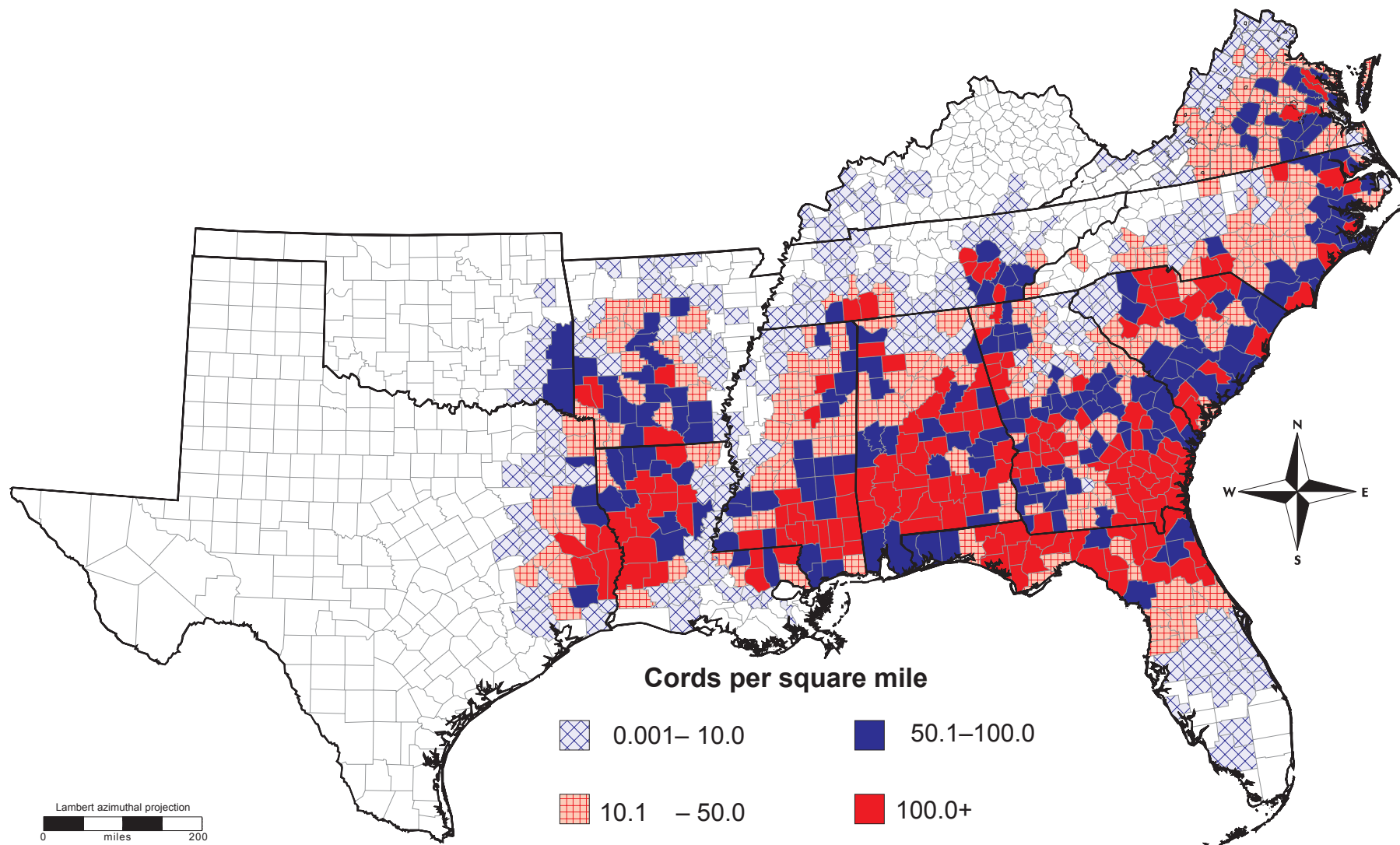


Figure 3—Softwood roundwood production in the South by county or parish, 2002.

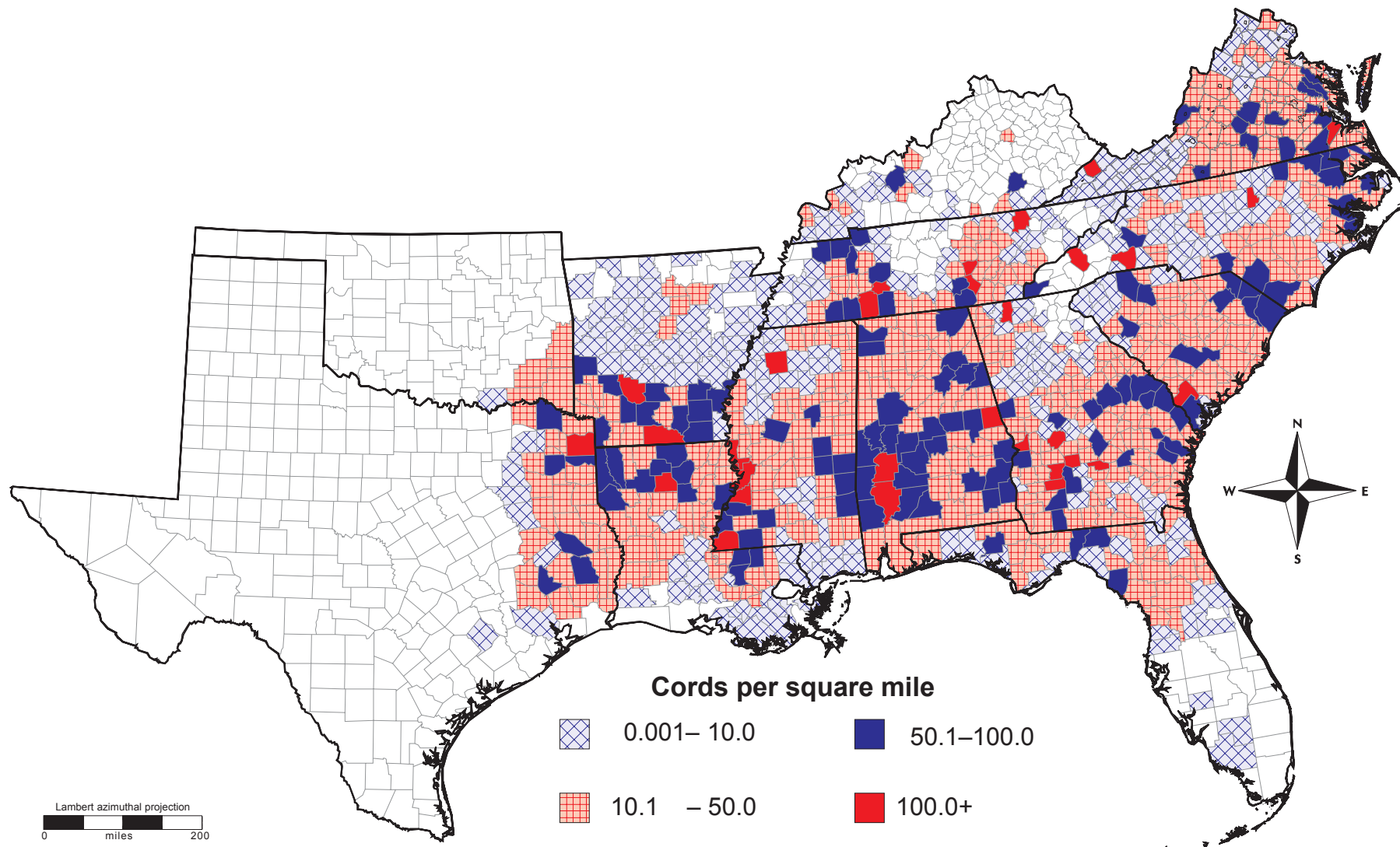


Figure 4—Hardwood roundwood production in the South by county or parish, 2002.

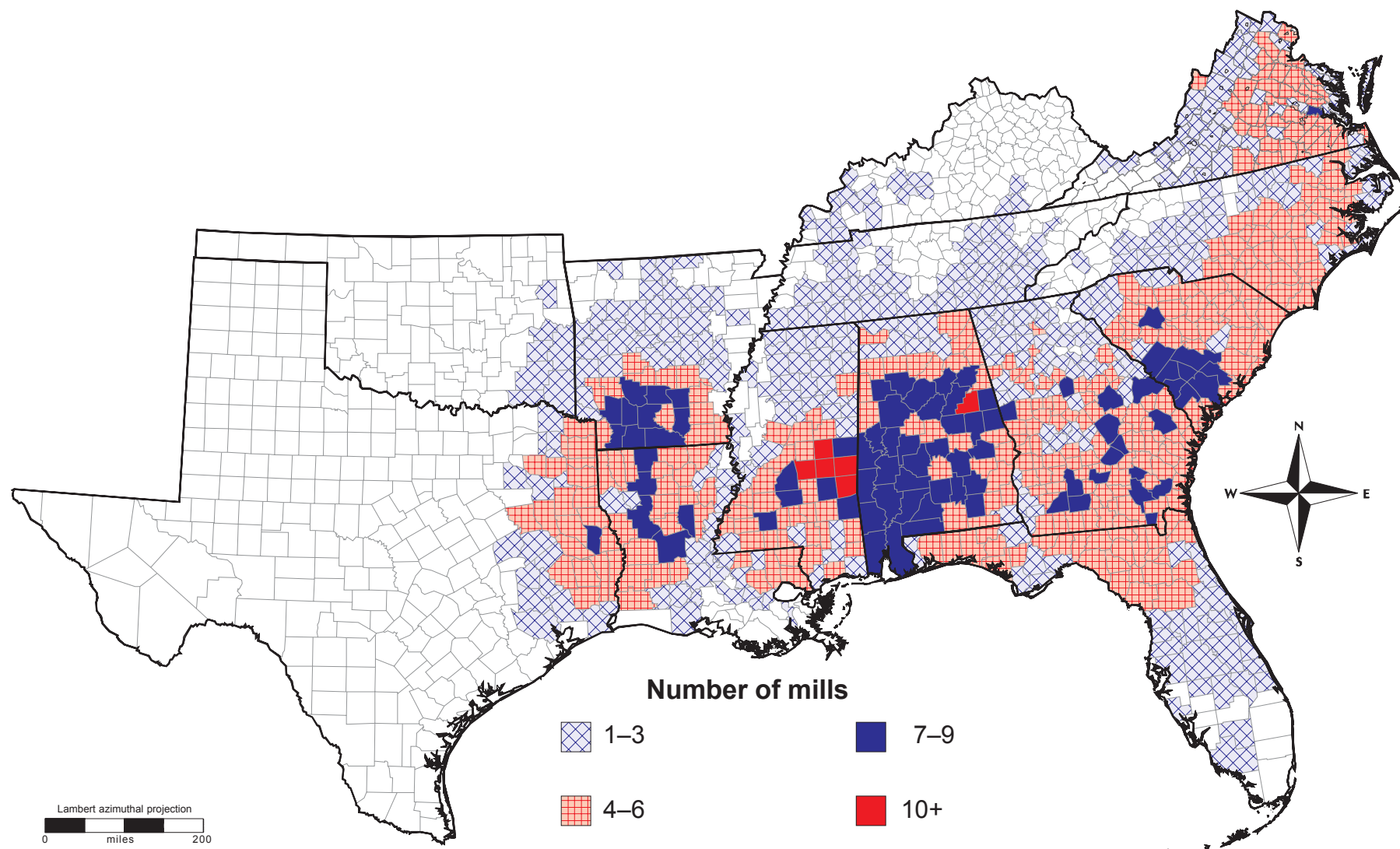


Figure 5—Number of mills competing for softwood roundwood by county or parish, 2002.

