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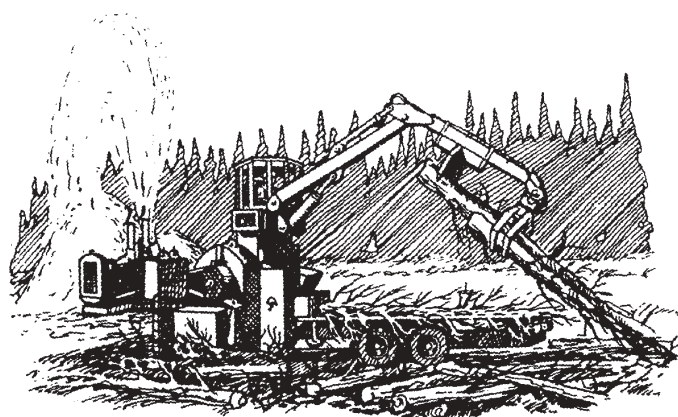
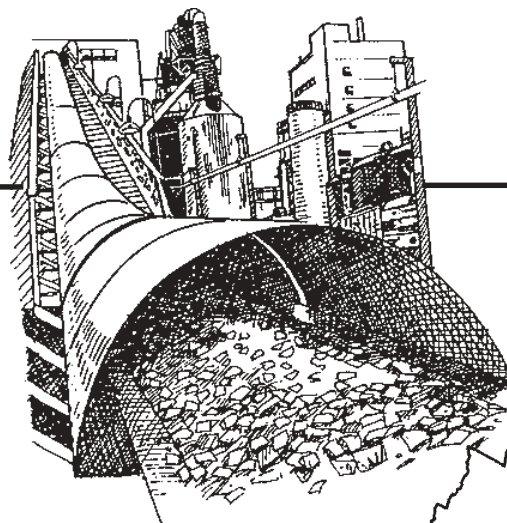


**Southern
Research Station**

Resource Bulletin
SRS-69

Southern Pulpwood Production, 2000

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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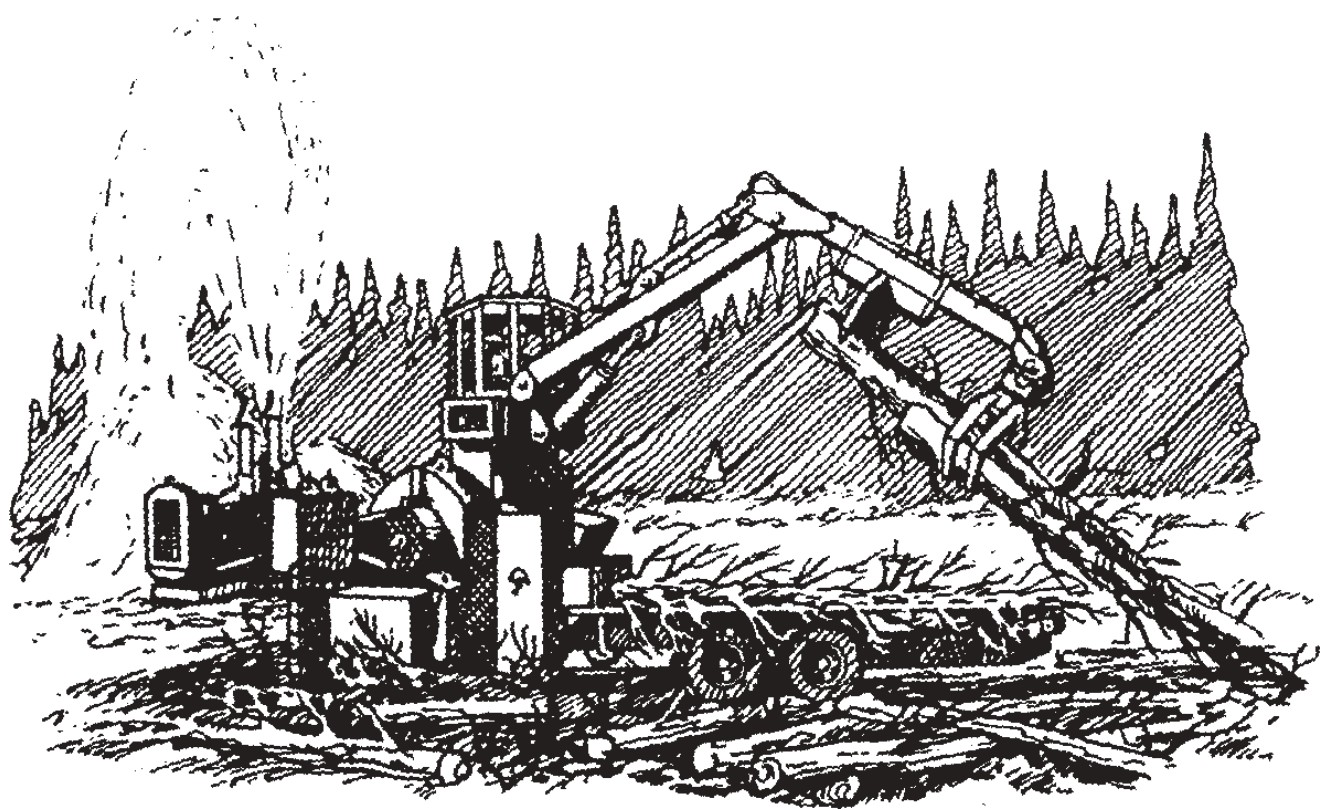
May 2002

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Southern Pulpwood Production, 2000

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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 2000, 96 of the 98 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. Production expressed in equivalent green tons is reported in tables 1, 2, and 7 through 19.

Pulpwood

According to the June 2001 issue of *North American Papermaker* the strong dollar and the anemic U.S. economy continued to make things very tough for the North American paper industry (Paper Industry Management Association 2001). Pulp and paper producers faced a downward pressure on pulp prices, sharp discounting on coated papers, and substantial downtime. This publication reflects the negative situation by showing a decline in

southern pulpwood production for the third year in a row. After a 2-percent decline in 1998 to 74.7 million cords, a 5-percent decline in 1999 to 71.1 million cords, southern pulpwood production was down another 6 percent in 2000 to 66.6 million cords, or 175.2 million green tons. In 2000, the South Central region (consisting of Alabama, Arkansas, Kentucky, Louisiana, Mississippi, Oklahoma, Tennessee, and Texas) led pulpwood production, supplying 37.1 million cords compared to the Southeast's (Florida, Georgia, North Carolina, South Carolina, and Virginia) production of 29.6 million cords (table 1). Alabama continued to lead the South with 10.7 million cords of pulpwood produced in 2000 (fig. 1), a decline of 8 percent from 1999. Georgia's production declined 4 percent to 10.3 million cords. Production in Mississippi was down by 7 percent to 7.7 million cords, while Louisiana's production was up 2 percent to 6.9 million cords. South Carolina's production was down 11 percent to 5.7 million cords. Collectively, these five States accounted for 62 percent of the South's total production. Only Florida, Louisiana, Oklahoma, and Tennessee reported production increases (table 2). Softwood roundwood and residues combined accounted for 68 percent of the total pulpwood production, while hardwoods accounted for the remainder (table 3).