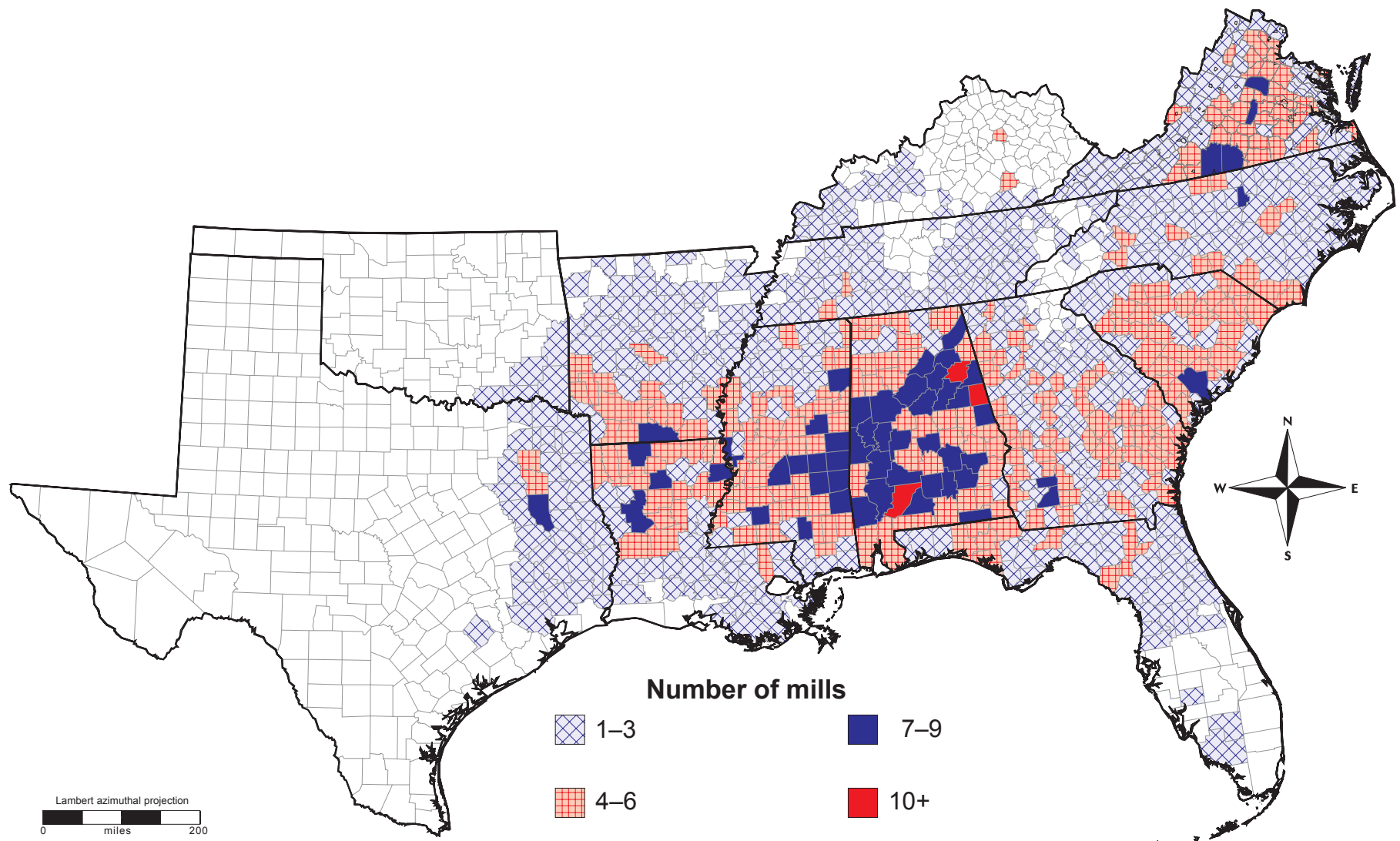


Figure 6—Number of mills competing for hardwood roundwood by county or parish, 2002.

hardwood roundwood (table II). In 324 counties, or 37 percent, 4 to 6 mills were actively procuring wood; and in the remaining 202 counties, or 23 percent, 7 or more mills were active. By comparison, in 1997, 103 pulpmills were active in the South and 347 counties, or 38 percent, had 7 or more mills competing for wood.

Roundwood Movement

Tables 20 and 21 show the softwood and hardwood roundwood movement for the Southeast and South Central regions. Numbers inside the frames represent roundwood

Table II—Number of producing counties in the South by the number of pulpmills procuring softwood and hardwood roundwood, 2002

Number of mills	Total	Softwood	Hardwood
<i>number of counties</i>			
0	0	77	31
1–3	356	405	570
4–6	324	310	243
7–9	163	84	35
10+	39	6	3
Total	882	882	882

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 390,925 cords (tables 20 and 21). The Southeast was a net exporter of pulpwood with softwood and hardwood exports exceeding imports by 372,218 cords.

Mills

In 2002, 92 southern pulpmills were operating and drawing wood from the 13 Southern States (fig. 7), 2 less than in 2001. At the same time, total southern mill pulping capacity

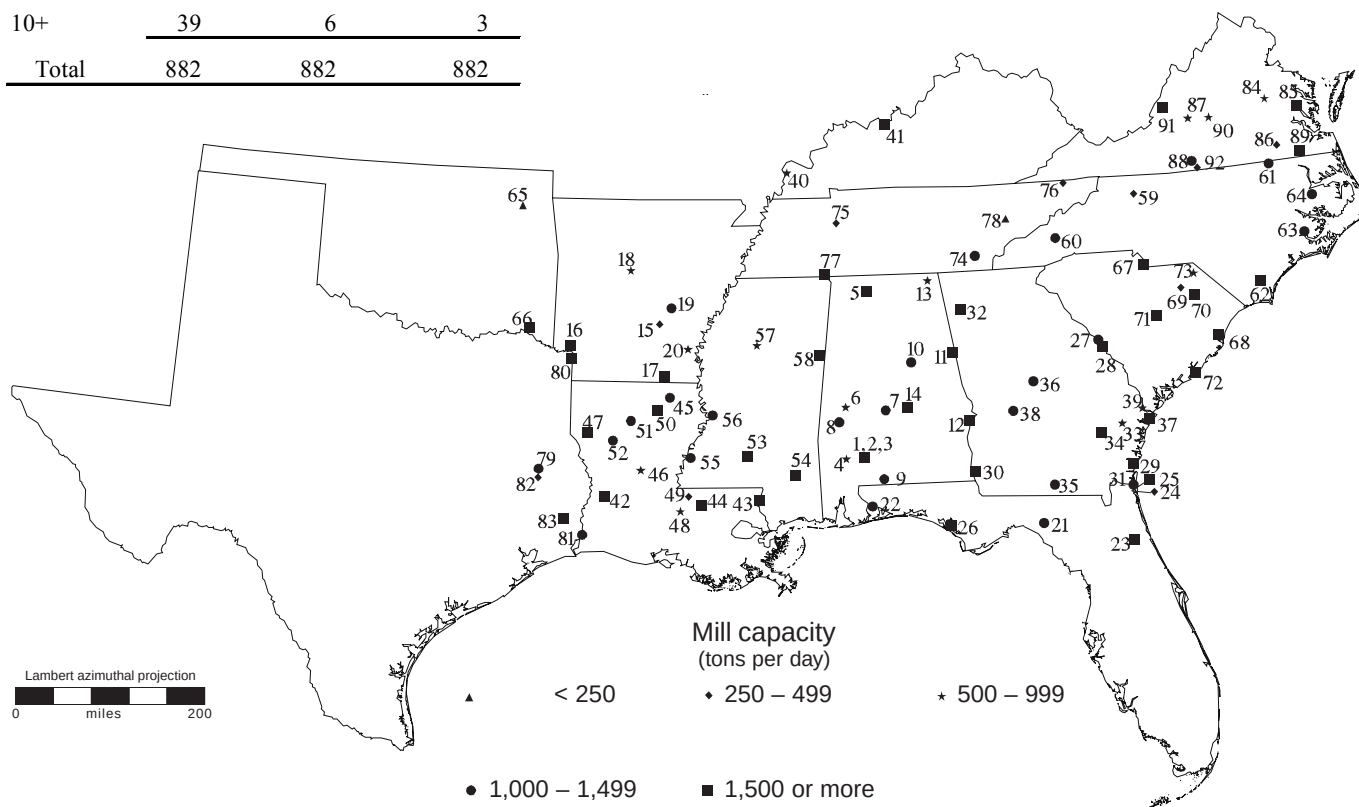


Figure 7—2002 capacity of southern pulpmills operating and drawing wood from the 13 Southern States. Numerals are coded on table 22.

increased 3 percent from 123,105 tons per day in 2001 to 127,110 tons per day in 2002. However, due to mill closures and loss of mill capacity across the Nation, southern mills still account for more than 70 percent of the Nation's total pulping capacity. Daily capacity of individual mills ranged from 50 tons to more than 3,000 tons. In 1992, average pulpmill capacity was 1,295 tons per day, peaking in 1999 at 1,386 tons per day, and dropping to 1,310 tons per day in 2001. Due to mill closures and an increase in capacity, the average daily capacity increased to 1,382 tons per day in 2002. The sulfate process dominated the industry in 2002, accounting for 88 percent of mill capacity. Groundwood or other mechanical processes accounted for 7 percent, semi-chemical 4 percent, and soda and other chemical processes 1 percent (table 22). Based on 2002 production and mill capacity, and using an average of 350 total operating days, southern pulpmills operated at 90-percent capacity.

Alabama and Georgia continued to lead the South in the number of mills operating with 14 and 13, respectively. Georgia led in pulping capacity with 22,055 tons per day, with Alabama next at 20,005 tons per day (table III). In

addition, three pulpmills outside the Southern region drew wood from the South in 2002 (table 23).

Trends

From 1993 through 2002, southern pulpwood production declined by 5 percent from 66.9 to 63.8 million cords (fig. 8). During the same period, roundwood pulpwood production declined from 46.6 to 42.1 million cords, a 10-percent loss. Between 1993 and 2002, softwood roundwood production declined 6 percent, while hardwood roundwood production declined 17 percent. The production of wood residues increased 7 percent from 20.3 million cords in 1993 to 21.7 million cords in 2002. Wood residues continue to be an important source of fiber for the pulp and paper industry in the South, accounting for 34 percent of total pulpwood production in 2002.

Literature Cited

Lockwood-Post's Directory of Pulp, Paper and Allied Trades. 2003. Maps of active mills—worldwide. [New York]: Paperloop: 108-187. Book 9.

Table III—Number of pulpmills and pulping capacity, by State, 2002

State	Mills	24-hour capacity tons
Alabama	14	20,005
Arkansas	6	7,240
Florida	6	8,520
Georgia	13	22,055
Kentucky	2	2,400
Louisiana	11	15,915
Mississippi	6	8,920
North Carolina	6	7,965
Oklahoma	2	2,550
South Carolina	7	10,600
Tennessee	5	4,265
Texas	5	6,695
Virginia	9	9,980
Total	92	127,110

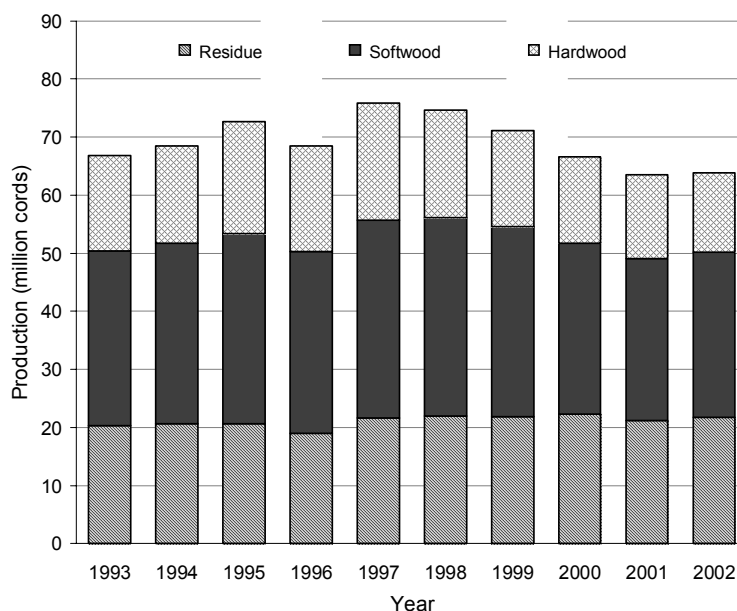


Figure 8—Southern pulpwood production, 1993–2002.

Table 1—Pulpwood production in the Southeast and South Central regions, 2002

Region and source of wood	All species	Softwood	Hardwood	All species	Softwood	Hardwood
	<i>standard cords</i>			<i>green tons</i>		
Southeast^a						
Roundwood	19,407,349	14,101,668	5,305,681	52,930,409	38,074,503	14,855,906
Residues	9,407,255	6,398,284	3,008,971	22,804,987	15,387,873	7,417,114
Total	28,814,604	20,499,952	8,314,652	75,735,396	53,462,376	22,273,020
South Central^b						
Roundwood	22,683,005	14,335,270	8,347,735	62,078,888	38,705,230	23,373,658
Residues	12,313,312	9,236,564	3,076,748	29,798,120	22,213,936	7,584,184
Total	34,996,317	23,571,834	11,424,483	91,877,008	60,919,166	30,957,842
Entire South						
Roundwood	42,090,354	28,436,938	13,653,416	115,009,297	76,779,733	38,229,564
Residues	21,720,567	15,634,848	6,085,719	52,603,107	37,601,809	15,001,298
Total	63,810,921	44,071,786	19,739,135	167,612,404	114,381,542	53,230,862

^a States of Florida, Georgia, North Carolina, South Carolina, and Virginia.

^b States of Alabama, Arkansas, Kentucky, Louisiana, Mississippi, Oklahoma, Tennessee, and Texas.

Table 2—Pulpwood production in the South during 2002, and change since 2001

State	Change	Pulpwood	
	<i>percent</i>	<i>standard cords</i>	<i>green tons</i>
Alabama	9	11,056,704	29,209,517
Arkansas	2	4,617,788	12,061,065
Florida	0	4,451,531	11,777,438
Georgia	0	9,924,035	26,125,100
Kentucky	3	609,554	1,575,361
Louisiana	-1	6,369,217	16,527,943
Mississippi	-4	6,599,840	17,195,449
North Carolina	-3	5,315,913	13,870,418
Oklahoma	20	940,113	2,467,979
South Carolina	3	5,816,023	15,248,756
Tennessee	-6	1,845,108	5,008,539
Texas	-5	2,957,993	7,831,155
Virginia	-6	3,307,102	8,713,684
All States	<1	63,810,921	167,612,404

Table 3—Pulpwood production in the South by State and species group, 2002

State	All species	Softwood	Hardwood
<i>standard cords</i>			
Alabama	11,056,704	7,782,332	3,274,372
Arkansas	4,617,788	3,245,687	1,372,101
Florida	4,451,531	3,914,369	537,162
Georgia	9,924,035	7,415,029	2,509,006
Kentucky	609,554	39,231	570,323
Louisiana	6,369,217	4,779,141	1,590,076
Mississippi	6,599,840	4,575,980	2,023,860
North Carolina	5,315,913	3,268,464	2,047,449
Oklahoma	940,113	656,930	283,183
South Carolina	5,816,023	4,262,895	1,553,128
Tennessee	1,845,108	605,616	1,239,492
Texas	2,957,993	1,886,917	1,071,076
Virginia	3,307,102	1,639,195	1,667,907
All States	63,810,921	44,071,786	19,739,135

Table 4—Roundwood production in the South by State and species group, 2002 and 2001

State	Change	2002			2001		
	from	All			All		
	2001	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>percent</i>						
Alabama	5	7,889.4	5,531.4	2,358.0	7,527.2	5,014.6	2,512.6
Arkansas	2	2,821.7	1,807.6	1,014.1	2,767.2	1,656.3	1,111.0
Florida	-2	3,464.4	3,032.0	432.3	3,540.8	2,948.1	592.6
Georgia	4	6,933.5	5,386.9	1,546.6	6,681.9	4,915.2	1,766.7
Kentucky	15	228.7	36.1	192.6	199.2	14.8	184.4
Louisiana	-8	3,642.2	2,639.0	1,003.2	3,939.8	2,830.7	1,109.1
Mississippi	-9	3,859.7	2,290.2	1,569.5	4,252.5	2,695.9	1,556.5
North Carolina	-2	3,097.7	1,873.3	1,224.4	3,170.5	1,897.6	1,272.9
Oklahoma	49	608.2	343.1	265.1	407.3	226.9	180.4
South Carolina	1	3,819.4	2,786.6	1,032.8	3,768.9	2,689.8	1,079.1
Tennessee	-9	1,550.0	564.4	985.6	1,700.3	760.4	939.9
Texas	-2	2,083.2	1,123.6	959.6	2,125.4	1,080.7	1,044.7
Virginia	-7	2,092.4	1,022.9	1,069.5	2,248.2	1,193.5	1,054.7
All States	<-1	42,090.4	28,436.9	13,653.4	42,329.2	27,924.5	14,404.8

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

Table 5—Southern output of wood residues for pulp manufacture by State and species group, 2002 and 2001

	Change	2002			2001		
	from	All			All		
State	2001	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>percent</i>						
Alabama	20	3,167.3	2,251.0	916.4	2,636.4	1,914.6	721.9
Arkansas	1	1,796.1	1,438.1	358.0	1,770.7	1,511.2	259.6
Florida	6	987.2	882.4	104.8	928.6	899.3	29.4
Georgia	-9	2,990.5	2,028.1	962.4	3,283.0	2,416.1	866.9
Kentucky	-3	380.9	3.2	377.7	393.2	2.1	391.1
Louisiana	10	2,727.0	2,140.2	586.9	2,483.7	1,944.5	539.2
Mississippi	4	2,740.1	2,285.8	454.3	2,636.1	2,212.6	423.4
North Carolina	-4	2,218.2	1,395.2	823.0	2,310.3	1,418.9	891.4
Oklahoma	-11	331.9	313.9	18.1	374.7	366.4	8.3
South Carolina	7	1,996.6	1,476.3	520.3	1,859.4	1,392.4	467.1
Tennessee	11	295.1	41.2	253.9	266.4	45.5	220.9
Texas	-12	874.8	763.3	111.5	999.0	866.5	132.5
Virginia	-4	1,214.7	616.3	598.5	1,265.3	594.9	670.4
All States	2	21,720.6	15,634.8	6,085.7	21,206.8	15,584.8	5,622.0

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

Table 6—Southern output of wood residues for pulp manufacture by State and type of residue, 2002

State	All types	Chips			Other residues ^a		
		All species	Softwood	Hardwood	All species	Softwood	Hardwood
		thousand cords					
Alabama	3,167.3	3,167.3	2,251.0	916.4	0.0	0.0	0.0
Arkansas	1,796.1	1,796.1	1,438.1	358.0	0.0	0.0	0.0
Florida	987.2	987.2	882.4	104.8	0.0	0.0	0.0
Georgia	2,990.5	2,990.5	2,028.1	962.4	0.0	0.0	0.0
Kentucky	380.9	380.9	3.2	377.7	0.0	0.0	0.0
Louisiana	2,727.0	2,727.0	2,140.2	586.9	0.0	0.0	0.0
Mississippi	2,740.1	2,740.1	2,285.8	454.3	0.0	0.0	0.0
North Carolina	2,218.2	2,216.3	1,395.2	821.1	1.9	0.0	1.9
Oklahoma	331.9	331.9	313.9	18.1	0.0	0.0	0.0
South Carolina	1,996.6	1,996.6	1,476.3	520.3	0.0	0.0	0.0
Tennessee	295.1	295.1	41.2	253.9	0.0	0.0	0.0
Texas	874.8	874.8	763.3	111.5	0.0	0.0	0.0
Virginia	1,214.7	1,214.7	616.3	598.5	0.0	0.0	0.0
All States	21,720.6	21,718.7	15,634.8	6,083.8	1.9	0.0	1.9

^a Veneer cores, pole and piling trim, cull material, sawdust, and secondary residues.

Table 7—Roundwood pulpwood production in Alabama, 2002

County ^a	All species			All species		
	Softwood	Hardwood		Softwood	Hardwood	
	<i>standard cords</i>			<i>green tons</i>		
Autauga	116,043	82,373	33,670	316,683	222,407	94,276
Baldwin	150,226	116,702	33,524	408,962	315,095	93,867
Barbour	175,341	153,347	21,994	475,620	414,037	61,583
Bibb	112,611	88,886	23,725	306,422	239,992	66,430
Blount	30,683	5,487	25,196	85,364	14,815	70,549
Bullock	86,222	73,981	12,241	234,024	199,749	34,275
Butler	206,835	175,534	31,301	561,585	473,942	87,643
Calhoun	18,803	5,120	13,683	52,136	13,824	38,312
Chambers	96,544	43,447	53,097	265,979	117,307	148,672
Cherokee	88,150	69,758	18,392	239,845	188,347	51,498
Chilton	101,220	65,692	35,528	276,846	177,368	99,478
Choctaw	271,017	176,164	94,853	741,231	475,643	265,588
Clarke	426,485	271,728	154,757	1,166,986	733,666	433,320
Clay	133,186	98,570	34,616	363,064	266,139	96,925
Cleburne	130,480	109,985	20,495	354,346	296,960	57,386
Coffee	111,856	90,252	21,604	304,171	243,680	60,491
Colbert	66,293	30,584	35,709	182,562	82,577	99,985
Conecuh	278,505	209,524	68,981	758,862	565,715	193,147
Coosa	172,991	140,153	32,838	470,359	378,413	91,946
Covington	161,490	132,933	28,557	438,879	358,919	79,960
Crenshaw	93,062	74,859	18,203	253,087	202,119	50,968
Cullman	31,966	8,757	23,209	88,629	23,644	64,985
Dale	22,998	15,944	7,054	62,800	43,049	19,751
Dallas	178,097	126,340	51,757	486,038	341,118	144,920
De Kalb	28,906	4,752	24,154	80,461	12,830	67,631
Elmore	59,672	50,210	9,462	162,061	135,567	26,494
Escambia	193,684	147,616	46,068	527,553	398,563	128,990
Etowah	36,661	13,102	23,559	101,340	35,375	65,965
Fayette	244,389	226,886	17,503	661,600	612,592	49,008
Franklin	78,073	45,183	32,890	214,086	121,994	92,092
Geneva	70,568	58,853	11,715	191,705	158,903	32,802
Greene	88,285	40,953	47,332	243,103	110,573	132,530
Hale	96,891	63,803	33,088	264,914	172,268	92,646
Henry	50,291	44,236	6,055	136,391	119,437	16,954
Houston	26,711	20,602	6,109	72,730	55,625	17,105
Jackson	71,090	14,036	57,054	197,648	37,897	159,751
Jefferson	33,981	19,781	14,200	93,169	53,409	39,760
Lamar	53,536	34,536	19,000	146,447	93,247	53,200
Lauderdale	32,693	3,481	29,212	91,193	9,399	81,794
Lawrence	25,445	4,989	20,456	70,747	13,470	57,277
Lee	60,377	42,314	18,063	164,824	114,248	50,576
Limestone	10,952	3,146	7,806	30,351	8,494	21,857
Lowndes	93,825	47,963	45,862	257,914	129,500	128,414
Macon	41,535	27,333	14,202	113,565	73,799	39,766
Madison	11,570	2,096	9,474	32,186	5,659	26,527
Marengo	219,625	137,000	82,625	601,250	369,900	231,350
Marion	103,535	87,740	15,795	281,124	236,898	44,226
Marshall	13,427	314	13,113	37,564	848	36,716
Mobile	382,910	345,111	37,799	1,037,637	931,800	105,837
Monroe	486,417	291,331	195,086	1,332,835	786,594	546,241
Montgomery	55,125	40,079	15,046	150,342	108,213	42,129
Morgan	15,134	3,923	11,211	41,983	10,592	31,391
Perry	154,537	113,057	41,480	421,398	305,254	116,144
Pickens	61,868	24,408	37,460	170,790	65,902	104,888
Pike	103,570	54,989	48,581	284,497	148,470	136,027
Randolph	63,969	44,135	19,834	174,700	119,165	55,535
Russell	132,700	96,362	36,338	361,923	260,177	101,746
Shelby	135,247	111,850	23,397	367,507	301,995	65,512
St. Clair	96,093	59,914	36,179	263,069	161,768	101,301
Sumter	143,767	90,511	53,256	393,497	244,380	149,117
Talladega	88,265	72,621	15,644	239,880	196,077	43,803
Tallapoosa	249,259	216,363	32,896	676,289	584,180	92,109
Tuscaloosa	89,955	35,166	54,789	248,357	94,948	153,409
Walker	64,240	31,242	32,998	176,747	84,353	92,394
Washington	144,111	83,124	60,987	395,199	224,435	170,764
Wilcox	328,025	246,984	81,041	893,772	666,857	226,915
Winston	87,343	63,142	24,201	238,246	170,483	67,763
All counties	7,889,361	5,531,357	2,358,004	21,537,074	14,934,663	6,602,411

^a Counties with no pulpwood production are omitted.

Table 8—Roundwood pulpwood production in Arkansas, 2002

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>standard cords</i>			<i>green tons</i>		
Arkansas	11,519	3,842	7,677	31,869	10,373	21,496
Ashley	119,996	78,613	41,383	328,127	212,255	115,872
Baxter	22	22	0	59	59	0
Bradley	147,416	82,057	65,359	404,559	221,554	183,005
Calhoun	62,604	26,262	36,342	172,665	70,907	101,758
Carroll	101	19	82	281	51	230
Chicot	10,904	1,925	8,979	30,339	5,198	25,141
Clark	74,688	57,932	16,756	203,333	156,416	46,917
Cleburne	43,608	36,295	7,313	118,473	97,997	20,476
Cleveland	75,370	47,264	28,106	206,310	127,613	78,697
Columbia	78,092	29,398	48,694	215,718	79,375	136,343
Conway	50,648	22,108	28,540	139,604	59,692	79,912
Craighead	10,979	0	10,979	30,741	0	30,741
Crawford	570	570	0	1,539	1,539	0
Cross	396	10	386	1,108	27	1,081
Dallas	88,033	65,799	22,234	239,912	177,657	62,255
Desha	47,700	137	47,563	133,546	370	133,176
Drew	136,420	90,980	45,440	372,878	245,646	127,232
Faulkner	13,039	13,011	28	35,208	35,130	78
Franklin	1,119	948	171	3,039	2,560	479
Fulton	248	238	10	671	643	28
Garland	15,085	12,447	2,638	40,993	33,607	7,386
Grant	122,944	117,982	4,962	332,445	318,551	13,894
Greene	512	0	512	1,434	0	1,434
Hempstead	84,485	48,399	36,086	231,718	130,677	101,041
Hot Spring	48,382	43,678	4,704	131,102	117,931	13,171
Howard	190,498	175,698	14,800	515,825	474,385	41,440
Independence	34,062	3,406	30,656	95,033	9,196	85,837
Izard	1,420	1,420	0	3,834	3,834	0
Jackson	250	173	77	683	467	216
Jefferson	36,016	31,864	4,152	97,659	86,033	11,626
Johnson	19,877	6,825	13,052	54,974	18,428	36,546
Lafayette	25,544	9,951	15,593	70,528	26,868	43,660
Lee	7,850	0	7,850	21,980	0	21,980
Lincoln	43,619	24,872	18,747	119,646	67,154	52,492
Little River	66,133	31,346	34,787	182,038	84,634	97,404
Logan	26,201	26,161	40	70,747	70,635	112
Lonoke	9,322	5,280	4,042	25,574	14,256	11,318
Madison	20	0	20	56	0	56
Marion	31	8	23	86	22	64
Miller	55,072	18,618	36,454	152,340	50,269	102,071
Mississippi	291	0	291	815	0	815
Monroe	1,943	200	1,743	5,420	540	4,880
Montgomery	14,529	10,188	4,341	39,663	27,508	12,155
Nevada	88,862	41,665	47,197	244,648	112,496	132,152
Newton	410	80	330	1,140	216	924
Ouachita	115,055	57,892	57,163	316,364	156,308	160,056
Perry	40,122	40,040	82	108,338	108,108	230
Phillips	4,558	391	4,167	12,724	1,056	11,668
Pike	122,657	102,792	19,865	333,160	277,538	55,622
Polk	94,415	52,711	41,704	259,091	142,320	116,771
Pope	22,507	22,424	83	60,777	60,545	232
Prairie	2,345	480	1,865	6,518	1,296	5,222
Pulaski	18,787	18,297	490	50,774	49,402	1,372
Saline	88,451	80,682	7,769	239,594	217,841	21,753
Scott	30,351	7,475	22,876	84,236	20,183	64,053
Searcy	3,059	2,940	119	8,271	7,938	333
Sebastian	286	221	65	779	597	182
Sevier	97,096	77,940	19,156	264,075	210,438	53,637
St. Francis	1,341	0	1,341	3,755	0	3,755
Stone	22,850	6,155	16,695	63,365	16,619	46,746
Union	200,951	99,559	101,392	552,707	268,809	283,898
Van Buren	26,181	25,759	422	70,731	69,549	1,182
Washington	8	0	8	22	0	22
White	23,392	17,353	6,039	63,762	46,853	16,909
Yell	40,437	26,788	13,649	110,545	72,328	38,217
All counties	2,821,679	1,807,590	1,014,089	7,719,948	4,880,497	2,839,451

^a Counties with no pulpwood production are omitted.

Table 9—Roundwood pulpwood production in Florida, 2002

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>standard cords</i>			<i>green tons</i>		
Alachua	118,941	82,873	36,068	324,747	223,757	100,990
Baker	145,160	139,818	5,342	392,467	377,509	14,958
Bay	190,489	159,992	30,497	517,370	431,978	85,392
Bradford	36,274	33,160	3,114	98,251	89,532	8,719
Brevard	3,356	2,494	862	9,148	6,734	2,414
Calhoun	131,285	120,018	11,267	355,597	324,049	31,548
Citrus	3,978	3,793	185	10,759	10,241	518
Clay	57,811	55,001	2,810	156,371	148,503	7,868
Collier	69	33	36	190	89	101
Columbia	136,338	129,210	7,128	368,825	348,867	19,958
Dade	441	346	95	1,200	934	266
De Soto	449	0	449	1,257	0	1,257
Dixie	111,297	107,250	4,047	300,907	289,575	11,332
Duval	84,560	80,558	4,002	228,713	217,507	11,206
Escambia	73,210	52,237	20,973	199,764	141,040	58,724
Flagler	69,945	61,379	8,566	189,708	165,723	23,985
Franklin	20,514	20,359	155	55,403	54,969	434
Gadsden	102,620	80,838	21,782	279,253	218,263	60,990
Gilchrist	20,031	18,830	1,201	54,204	50,841	3,363
Gulf	111,720	106,454	5,266	302,171	287,426	14,745
Hamilton	120,965	117,524	3,441	326,950	317,315	9,635
Hardee	4,346	4,268	78	11,742	11,524	218
Hendry	7,016	6,972	44	18,947	18,824	123
Hernando	11,428	11,046	382	30,894	29,824	1,070
Highlands	183	183	0	494	494	0
Hillsborough	391	391	0	1,056	1,056	0
Holmes	97,922	82,649	15,273	265,916	223,152	42,764
Jackson	108,659	86,392	22,267	295,606	233,258	62,348
Jefferson	76,203	57,060	19,143	207,662	154,062	53,600
Lafayette	22,853	22,755	98	61,713	61,439	274
Lake	14,093	11,560	2,533	38,304	31,212	7,092
Leon	25,587	24,539	1,048	69,189	66,255	2,934
Levy	86,561	72,479	14,082	235,123	195,693	39,430
Liberty	81,680	73,189	8,491	221,385	197,610	23,775
Madison	124,653	91,413	33,240	339,887	246,815	93,072
Marion	100,250	88,300	11,950	271,870	238,410	33,460
Martin	21	21	0	57	57	0
Nassau	116,759	97,557	19,202	317,170	263,404	53,766
Okaloosa	70,108	66,093	4,015	189,693	178,451	11,242
Okeechobee	10	10	0	27	27	0
Orange	11,249	8,784	2,465	30,619	23,717	6,902
Osceola	1,265	1,214	51	3,421	3,278	143
Palm Beach	125	10	115	349	27	322
Pasco	11,634	11,119	515	31,463	30,021	1,442
Pinellas	19	19	0	51	51	0
Polk	771	771	0	2,082	2,082	0
Putnam	156,597	135,740	20,857	424,898	366,498	58,400
Santa Rosa	85,460	73,824	11,636	231,906	199,325	32,581
Sarasota	58	58	0	157	157	0
Seminole	5,714	5,307	407	15,469	14,329	1,140
St. Johns	88,345	68,601	19,744	240,506	185,223	55,283
St. Lucie	1,768	663	1,105	4,884	1,790	3,094
Sumter	1,969	1,705	264	5,343	4,604	739
Suwannee	50,228	48,979	1,249	135,740	132,243	3,497
Taylor	295,201	288,491	6,710	797,714	778,926	18,788
Union	64,432	61,336	3,096	174,276	165,607	8,669
Volusia	20,187	16,474	3,713	54,876	44,480	10,396
Wakulla	24,552	21,763	2,789	66,569	58,760	7,809
Walton	72,221	65,138	7,083	195,705	175,873	19,832
Washington	84,379	52,966	31,413	230,964	143,008	87,956
All counties	3,464,350	3,032,006	432,344	9,396,982	8,186,418	1,210,564

^a Counties with no pulpwood production are omitted.

Table 10—Roundwood pulpwood production in Georgia, 2002

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>standard cords</i>			<i>green tons</i>		
Appling	122,720	106,856	15,864	332,930	288,511	44,419
Atkinson	49,808	48,861	947	134,577	131,925	2,652
Bacon	44,482	32,852	11,630	121,264	88,700	32,564
Baker	36,318	30,082	6,236	98,682	81,221	17,461
Baldwin	26,076	20,404	5,672	70,973	55,091	15,882
Banks	781	781	0	2,109	2,109	0
Barrow	1,287	0	1,287	3,604	0	3,604
Bartow	52,436	44,837	7,599	142,337	121,060	21,277
Ben Hill	49,110	12,019	37,091	136,306	32,451	103,855
Berrien	15,601	11,489	4,112	42,534	31,020	11,514
Bibb	15,613	12,771	2,842	42,440	34,482	7,958
Bleckley	7,106	6,758	348	19,221	18,247	974
Brantley	109,505	96,496	13,009	296,964	260,539	36,425
Brooks	26,336	24,663	1,673	71,274	66,590	4,684
Bryan	65,532	48,200	17,332	178,670	130,140	48,530
Bulloch	60,356	27,062	33,294	166,290	73,067	93,223
Burke	173,774	106,078	67,696	475,960	286,411	189,549
Butts	213	213	0	575	575	0
Calhoun	27,692	26,616	1,076	74,876	71,863	3,013
Camden	101,291	89,080	12,211	274,707	240,516	34,191
Candler	36,548	26,667	9,881	99,668	72,001	27,667
Carroll	72,884	70,777	2,107	196,998	191,098	5,900
Catoosa	2,577	2,076	501	7,008	5,605	1,403
Charlton	123,859	118,468	5,391	334,959	319,864	15,095
Chatham	60,666	38,868	21,798	165,978	104,944	61,034
Chattahoochee	59,652	30,032	29,620	164,022	81,086	82,936
Chattooga	46,264	42,069	4,195	125,332	113,586	11,746
Cherokee	64,319	58,002	6,317	174,293	156,605	17,688
Clay	33,479	31,605	1,874	90,581	85,334	5,247
Clayton	1,423	870	553	3,897	2,349	1,548
Clinch	140,231	130,326	9,905	379,614	351,880	27,734
Cobb	488	411	77	1,326	1,110	216
Coffee	79,746	70,726	9,020	216,216	190,960	25,256
Colquitt	31,780	30,255	1,525	85,959	81,689	4,270
Columbia	30,584	26,239	4,345	83,011	70,845	12,166
Cook	4,434	3,300	1,134	12,085	8,910	3,175
Coweta	16,649	14,712	1,937	45,146	39,722	5,424
Crawford	85,481	58,824	26,657	233,465	158,825	74,640
Crisp	57,818	12,073	45,745	160,683	32,597	128,086
Dade	6,580	229	6,351	18,401	618	17,783
Dawson	11,555	11,266	289	31,227	30,418	809
Decatur	96,399	75,568	20,831	262,361	204,034	58,327
De Kalb	4	0	4	11	0	11
Dodge	66,811	31,901	34,910	183,881	86,133	97,748
Dooly	63,380	55,974	7,406	171,867	151,130	20,737
Dougherty	14,787	9,443	5,344	40,459	25,496	14,963
Douglas	778	532	246	2,125	1,436	689
Early	65,397	58,699	6,698	177,241	158,487	18,754
Echols	86,449	79,881	6,568	234,069	215,679	18,390
Effingham	122,994	90,998	31,996	335,284	245,695	89,589
Elbert	3,318	2,505	813	9,040	6,764	2,276
Emanuel	110,349	76,662	33,687	301,311	206,987	94,324
Evans	32,018	20,262	11,756	87,624	54,707	32,917

continued

Table 10—Roundwood pulpwood production in Georgia, 2002 (continued)

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>standard cords</i>			<i>green tons</i>		
Fannin	11,993	10,887	1,106	32,492	29,395	3,097
Fayette	720	580	140	1,958	1,566	392
Floyd	98,932	88,593	10,339	268,150	239,201	28,949
Forsyth	11,143	7,974	3,169	30,403	21,530	8,873
Franklin	139	0	139	389	0	389
Fulton	17,886	16,573	1,313	48,423	44,747	3,676
Gilmer	13,398	12,484	914	36,266	33,707	2,559
Glascock	24,152	17,388	6,764	65,887	46,948	18,939
Glynn	197,436	179,651	17,785	534,856	485,058	49,798
Gordon	35,243	28,766	6,477	95,804	77,668	18,136
Grady	37,918	33,928	3,990	102,778	91,606	11,172
Greene	6,228	3,841	2,387	17,055	10,371	6,684
Gwinnett	10,488	9,617	871	28,405	25,966	2,439
Habersham	4,254	4,254	0	11,486	11,486	0
Hall	1,686	1,605	81	4,561	4,334	227
Hancock	37,867	24,493	13,374	103,578	66,131	37,447
Haralson	38,650	34,477	4,173	104,772	93,088	11,684
Harris	57,586	50,439	7,147	156,197	136,185	20,012
Hart	31	31	0	84	84	0
Heard	64,820	63,706	1,114	175,125	172,006	3,119
Henry	13,304	10,288	3,016	36,223	27,778	8,445
Houston	26,517	23,431	3,086	71,905	63,264	8,641
Irwin	31,416	24,641	6,775	85,501	66,531	18,970
Jackson	129	67	62	355	181	174
Jasper	27,738	24,340	3,398	75,232	65,718	9,514
Jeff Davis	80,047	58,097	21,950	218,322	156,862	61,460
Jefferson	56,218	28,616	27,602	154,549	77,263	77,286
Jenkins	56,841	29,139	27,702	156,241	78,675	77,566
Johnson	30,128	16,107	14,021	82,748	43,489	39,259
Jones	17,871	17,020	851	48,337	45,954	2,383
Lamar	12,229	9,623	2,606	33,279	25,982	7,297
Lanier	6,581	6,412	169	17,785	17,312	473
Laurens	52,095	32,236	19,859	142,642	87,037	55,605
Lee	57,507	31,441	26,066	157,876	84,891	72,985
Liberty	99,709	70,670	29,039	272,118	190,809	81,309
Lincoln	11,796	7,688	4,108	32,260	20,758	11,502
Long	119,042	83,292	35,750	324,988	224,888	100,100
Lowndes	23,326	19,837	3,489	63,329	53,560	9,769
Lumpkin	12,910	12,910	0	34,857	34,857	0
Macon	88,449	59,230	29,219	241,734	159,921	81,813
Madison	1,219	151	1,068	3,398	408	2,990
Marion	86,014	68,217	17,797	234,018	184,186	49,832
McDuffie	19,599	8,982	10,617	53,979	24,251	29,728
McIntosh	111,145	91,599	19,546	302,046	247,317	54,729
Meriwether	64,263	57,755	6,508	174,161	155,939	18,222
Miller	9,508	5,746	3,762	26,048	15,514	10,534
Mitchell	68,371	48,849	19,522	186,554	131,892	54,662
Monroe	54,391	39,978	14,413	148,297	107,941	40,356
Montgomery	32,881	22,675	10,206	89,800	61,223	28,577
Morgan	9,247	5,756	3,491	25,316	15,541	9,775
Murray	79,078	36,731	42,347	217,746	99,174	118,572
Muscogee	76,849	72,214	4,635	207,956	194,978	12,978
Newton	7,805	7,595	210	21,095	20,507	588

continued

Table 10—Roundwood pulpwood production in Georgia, 2002 (continued)

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>standard cords</i>			<i>green tons</i>		
Oconee	2,863	2,293	570	7,787	6,191	1,596
Oglethorpe	6,507	5,450	1,057	17,675	14,715	2,960
Paulding	37,213	30,443	6,770	101,152	82,196	18,956
Peach	5,245	5,229	16	14,163	14,118	45
Pickens	36,043	33,367	2,676	97,584	90,091	7,493
Pierce	56,856	47,916	8,940	154,405	129,373	25,032
Pike	4,814	4,379	435	13,041	11,823	1,218
Polk	45,743	34,506	11,237	124,630	93,166	31,464
Pulaski	21,409	13,860	7,549	58,559	37,422	21,137
Putnam	29,742	25,612	4,130	80,716	69,152	11,564
Quitman	16,632	15,770	862	44,993	42,579	2,414
Randolph	104,896	93,101	11,795	284,399	251,373	33,026
Richmond	25,596	11,187	14,409	70,550	30,205	40,345
Rockdale	1,544	1,521	23	4,171	4,107	64
Schley	35,270	28,910	6,360	95,865	78,057	17,808
Screven	81,441	47,226	34,215	223,312	127,510	95,802
Seminole	19,849	19,038	811	53,674	51,403	2,271
Spalding	1,314	1,225	89	3,557	3,308	249
Stewart	112,082	90,317	21,765	304,798	243,856	60,942
Sumter	124,379	91,310	33,069	339,130	246,537	92,593
Talbot	50,666	43,539	7,127	137,511	117,555	19,956
Taliaferro	9,251	4,457	4,794	25,457	12,034	13,423
Tattnall	52,742	37,798	14,944	143,898	102,055	41,843
Taylor	83,522	54,262	29,260	228,435	146,507	81,928
Telfair	61,289	50,637	10,652	166,546	136,720	29,826
Terrell	58,339	47,653	10,686	158,584	128,663	29,921
Thomas	34,975	31,581	3,394	94,772	85,269	9,503
Tift	2,477	2,255	222	6,711	6,089	622
Toombs	60,062	51,913	8,149	162,982	140,165	22,817
Treutlen	27,352	19,279	8,073	74,657	52,053	22,604
Troup	56,261	34,146	22,115	154,116	92,194	61,922
Turner	18,468	16,362	2,106	50,074	44,177	5,897
Twiggs	56,442	50,373	6,069	153,000	136,007	16,993
Union	7,759	7,659	100	20,959	20,679	280
Upson	36,893	36,309	584	99,669	98,034	1,635
Walker	7,091	4,877	2,214	19,367	13,168	6,199
Walton	1,936	282	1,654	5,392	761	4,631
Ware	189,216	185,751	3,465	511,230	501,528	9,702
Warren	33,358	20,974	12,384	91,305	56,630	34,675
Washington	117,368	55,591	61,777	323,072	150,096	172,976
Wayne	150,379	131,843	18,536	407,877	355,976	51,901
Webster	49,142	40,911	8,231	133,507	110,460	23,047
Wheeler	57,206	46,984	10,222	155,479	126,857	28,622
White	205	205	0	554	554	0
Whitfield	26,508	23,080	3,428	71,914	62,316	9,598
Wilcox	36,637	31,915	4,722	99,393	86,171	13,222
Wilkes	22,088	9,053	13,035	60,941	24,443	36,498
Wilkinson	70,116	47,733	22,383	191,551	128,879	62,672
Worth	55,811	49,873	5,938	151,283	134,657	16,626
All counties	6,933,528	5,386,913	1,546,615	18,875,196	14,544,669	4,330,527

^a Counties with no pulpwood production are omitted.

Table 11—Roundwood pulpwood production in Kentucky, 2002

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>standard cords</i>			<i>green tons</i>		
Ballard	4,499	653	3,846	12,532	1,763	10,769
Breckinridge	8,394	0	8,394	23,503	0	23,503
Butler	16,018	77	15,941	44,843	208	44,635
Caldwell	5,580	2,025	3,555	15,422	5,468	9,954
Calloway	3,865	2,953	912	10,527	7,973	2,554
Carlisle	10,487	86	10,401	29,355	232	29,123
Carter	1,395	304	1,091	3,876	821	3,055
Christian	1,908	1,846	62	5,158	4,984	174
Clark	7,729	0	7,729	21,641	0	21,641
Crittenden	7,363	4,285	3,078	20,188	11,570	8,618
Daviess	80	80	0	216	216	0
Edmonson	1,981	532	1,449	5,493	1,436	4,057
Fulton	2,005	0	2,005	5,614	0	5,614
Graves	7,450	2,252	5,198	20,634	6,080	14,554
Grayson	4,770	391	4,379	13,317	1,056	12,261
Greenup	9,981	2,078	7,903	27,739	5,611	22,128
Hickman	2,031	0	2,031	5,687	0	5,687
Hopkins	1,243	568	675	3,424	1,534	1,890
Knox	2,336	1,953	383	6,345	5,273	1,072
Laurel	42,255	2,207	40,048	118,093	5,959	112,134
Lewis	7,717	260	7,457	21,582	702	20,880
Livingston	8,044	1,969	6,075	22,326	5,316	17,010
Lyon	11,566	7,408	4,158	31,644	20,002	11,642
Marshall	4,675	3,648	1,027	12,726	9,850	2,876
McCracken	861	0	861	2,411	0	2,411
McCreary	6,144	38	6,106	17,200	103	17,097
McLean	486	0	486	1,361	0	1,361
Muhlenberg	2,035	0	2,035	5,698	0	5,698
Ohio	39,926	239	39,687	111,769	645	111,124
Trigg	1,262	0	1,262	3,534	0	3,534
Union	192	192	0	518	518	0
Whitley	4,397	9	4,388	12,310	24	12,286
All counties	228,675	36,053	192,622	636,686	97,344	539,342

^a Counties with no pulpwood production are omitted.

Table 12—Roundwood pulpwood production in Louisiana, 2002

Parish ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>standard cords</i>			<i>green tons</i>		
Acadia	1,637	1,637	0	4,420	4,420	0
Allen	81,028	55,172	25,856	221,361	148,964	72,397
Ascension	1,003	24	979	2,806	65	2,741
Assumption	349	10	339	976	27	949
Avoyelles	5,837	5,406	431	15,803	14,596	1,207
Beauregard	325,658	299,947	25,711	881,848	809,857	71,991
Bienville	123,483	69,566	53,917	338,796	187,828	150,968
Bossier	86,521	25,218	61,303	239,737	68,089	171,648
Caddo	43,435	15,339	28,096	120,084	41,415	78,669
Calcasieu	26,233	26,148	85	70,838	70,600	238
Caldwell	116,338	88,383	27,955	316,908	238,634	78,274
Catahoula	68,850	50,088	18,762	187,772	135,238	52,534
Claiborne	31,298	19,672	11,626	85,667	53,114	32,553
Concordia	25,562	153	25,409	71,558	413	71,145
De Soto	160,215	89,027	71,188	439,699	240,373	199,326
East Baton Rouge	5,516	912	4,604	15,353	2,462	12,891
East Carroll	9,992	11	9,981	27,977	30	27,947
East Feliciana	22,182	16,644	5,538	60,445	44,939	15,506
Evangeline	22,624	22,401	223	61,107	60,483	624
Franklin	14,718	4,553	10,165	40,755	12,293	28,462
Grant	51,626	48,732	2,894	139,679	131,576	8,103
Iberia	12	12	0	32	32	0
Iberville	4,880	0	4,880	13,664	0	13,664
Jackson	144,210	98,725	45,485	393,916	266,558	127,358
Jefferson	264	216	48	717	583	134
Jefferson Davis	2,053	2,053	0	5,543	5,543	0
Lafayette	256	238	18	693	643	50
Lafourche	2,116	0	2,116	5,925	0	5,925
La Salle	130,863	114,072	16,791	355,009	307,994	47,015
Lincoln	53,778	20,727	33,051	148,506	55,963	92,543
Livingston	44,730	31,140	13,590	122,130	84,078	38,052
Madison	33,288	33	33,255	93,203	89	93,114
Morehouse	54,643	29,663	24,980	150,034	80,090	69,944
Natchitoches	162,648	130,337	32,311	442,381	351,910	90,471
Orleans	588	0	588	1,646	0	1,646
Ouachita	84,569	49,779	34,790	231,815	134,403	97,412
Plaquemines	187	7	180	523	19	504
Pointe Coupee	20,100	69	20,031	56,273	186	56,087
Rapides	127,984	107,450	20,534	347,610	290,115	57,495
Red River	23,671	16,589	7,082	64,620	44,790	19,830
Richland	12,586	218	12,368	35,219	589	34,630
Sabine	293,705	262,285	31,420	796,146	708,170	87,976
St. Bernard	142	0	142	398	0	398
St. Helena	74,708	65,467	9,241	202,636	176,761	25,875
St. James	9,878	21	9,857	27,657	57	27,600
St. John the Baptist	37	0	37	104	0	104
St. Landry	5,763	1,799	3,964	15,956	4,857	11,099
St. Martin	664	39	625	1,855	105	1,750
St. Mary	12	0	12	34	0	34
St. Tammany	30,826	30,826	0	83,230	83,230	0
Tangipahoa	71,270	44,296	26,974	195,126	119,599	75,527
Tensas	38,235	75	38,160	107,051	203	106,848
Terrebonne	118	0	118	330	0	330
Union	168,611	95,204	73,407	462,591	257,051	205,540
Vermilion	37	37	0	100	100	0
Vernon	430,373	389,329	41,044	1,166,111	1,051,188	114,923
Washington	118,706	118,000	706	320,577	318,600	1,977
Webster	43,179	26,589	16,590	118,242	71,790	46,452
West Baton Rouge	2,389	1,237	1,152	6,566	3,340	3,226
West Carroll	8,853	3,350	5,503	24,453	9,045	15,408
West Feliciana	13,902	929	12,973	38,832	2,508	36,324
Winn	203,239	159,107	44,132	553,159	429,589	123,570
All parishes	3,642,178	2,638,961	1,003,217	9,934,202	7,125,194	2,809,008

^a Parishes with no pulpwood production are omitted.

Table 13—Roundwood pulpwood production in Mississippi, 2002

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>standard cords</i>			<i>green tons</i>		
Adams	37,306	2,911	34,395	104,166	7,860	96,306
Alcorn	34,814	27,010	7,804	94,778	72,927	21,851
Amite	291,034	172,916	118,118	797,603	466,873	330,730
Attala	39,627	27,673	11,954	108,188	74,717	33,471
Benton	10,101	4,477	5,624	27,835	12,088	15,747
Bolivar	17,632	0	17,632	49,370	0	49,370
Calhoun	27,745	25,843	1,902	75,102	69,776	5,326
Carroll	41,286	5,177	36,109	115,083	13,978	101,105
Chickasaw	47,771	45,868	1,903	129,172	123,844	5,328
Choctaw	78,536	61,713	16,823	213,729	166,625	47,104
Claiborne	76,928	25,049	51,879	212,893	67,632	145,261
Clarke	113,843	53,823	60,020	313,378	145,322	168,056
Clay	27,768	23,716	4,052	75,379	64,033	11,346
Coahoma	6,954	0	6,954	19,471	0	19,471
Copiah	83,878	45,452	38,426	230,313	122,720	107,593
Covington	55,331	46,779	8,552	150,249	126,303	23,946
De Soto	740	504	236	2,022	1,361	661
Forrest	38,962	37,101	1,861	105,384	100,173	5,211
Franklin	36,539	13,541	22,998	100,955	36,561	64,394
George	45,213	43,735	1,478	122,223	118,085	4,138
Greene	112,517	98,022	14,495	305,245	264,659	40,586
Grenada	11,889	7,957	3,932	32,494	21,484	11,010
Hancock	33,877	33,848	29	91,471	91,390	81
Harrison	16,933	16,913	20	45,721	45,665	56
Hinds	64,216	24,616	39,600	177,343	66,463	110,880
Holmes	45,745	5,093	40,652	127,577	13,751	113,826
Humphreys	3,521	0	3,521	9,859	0	9,859
Issaquena	45,558	30	45,528	127,559	81	127,478
Itawamba	42,687	38,279	4,408	115,695	103,353	12,342
Jackson	8,381	8,254	127	22,642	22,286	356
Jasper	34,520	23,438	11,082	94,313	63,283	31,030
Jefferson	67,763	19,426	48,337	187,794	52,450	135,344
Jefferson Davis	51,609	45,321	6,288	139,973	122,367	17,606
Jones	49,531	32,646	16,885	135,422	88,144	47,278
Kemper	36,191	20,380	15,811	99,297	55,026	44,271
Lafayette	6,213	6,202	11	16,776	16,745	31
Lamar	63,814	57,263	6,551	172,953	154,610	18,343
Lauderdale	82,662	44,096	38,566	227,044	119,059	107,985
Lawrence	62,710	59,607	3,103	169,627	160,939	8,688
Leake	43,017	27,389	15,628	117,708	73,950	43,758
Lee	13,540	12,875	665	36,625	34,763	1,862
Leflore	3,743	0	3,743	10,480	0	10,480
Lincoln	41,174	19,737	21,437	113,314	53,290	60,024
Lowndes	43,575	26,680	16,895	119,342	72,036	47,306
Madison	34,387	9,247	25,140	95,359	24,967	70,392
Marion	99,427	76,116	23,311	270,784	205,513	65,271
Marshall	11,567	1,924	9,643	32,195	5,195	27,000
Monroe	53,335	42,228	11,107	145,116	114,016	31,100
Montgomery	34,963	10,234	24,729	96,873	27,632	69,241
Neshoba	62,721	27,282	35,439	172,890	73,661	99,229
Newton	40,863	18,598	22,265	112,557	50,215	62,342
Noxubee	40,859	30,410	10,449	111,364	82,107	29,257
Oktibbeha	46,246	35,515	10,731	125,938	95,891	30,047

continued

Table 13—Roundwood pulpwood production in Mississippi, 2002 (continued)

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>standard cords</i>			<i>green tons</i>		
Panola	139,268	21,652	117,616	387,785	58,460	329,325
Pearl River	109,415	80,749	28,666	298,287	218,022	80,265
Perry	109,361	68,569	40,792	299,354	185,136	114,218
Pike	36,037	28,923	7,114	98,011	78,092	19,919
Pontotoc	22,830	22,113	717	61,713	59,705	2,008
Prentiss	25,368	15,939	9,429	69,436	43,035	26,401
Quitman	65	0	65	182	0	182
Rankin	46,586	30,371	16,215	127,404	82,002	45,402
Scott	37,044	16,016	21,028	102,121	43,243	58,878
Sharkey	15,921	0	15,921	44,579	0	44,579
Simpson	51,321	43,799	7,522	139,319	118,257	21,062
Smith	22,463	20,408	2,055	60,856	55,102	5,754
Stone	29,454	27,166	2,288	79,754	73,348	6,406
Sunflower	759	0	759	2,125	0	2,125
Tallahatchie	4,043	2,520	1,523	11,068	6,804	4,264
Tate	10,349	10,289	60	27,948	27,780	168
Tippah	39,398	32,192	7,206	107,095	86,918	20,177
Tishomingo	63,125	51,329	11,796	171,617	138,588	33,029
Tunica	192	0	192	538	0	538
Union	8,632	5,829	2,803	23,586	15,738	7,848
Walthall	42,214	40,881	1,333	114,111	110,379	3,732
Warren	76,002	2,856	73,146	212,520	7,711	204,809
Washington	21,315	376	20,939	59,644	1,015	58,629
Wayne	236,935	135,993	100,942	649,819	367,181	282,638
Webster	31,046	19,298	11,748	84,999	52,105	32,894
Wilkinson	88,426	30,975	57,451	244,496	83,633	160,863
Winston	45,539	31,587	13,952	124,351	85,285	39,066
Yalobusha	5,693	4,584	1,109	15,482	12,377	3,105
Yazoo	19,171	2,882	16,289	53,390	7,781	45,609
All counties	3,859,734	2,290,210	1,569,524	10,578,233	6,183,566	4,394,667

^a Counties with no pulpwood production are omitted.

Table 14—Roundwood pulpwood production in North Carolina, 2002

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>standard cords</i>			<i>green tons</i>		
Alamance	757	0	757	2,120	0	2,120
Alexander	835	152	683	2,322	410	1,912
Alleghany	879	0	879	2,461	0	2,461
Anson	76,726	70,837	5,889	207,749	191,260	16,489
Ashe	4,656	0	4,656	13,037	0	13,037
Avery	780	0	780	2,184	0	2,184
Beaufort	131,457	77,596	53,861	360,320	209,509	150,811
Bertie	156,609	101,750	54,859	428,330	274,725	153,605
Bladen	93,464	68,967	24,497	254,803	186,211	68,592
Brunswick	136,520	124,721	11,799	369,784	336,747	33,037
Burke	4,340	1,056	3,284	12,046	2,851	9,195
Cabarrus	4,079	3,734	345	11,048	10,082	966
Caldwell	4,142	0	4,142	11,598	0	11,598
Camden	17,626	2,638	14,988	49,089	7,123	41,966
Carteret	18,001	14,491	3,510	48,954	39,126	9,828
Caswell	11,467	10	11,457	32,107	27	32,080
Catawba	3,369	1,519	1,850	9,281	4,101	5,180
Chatham	6,236	3,842	2,394	17,076	10,373	6,703
Cherokee	62,257	30,166	32,091	171,303	81,448	89,855
Chowan	27,823	21,175	6,648	75,787	57,173	18,614
Cleveland	36,179	33,436	2,743	97,957	90,277	7,680
Columbus	142,882	92,386	50,496	390,831	249,442	141,389
Craven	85,495	67,135	18,360	232,673	181,265	51,408
Cumberland	37,750	26,364	11,386	103,064	71,183	31,881
Currituck	6,271	2,799	3,472	17,279	7,557	9,722
Dare	764	407	357	2,099	1,099	1,000
Davidson	4,480	1,678	2,802	12,377	4,531	7,846
Davie	2,312	103	2,209	6,463	278	6,185
Duplin	28,173	15,284	12,889	77,356	41,267	36,089
Durham	39,700	5,730	33,970	110,587	15,471	95,116
Edgecombe	28,691	24,197	4,494	77,915	65,332	12,583
Forsyth	2,716	6	2,710	7,604	16	7,588
Franklin	20,477	8,924	11,553	56,443	24,095	32,348
Gaston	10,822	8,317	2,505	29,470	22,456	7,014
Gates	56,739	24,722	32,017	156,397	66,749	89,648
Graham	51	51	0	138	138	0
Granville	4,652	3,665	987	12,660	9,896	2,764
Greene	6,446	5,487	959	17,500	14,815	2,685
Guilford	1,455	0	1,455	4,074	0	4,074
Halifax	42,906	26,190	16,716	117,518	70,713	46,805
Harnett	14,722	10,951	3,771	40,127	29,568	10,559
Haywood	106,523	29,700	76,823	295,294	80,190	215,104
Hertford	65,983	35,998	29,985	181,153	97,195	83,958
Hoke	19,366	15,215	4,151	52,704	41,081	11,623
Hyde	24,744	17,209	7,535	67,562	46,464	21,098
Iredell	3,524	357	3,167	9,832	964	8,868
Johnston	22,261	9,061	13,200	61,425	24,465	36,960
Jones	84,153	73,666	10,487	228,262	198,898	29,364
Lee	7,267	5,499	1,768	19,797	14,847	4,950
Lenoir	31,287	27,217	4,070	84,882	73,486	11,396
Lincoln	11,571	7,237	4,334	31,675	19,540	12,135
Madison	9	0	9	25	0	25
Martin	44,866	31,140	13,726	122,511	84,078	38,433
McDowell	2,803	2,803	0	7,568	7,568	0
Mecklenburg	6,195	3,560	2,635	16,990	9,612	7,378
Montgomery	67,105	21,198	45,907	185,775	57,235	128,540
Moore	51,754	38,967	12,787	141,015	105,211	35,804

continued

Table 14—Roundwood pulpwood production in North Carolina, 2002 (continued)

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>standard cords</i>			<i>green tons</i>		
Nash	20,492	13,404	7,088	56,037	36,191	19,846
New Hanover	7,302	7,166	136	19,729	19,348	381
Northampton	58,836	31,758	27,078	161,565	85,747	75,818
Onslow	61,851	56,361	5,490	167,547	152,175	15,372
Orange	1,805	0	1,805	5,054	0	5,054
Pamlico	63,365	44,369	18,996	172,985	119,796	53,189
Pasquotank	12,252	3,943	8,309	33,911	10,646	23,265
Pender	95,689	73,559	22,130	260,573	198,609	61,964
Perquimans	13,693	7,892	5,801	37,551	21,308	16,243
Person	3,068	138	2,930	8,577	373	8,204
Pitt	49,754	38,677	11,077	135,444	104,428	31,016
Polk	9,711	9,711	0	26,220	26,220	0
Randolph	4,998	2,038	2,960	13,791	5,503	8,288
Richmond	32,337	30,905	1,432	87,454	83,444	4,010
Robeson	57,014	28,911	28,103	156,748	78,060	78,688
Rockingham	28,929	6,935	21,994	80,308	18,725	61,583
Rowan	15,807	1,970	13,837	44,063	5,319	38,744
Rutherford	140,553	41,767	98,786	389,372	112,771	276,601
Sampson	26,427	15,866	10,561	72,409	42,838	29,571
Scotland	29,198	17,323	11,875	80,022	46,772	33,250
Stanly	16,456	13,387	3,069	44,738	36,145	8,593
Stokes	3,385	0	3,385	9,478	0	9,478
Surry	5,448	0	5,448	15,254	0	15,254
Tyrrell	36,825	10,951	25,874	102,015	29,568	72,447
Union	43,992	8,937	35,055	122,284	24,130	98,154
Vance	8,185	5,715	2,470	22,347	15,431	6,916
Wake	59,859	12,518	47,341	166,354	33,799	132,555
Warren	106,015	69,386	36,629	289,903	187,342	102,561
Washington	110,361	100,360	10,001	298,975	270,972	28,003
Watauga	4,052	0	4,052	11,346	0	11,346
Wayne	6,681	4,255	2,426	18,282	11,489	6,793
Wilkes	57,647	30	57,617	161,409	81	161,328
Wilson	17,834	15,722	2,112	48,363	42,449	5,914
Yadkin	2,764	0	2,764	7,739	0	7,739
All counties	3,097,702	1,873,267	1,224,435	8,486,248	5,057,827	3,428,421

^a Counties with no pulpwood production are omitted.**Table 15—Roundwood pulpwood production in Oklahoma, 2002**

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>standard cords</i>			<i>green tons</i>		
Adair	19	0	19	53	0	53
Atoka	2,075	32	2,043	5,806	86	5,720
Bryan	7,750	4	7,746	21,700	11	21,689
Choctaw	16,913	5,150	11,763	46,841	13,905	32,936
Coal	9	0	9	25	0	25
Haskell	2,864	2,864	0	7,733	7,733	0
Latimer	13,951	3,620	10,331	38,701	9,774	28,927
Le Flore	108,733	38,634	70,099	300,589	104,312	196,277
McCurtain	265,466	206,891	58,575	722,616	558,606	164,010
Pittsburg	2,052	0	2,052	5,746	0	5,746
Pushmataha	188,343	85,878	102,465	518,773	231,871	286,902
All counties	608,175	343,073	265,102	1,668,583	926,298	742,285

^a Counties with no pulpwood production are omitted.

Table 16—Roundwood pulpwood production in South Carolina, 2002

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>standard cords</i>			<i>green tons</i>		
Abbeville	12,003	6,712	5,291	32,937	18,122	14,815
Aiken	106,535	55,938	50,597	292,705	151,033	141,672
Allendale	45,151	28,156	16,995	123,607	76,021	47,586
Anderson	847	583	264	2,313	1,574	739
Bamberg	42,028	28,872	13,156	114,791	77,954	36,837
Barnwell	48,503	25,048	23,455	133,304	67,630	65,674
Beaufort	19,001	15,596	3,405	51,643	42,109	9,534
Berkeley	113,834	95,855	17,979	309,150	258,809	50,341
Calhoun	33,798	28,143	5,655	91,820	75,986	15,834
Charleston	69,666	61,037	8,629	188,961	164,800	24,161
Cherokee	40,317	33,067	7,250	109,581	89,281	20,300
Chester	120,883	105,965	14,918	327,876	286,106	41,770
Chesterfield	117,886	94,183	23,703	320,662	254,294	66,368
Clarendon	34,885	23,461	11,424	95,332	63,345	31,987
Colleton	138,584	107,883	30,701	377,247	291,284	85,963
Darlington	74,912	40,618	34,294	205,692	109,669	96,023
Dillon	57,353	24,706	32,647	158,118	66,706	91,412
Dorchester	95,119	69,530	25,589	259,380	187,731	71,649
Edgefield	15,723	6,984	8,739	43,326	18,857	24,469
Fairfield	137,393	119,594	17,799	372,741	322,904	49,837
Florence	69,970	37,508	32,462	192,166	101,272	90,894
Georgetown	222,013	198,362	23,651	601,800	535,577	66,223
Greenville	6,095	4,958	1,137	16,571	13,387	3,184
Greenwood	78,760	36,354	42,406	216,893	98,156	118,737
Hampton	199,347	122,590	76,757	545,913	330,993	214,920
Horry	145,826	82,317	63,509	400,081	222,256	177,825
Jasper	121,872	87,926	33,946	332,449	237,400	95,049
Kershaw	153,514	122,286	31,228	417,610	330,172	87,438
Lancaster	64,815	59,664	5,151	175,516	161,093	14,423
Laurens	72,106	61,815	10,291	195,716	166,901	28,815
Lee	54,451	41,013	13,438	148,361	110,735	37,626
Lexington	50,149	42,822	7,327	136,135	115,619	20,516
Marion	71,154	34,870	36,284	195,744	94,149	101,595
Marlboro	75,846	45,006	30,840	207,868	121,516	86,352
McCormick	6,273	3,046	3,227	17,260	8,224	9,036
Newberry	274,499	258,943	15,556	742,703	699,146	43,557
Oconee	4,252	4,191	61	11,487	11,316	171
Orangeburg	155,195	89,196	65,999	425,626	240,829	184,797
Pickens	8,164	4,525	3,639	22,407	12,218	10,189
Richland	86,364	57,751	28,613	236,044	155,928	80,116
Saluda	27,347	15,189	12,158	75,052	41,010	34,042
Spartanburg	160,344	106,580	53,764	438,305	287,766	150,539
Sumter	65,353	38,699	26,654	179,118	104,487	74,631
Union	146,718	111,499	35,219	399,660	301,047	98,613
Williamsburg	123,448	98,667	24,781	335,788	266,401	69,387
York	51,094	48,848	2,246	138,179	131,890	6,289
All counties	3,819,390	2,786,556	1,032,834	10,415,638	7,523,703	2,891,935

^a Counties with no pulpwood production are omitted.

Table 17—Roundwood pulpwood production in Tennessee, 2002

County ^a	All species	Softwood	Hardwood	All species	Softwood	Hardwood
	<i>standard cords</i>			<i>green tons</i>		
Anderson	686	0	686	1,921	0	1,921
Benton	29,065	2,560	26,505	81,126	6,912	74,214
Bledsoe	20,184	15,663	4,521	54,949	42,290	12,659
Blount	10,867	4,333	6,534	29,994	11,699	18,295
Bradley	10,741	6,085	4,656	29,467	16,430	13,037
Campbell	71,927	11	71,916	201,395	30	201,365
Carroll	12,062	1,006	11,056	33,673	2,716	30,957
Carter	45	0	45	126	0	126
Chester	8,555	5,044	3,511	23,450	13,619	9,831
Claiborne	1,489	10	1,479	4,168	27	4,141
Cocke	614	18	596	1,718	49	1,669
Coffee	4,580	3,085	1,495	12,516	8,330	4,186
Crockett	16	0	16	45	0	45
Cumberland	50,935	36,605	14,330	138,958	98,834	40,124
Decatur	10,936	2,062	8,874	30,414	5,567	24,847
Fayette	4,163	3,555	608	11,301	9,599	1,702
Fentress	19,749	680	19,069	55,229	1,836	53,393
Franklin	36,503	2,445	34,058	101,964	6,602	95,362
Giles	8,863	522	8,341	24,764	1,409	23,355
Grainger	492	0	492	1,378	0	1,378
Grundy	86,511	21,022	65,489	240,128	56,759	183,369
Hamilton	24,254	18,764	5,490	66,035	50,663	15,372
Hardeman	6,677	4,097	2,580	18,286	11,062	7,224
Hardin	125,182	65,811	59,371	343,929	177,690	166,239
Hawkins	318	0	318	890	0	890
Haywood	54	0	54	151	0	151
Henderson	8,654	1,177	7,477	24,114	3,178	20,936
Henry	41,805	10,799	31,006	115,974	29,157	86,817
Hickman	78,844	7,089	71,755	220,054	19,140	200,914
Houston	44	0	44	123	0	123
Humphreys	7,045	0	7,045	19,726	0	19,726
Jefferson	495	0	495	1,386	0	1,386
Johnson	364	0	364	1,019	0	1,019
Knox	7,367	7,330	37	19,895	19,791	104
Lauderdale	2,441	0	2,441	6,835	0	6,835
Lawrence	36,562	5,558	31,004	101,818	15,007	86,811
Lewis	58,580	4,777	53,803	163,546	12,898	150,648
Lincoln	1,801	34	1,767	5,040	92	4,948
Loudon	4,267	3,047	1,220	11,643	8,227	3,416
Madison	1,708	726	982	4,710	1,960	2,750
Marion	40,405	8,472	31,933	112,286	22,874	89,412
Marshall	721	0	721	2,019	0	2,019
Maury	1,844	1,768	76	4,987	4,774	213
McMinn	24,982	16,218	8,764	68,328	43,789	24,539
McNairy	56,127	20,866	35,261	155,069	56,338	98,731
Meigs	11,882	2,732	9,150	32,996	7,376	25,620
Monroe	29,728	16,135	13,593	81,625	43,565	38,060
Montgomery	23	0	23	64	0	64
Moore	268	9	259	749	24	725
Morgan	8,465	154	8,311	23,687	416	23,271
Overton	26,514	4,876	21,638	73,751	13,165	60,586
Perry	23,552	10,058	13,494	64,940	27,157	37,783
Pickett	1,755	0	1,755	4,914	0	4,914
Polk	13,273	10,365	2,908	36,128	27,986	8,142
Putnam	426	199	227	1,173	537	636

continued

Table 17—Roundwood pulpwood production in Tennessee, 2002 (continued)

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>standard cords</i>			<i>green tons</i>		
Rhea	28,141	9,615	18,526	77,834	25,961	51,873
Roane	7,805	1,573	6,232	21,697	4,247	17,450
Scott	7,361	384	6,977	20,573	1,037	19,536
Sequatchie	42,834	32,055	10,779	116,730	86,549	30,181
Shelby	2,110	1,413	697	5,767	3,815	1,952
Stewart	40,318	3,424	36,894	112,548	9,245	103,303
Union	3,684	1,562	2,122	10,159	4,217	5,942
Van Buren	128,567	88,116	40,451	351,176	237,913	113,263
Warren	4,260	276	3,984	11,900	745	11,155
Wayne	162,760	74,092	88,668	448,318	200,048	248,270
Weakley	53,403	3,022	50,381	149,226	8,159	141,067
White	33,338	23,068	10,270	91,040	62,284	28,756
Williamson	41	41	0	111	111	0
All counties	1,550,032	564,408	985,624	4,283,653	1,523,905	2,759,748

^a Counties with no pulpwood production are omitted.

Table 18—Roundwood pulpwood production in Texas, 2002

County ^a	All species	Softwood	Hardwood	All species	Softwood	Hardwood
	<i>standard cords</i>			<i>green tons</i>		
Anderson	10,230	5,354	4,876	28,109	14,456	13,653
Angelina	103,041	59,655	43,386	282,550	161,069	121,481
Bowie	45,826	18,221	27,605	126,491	49,197	77,294
Camp	3,948	434	3,514	11,011	1,172	9,839
Cass	191,372	23,727	167,645	533,469	64,063	469,406
Chambers	4,462	4,462	0	12,047	12,047	0
Cherokee	50,909	21,265	29,644	140,419	57,416	83,003
Colorado	23	0	23	64	0	64
Franklin	1,347	9	1,338	3,770	24	3,746
Gregg	2,989	239	2,750	8,345	645	7,700
Hardin	94,881	59,171	35,710	259,750	159,762	99,988
Harris	275	196	79	750	529	221
Harrison	42,775	8,723	34,052	118,898	23,552	95,346
Henderson	241	0	241	675	0	675
Hopkins	2,333	0	2,333	6,532	0	6,532
Houston	33,745	11,314	22,431	93,355	30,548	62,807
Jasper	187,539	154,189	33,350	509,690	416,310	93,380
Jefferson	424	424	0	1,145	1,145	0
Lamar	2,895	32	2,863	8,102	86	8,016
Leon	189	189	0	510	510	0
Liberty	96,488	57,207	39,281	264,446	154,459	109,987
Marion	29,835	9,959	19,876	82,542	26,889	55,653
Montgomery	31,379	13,881	17,498	86,473	37,479	48,994
Morris	6,922	303	6,619	19,351	818	18,533
Nacogdoches	56,789	31,524	25,265	155,857	85,115	70,742
Newton	171,227	113,838	57,389	468,052	307,363	160,689
Orange	9,642	714	8,928	26,926	1,928	24,998
Panola	67,199	41,615	25,584	183,996	112,361	71,635
Polk	49,010	36,806	12,204	133,547	99,376	34,171
Rains	289	0	289	809	0	809
Red River	101,090	40,444	60,646	279,008	109,199	169,809
Rusk	31,066	17,339	13,727	85,251	46,815	38,436
Sabine	101,951	86,549	15,402	276,808	233,682	43,126
San Augustine	101,366	76,193	25,173	276,205	205,721	70,484
San Jacinto	25,428	1,145	24,283	71,084	3,092	67,992
Shelby	84,622	59,059	25,563	231,035	159,459	71,576
Smith	51,946	7,916	44,030	144,657	21,373	123,284
Titus	15,268	150	15,118	42,735	405	42,330
Trinity	6,817	6,779	38	18,409	18,303	106
Tyler	194,092	133,729	60,363	530,084	361,068	169,016
Upshur	23,701	2,121	21,580	66,151	5,727	60,424
Van Zandt	1,537	579	958	4,245	1,563	2,682
Walker	31,201	17,631	13,570	85,600	47,604	37,996
Wood	14,862	533	14,329	41,560	1,439	40,121
All counties	2,083,171	1,123,618	959,553	5,720,513	3,033,769	2,686,744

^a Counties with no pulpwood production are omitted.

Table 19—Roundwood pulpwood production in Virginia, 2002

County ^a	All species	Softwood	Hardwood	All species	Softwood	Hardwood
	<i>standard cords</i>			<i>green tons</i>		
Accomack	11,532	6,263	5,269	31,663	16,910	14,753
Albemarle	13,090	5,326	7,764	36,119	14,380	21,739
Alleghany	20,645	2,963	17,682	57,510	8,000	49,510
Amelia	44,853	29,047	15,806	122,684	78,427	44,257
Amherst	25,564	6,276	19,288	70,951	16,945	54,006
Appomattox	41,187	21,639	19,548	113,159	58,425	54,734
Augusta	15,838	3,331	12,507	44,014	8,994	35,020
Bath	15,071	2,608	12,463	41,938	7,042	34,896
Bedford	34,428	9,596	24,832	95,439	25,909	69,530
Bland	1,427	137	1,290	3,982	370	3,612
Botetourt	22,798	5,669	17,129	63,267	15,306	47,961
Brunswick	106,645	74,924	31,721	291,114	202,295	88,819
Buchanan	129	88	41	353	238	115
Buckingham	87,802	38,981	48,821	241,948	105,249	136,699
Campbell	39,354	15,428	23,926	108,649	41,656	66,993
Caroline	42,695	28,646	14,049	116,681	77,344	39,337
Carroll	4,765	17	4,748	13,340	46	13,294
Charles City	23,884	13,623	10,261	65,513	36,782	28,731
Charlotte	72,624	40,860	31,764	199,261	110,322	88,939
Chesapeake	12,256	2,432	9,824	34,073	6,566	27,507
Chesterfield	40,099	32,856	7,243	108,991	88,711	20,280
Clarke	38	23	15	104	62	42
Craig	9,400	3,195	6,205	26,001	8,627	17,374
Culpeper	12,906	6,802	6,104	35,456	18,365	17,091
Cumberland	23,312	9,513	13,799	64,322	25,685	38,637
Dickenson	88,283	0	88,283	247,192	0	247,192
Dinwiddie	52,072	42,247	9,825	141,577	114,067	27,510
Essex	33,787	22,076	11,711	92,396	59,605	32,791
Fairfax	4,702	3,715	987	12,795	10,031	2,764
Fauquier	11,115	6,369	4,746	30,485	17,196	13,289
Floyd	1,010	34	976	2,825	92	2,733
Fluvanna	14,732	9,066	5,666	40,343	24,478	15,865
Franklin	27,823	10,026	17,797	76,902	27,070	49,832
Frederick	6,807	3,144	3,663	18,745	8,489	10,256
Giles	5,666	0	5,666	15,865	0	15,865
Gloucester	14,159	6,556	7,603	38,989	17,701	21,288
Goochland	21,859	10,413	11,446	60,164	28,115	32,049
Grayson	4,677	0	4,677	13,096	0	13,096
Greene	2,179	494	1,685	6,052	1,334	4,718
Greensville	35,279	29,531	5,748	95,828	79,734	16,094
Halifax	50,249	14,284	35,965	139,269	38,567	100,702
Hampton	339	32	307	946	86	860
Hanover	16,017	11,155	4,862	43,733	30,119	13,614
Henrico	10,086	3,913	6,173	27,849	10,565	17,284
Henry	45,710	18,701	27,009	126,118	50,493	75,625
Highland	10,478	1,346	9,132	29,204	3,634	25,570
Isle of Wight	54,193	21,272	32,921	149,613	57,434	92,179
James City	7,560	2,635	4,925	20,905	7,115	13,790
King and Queen	53,753	35,568	18,185	146,952	96,034	50,918
King George	2,010	1,063	947	5,522	2,870	2,652
King William	25,948	9,217	16,731	71,733	24,886	46,847
Lancaster	6,623	2,069	4,554	18,337	5,586	12,751
Lee	29	0	29	81	0	81
Loudoun	11,551	1,002	10,549	32,242	2,705	29,537
Louisa	48,428	20,861	27,567	133,513	56,325	77,188

continued

Table 19—Roundwood pulpwood production in Virginia, 2002 (continued)

County ^a	All species	Softwood	Hardwood	All species	Softwood	Hardwood
	<i>standard cords</i>			<i>green tons</i>		
Lunenburg	38,544	18,151	20,393	106,108	49,008	57,100
Madison	2,764	782	1,982	7,661	2,111	5,550
Mathews	2,665	737	1,928	7,388	1,990	5,398
Mecklenburg	21,990	11,203	10,787	60,452	30,248	30,204
Middlesex	5,106	1,838	3,268	14,113	4,963	9,150
Montgomery	3,594	263	3,331	10,037	710	9,327
Nelson	34,734	22,353	12,381	95,020	60,353	34,667
New Kent	15,186	10,543	4,643	41,466	28,466	13,000
Newport News	726	379	347	1,995	1,023	972
Northampton	2,228	1,206	1,022	6,118	3,256	2,862
Northumberland	6,059	2,698	3,361	16,696	7,285	9,411
Nottoway	17,177	13,014	4,163	46,794	35,138	11,656
Orange	10,564	5,810	4,754	28,998	15,687	13,311
Page	320	137	183	882	370	512
Patrick	9,158	3,073	6,085	25,335	8,297	17,038
Pittsylvania	76,398	28,609	47,789	211,053	77,244	133,809
Powhatan	14,467	10,421	4,046	39,466	28,137	11,329
Prince Edward	35,322	17,008	18,314	97,201	45,922	51,279
Prince George	42,647	31,338	11,309	116,278	84,613	31,665
Prince William	12,772	3,496	9,276	35,412	9,439	25,973
Pulaski	1,917	332	1,585	5,334	896	4,438
Rappahannock	783	699	84	2,122	1,887	235
Richmond	16,454	9,092	7,362	45,162	24,548	20,614
Roanoke	2,589	556	2,033	7,193	1,501	5,692
Rockbridge	17,569	1,879	15,690	49,005	5,073	43,932
Rockingham	5,296	560	4,736	14,773	1,512	13,261
Russell	15	0	15	42	0	42
Scott	706	0	706	1,977	0	1,977
Shenandoah	2,894	716	2,178	8,031	1,933	6,098
Smyth	2,200	0	2,200	6,160	0	6,160
Southampton	83,903	45,328	38,575	230,396	122,386	108,010
Spotsylvania	31,532	18,898	12,634	86,400	51,025	35,375
Stafford	9,334	4,143	5,191	25,721	11,186	14,535
Suffolk	40,265	23,474	16,791	110,395	63,380	47,015
Surry	46,721	26,351	20,370	128,184	71,148	57,036
Sussex	71,671	56,520	15,151	195,027	152,604	42,423
Tazewell	2,192	0	2,192	6,138	0	6,138
Virginia Beach	4,967	1,726	3,241	13,735	4,660	9,075
Warren	212	57	155	588	154	434
Washington	1,951	0	1,951	5,463	0	5,463
Westmoreland	6,143	2,043	4,100	16,996	5,516	11,480
Wythe	116	0	116	325	0	325
York	1,062	461	601	2,928	1,245	1,683
All counties	2,092,379	1,022,926	1,069,453	5,756,371	2,761,901	2,994,470

^a Counties with no pulpwood production are omitted.

Table 20—Softwood roundwood pulpwood movement between States, 2002

Imported from:	Southeast										Roundwood production
	Exported to:										
	Florida	Georgia	North Carolina	South Carolina	Virginia	Alabama	Maryland	Mississippi	Pennsylvania	Tennessee	
	standard cords										
Florida	2,290,598	639,806	0	0	0	101,602	0	0	0	0	0
Georgia	385,098	4,399,563	0	29	0	452,407	0	1,345	0	146,619	1,852
North Carolina	0	71	1,218,642	563,082	71,100	0	0	0	0	20,372	0
South Carolina	0	292,168	256,714	2,235,902	0	0	0	0	0	290	1,482
Virginia	0	0	116,711	1,990	809,374	0	59,499	0	35,352	0	0
Alabama	163,369	418,200	0	0	0	0	0	0	0	0	0
Delaware	0	0	0	0	366	0	0	0	0	0	0
Louisiana	0	0	0	109	0	0	0	0	0	0	0
Maryland	0	0	0	0	14,508	0	0	0	0	0	0
Mississippi	93	0	0	0	0	0	0	0	0	0	0
Tennessee	0	123	0	0	0	0	0	0	0	0	0
West Virginia	0	0	0	0	3,563	0	0	0	0	0	0
Other ^b	0	288	0	64	21	0	0	0	0	0	0
Roundwood receipts	2,839,158	5,750,219	1,592,067	2,801,176	898,932						
											14,101,668

Total Southeast receipts = 13,881,552

Imported from:	South Central											Roundwood production	
	Exported to:												
	Alabama	Arkansas	Kentucky	Louisiana	Mississippi	Oklahoma	Tennessee	Texas	Florida	Georgia	South Carolina		Other ^c
												</	

NA = not applicable.

^a Other destinations include Ohio.

^b Other sources include Arkansas, Illinois, and Texas.

^c Other destinations include Ohio and Virginia.

Table 21—Hardwood roundwood pulpwood movement between States, 2002

Southeast														
Imported from:	Exported to:													
	standard cords													
	Florida	Georgia	North Carolina	South Carolina	Alabama	Louisiana	Maryland	Mississippi	Pennsylvania	Tennessee	Other ^a	Roundwood production		
Florida	305,967	107,138	0	0	0	0	0	83	0	0	0	432,344		
Georgia	1,294	1,299,201	14,791	0	18,694	462	0	40	0	49,593	40,530	1,546,615		
North Carolina	0	0	632,918	246,727	0	2,543	0	7,735	0	14,124	91,124	1,224,435		
South Carolina	0	243,990	61,338	727,491	0	0	0	0	0	0	0	1,032,834		
Virginia	0	0	27,311	139	915,221	0	0	32,896	0	21,149	67,117	1,069,453		
Alabama	67,843	20,178	4,322	0	0	0	0	0	5,620	0	0	NA		
Delaware	0	0	0	0	0	0	0	0	0	0	0	NA		
Louisiana	0	0	0	85	0	0	0	0	0	0	0	NA		
Maryland	0	0	0	0	0	0	0	0	0	0	0	NA		
Mississippi	6,117	0	0	0	0	0	0	0	0	0	0	NA		
Tennessee	0	0	71,378	0	0	0	0	0	0	0	0	NA		
West Virginia	0	0	141	0	0	0	0	0	0	0	0	NA		
Other ^b	0	42	0	2,256	0	0	0	0	0	0	0	NA		
Roundwood receipts	381,221	1,670,549	812,199	976,698	1,312,912							5,305,681		
Total Southeast receipts = 5,153,579														
South Central														
Imported from:	Exported to:													
	standard cords													
	Alabama	Arkansas	Kentucky	Louisiana	Mississippi	Oklahoma	Tennessee	Texas	Florida	Georgia	North Carolina	South Carolina	Other ^c	Roundwood production
Alabama	2,115,695	56	0	109,367	17,924	0	22,619	0	67,843	20,178	4,322	0	0	2,358,004
Arkansas	0	762,115	0	73,631	18,555	0	0	159,778	0	10	0	0	0	1,014,089
Kentucky	555	0	155,600	4,020	3,933	0	9,837	0	0	0	0	2,226	16,451	192,622
Louisiana	37	106,191	0	680,300	72,402	0	0	144,202	0	0	0	85	0	1,003,217
Mississippi	377,408	151,071	0	415,448	577,126	0	42,354	0	6,117	0	0	0	0	1,569,524
Oklahoma	0	171,333	0	234	0	90,030	0	3,505	0	0	0	0	0	265,102
Tennessee	362,388	0	221,955	0	2,846	0	327,057	0	0	0	71,378	0	0	985,624
Texas	77	186,885	0	69,208	0	21,233	0	681,144	0	23	0	0	983	959,553
Florida	18,694	0	0	462	83	0	0	0	0	0	0	0	0	NA
Georgia	141,155	0	40,530	11	40	0	49,593	0	0	0	0	0	0	NA
North Carolina	0	0	90,644	2,543	7,735	0	14,124	480	0	0	0	0	0	NA
South Carolina	0	0	0	0	0	0	0	0	0	0	0	0	0	NA
Other ^d	0	0	67,117	0	0	0	21,149	0	0	0	0	0	0	NA
Roundwood receipts	3,016,009	1,377,651	575,846	1,355,224	700,644	111,263	486,733	989,109						8,347,735
Total South Central receipts = 8,612,479														

NA = not applicable.

^a Other destinations include Kentucky and Texas.

^b Other sources include Arkansas, Illinois, Kentucky, New Hampshire, Ohio, and Texas.

^c Other destinations include Ohio and Virginia.

^d Other sources include Virginia.

Table 22—Southern pulpmills, by process and capacity, 2002

			Pulping capacity, 24 hours ^b				
Location	Map code ^a	Company	All processes	Sulfate	Groundwood and other mechanical	Semi- chemical	Soda and sulfite
tons							
Alabama							
Clairborne ^c	[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	2,430	2,430	0	0	0
Demopolis	[6]	Gulf States Paper Corporation	975	975	0	0	0
Selma	[7]	International Paper Company	1,375	1,375	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	2,525	2,525	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	1,340	1,200	140	0	0
McGehee	[20]	Potlatch Corporation	550	550	0	0	0
Total			7,240	7,100	140	0	0
Florida							
Perry	[21]	Buckeye Florida, LP	1,200	1,200	0	0	0
Cantonment	[22]	International Paper Company	1,500	1,500	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			8,520	8,045	0	0	475
Georgia							
Augusta	[27]	Augusta Newsprint Company	1,100	0	1,100	0	0
Augusta	[28]	International Paper Company	1,700	1,700	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
St. Marys	[31]	Durango-Georgia Paper Company	1,125	1,125	0	0	0
Rome	[32]	Inland Paperboard and Packaging, Inc.	2,250	2,250	0	0	0
Riceboro	[33]	Interstate Paper LLC	700	700	0	0	0
Jesup	[34]	Rayonier, Incorporated	1,750	1,750	0	0	0
Valdosta	[35]	Packaging Corporation of America	1,130	1,130	0	0	0
Macon	[36]	Riverwood International Corporation	1,450	1,450	0	0	0
Savannah	[37]	International Paper Company	3,000	3,000	0	0	0
Oglethorpe	[38]	Weyerhaeuser Company	1,155	1,155	0	0	0
Port Wentworth	[39]	Weyerhaeuser Company	1,590	1,590	0	0	0
Total			22,055	20,430	1,100	525	0

continued

Table 22—Southern pulpmills, by process and capacity, 2002 (continued)

Location	Map code ^a	Company	Pulping capacity, 24 hours ^b				
			All processes	Sulfate	Groundwood and other mechanical	Semi- chemical	Soda and sulfite
tons							
Kentucky							
Wickliffe	[40]	MeadWestvaco Corporation	850	850	0	0	0
Hawesville	[41]	Weyerhaeuser Company	1,550	1,400	0	150	0
Total			2,400	2,250	0	150	0
Louisiana							
DeRidder	[42]	Boise Cascade Corporation	1,975	1,300	675	0	0
Bogalusa	[43]	Inland Paperboard and Packaging, Inc.	2,150	2,150	0	0	0
Port Hudson	[44]	Georgia-Pacific Corporation	1,920	1,920	0	0	0
Bastrop	[45]	International Paper Company	1,200	1,200	0	0	0
Pineville	[46]	International Paper Company	1,100	1,100	0	0	0
Mansfield	[47]	International Paper Company	2,240	1,700	0	540	0
St. Francisville	[48]	Tembec, USA LLC	575	575	0	0	0
St. Francisville	[49]	Tembec, USA LLC	225	0	225	0	0
West Monroe	[50]	Riverwood International Corporation	1,980	1,730	0	250	0
Hodge	[51]	Smurfit-Stone Container Corporation	1,500	1,500	0	0	0
Campti	[52]	Weyerhaeuser Company	1,050	1,050	0	0	0
Total			15,915	14,225	900	790	0
Mississippi							
Monticello	[53]	Georgia-Pacific Corporation	2,500	2,500	0	0	0
New Augusta	[54]	Georgia-Pacific Corporation	1,550	1,550	0	0	0
Natchez	[55]	International Paper Company	1,225	1,225	0	0	0
Vicksburg	[56]	International Paper Company	1,300	1,300	0	0	0
Grenada	[57]	Bowater, Incorporated	675	0	675	0	0
Columbus	[58]	Weyerhaeuser Company	1,670	1,450	220	0	0
Total			8,920	8,025	895	0	0
North Carolina							
Roaring River	[59]	Louisiana-Pacific Corporation	475	0	475	0	0
Canton	[60]	Blue Ridge Paper Products, Inc.	1,400	1,400	0	0	0
Roanoke Rapids	[61]	International Paper Company	1,430	1,430	0	0	0
Riegelwood	[62]	International Paper Company	2,260	2,260	0	0	0
New Bern	[63]	Weyerhaeuser Company	950	950	0	0	0
Plymouth	[64]	Weyerhaeuser Company	1,450	1,200	0	250	0
Total			7,965	7,240	475	250	0
Oklahoma							
Pryor	[65]	Georgia-Pacific Corporation	50	0	50	0	0
Valliant	[66]	Weyerhaeuser Company	2,500	2,000	0	500	0
Total			2,550	2,000	50	500	0
South Carolina							
Catawba	[67]	Bowater, Incorporated	2,350	1,350	1,000	0	0
Georgetown	[68]	International Paper Company	1,565	1,565	0	0	0
Hartsville	[69]	Sonoco Products Company	300	0	0	300	0
Florence	[70]	Smurfit-Stone Container Corporation	1,530	1,530	0	0	0
Eastover	[71]	International Paper Company	1,775	1,775	0	0	0
Charleston	[72]	MeadWestvaco Corporation	2,080	2,080	0	0	0
Bennettsville	[73]	Weyerhaeuser Company	1,000	1,000	0	0	0
Total			10,600	9,300	1,000	300	0

continued

Table 22—Southern pulpmills, by process and capacity, 2002 (continued)

Location	Map code ^a	Company	Pulping capacity, 24 hours ^b				
			All processes	Sulfate	Groundwood and other mechanical	Semi- chemical	Soda and sulfite
			tons				
Tennessee							
Calhoun	[74]	Bowater, Incorporated	1,450	1,000	450	0	0
New Johnsonville	[75]	Inland Paperboard and Packaging, Inc.	400	0	0	400	0
Kingsport	[76]	Weyerhaeuser Company	340	0	0	0	340
Counce	[77]	Packaging Corporation of America	1,950	1,950	0	0	0
Knoxville	[78]	Tamko Roofing Products, Incorporated	125	0	125	0	0
		Total	4,265	2,950	575	400	340
Texas							
Lufkin	[79]	Abitibi-Consolidated	1,345	545	800	0	0
Texarkana	[80]	International Paper Company	1,550	1,550	0	0	0
Orange	[81]	Inland Paperboard and Packaging, Inc.	1,450	1,450	0	0	0
Diboll	[82]	Temple-Inland Forest Products Corporation	500	0	500	0	0
Silsbee	[83]	MeadWestvaco Corporation	1,850	1,850	0	0	0
		Total	6,695	5,395	1,300	0	0
Virginia							
Ashland	[84]	Bear Island Paper Company, LLC	880	0	880	0	0
West Point	[85]	Smurfit-Stone Container Corporation	1,700	1,700	0	0	0
Jarratt	[86]	Georgia-Pacific Corporation	400	0	400	0	0
Big Island	[87]	Georgia-Pacific Corporation	750	0	0	750	0
Hopewell	[88]	Smurfit-Stone Container Corporation	1,030	1,030	0	0	0
Franklin	[89]	International Paper Company	2,180	2,180	0	0	0
Riverville	[90]	Greif Corporation	550	0	0	550	0
Covington	[91]	MeadWestvaco Corporation	1,700	1,700	0	0	0
Danville	[92]	Masonite Corporation	790	0	790	0	0
		Total	9,980	6,610	2,070	1,300	0
		Total South	127,110	111,625	9,105	5,565	815

^a Corresponds to numbers at locations on the mill capacity map (fig. 7).

^b Lockwood-Post's Directory (2003) and other sources.

^c This is pulping capacity for three mills at this site.

Table 23—Other mills using southern pulpwood in 2002, by process and capacity

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

^a Lockwood-Post's Directory (2003) and other sources.



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In 2002, the South's production of pulpwood showed a slight increase: from 63.5 million cords in 2001 to 63.8 million cords. Roundwood production dropped to 42.1 million cords and accounted for 66 percent of the total pulpwood production. The use of wood residue increased 2 percent to 21.7 million cords. Alabama continued to lead the South in total production and number of mills. In 2002, 92 mills were operating and drawing wood from the 13 Southern States. Southern mills' pulping capacity increased from 123,105 tons per day in 2001 to 127,110 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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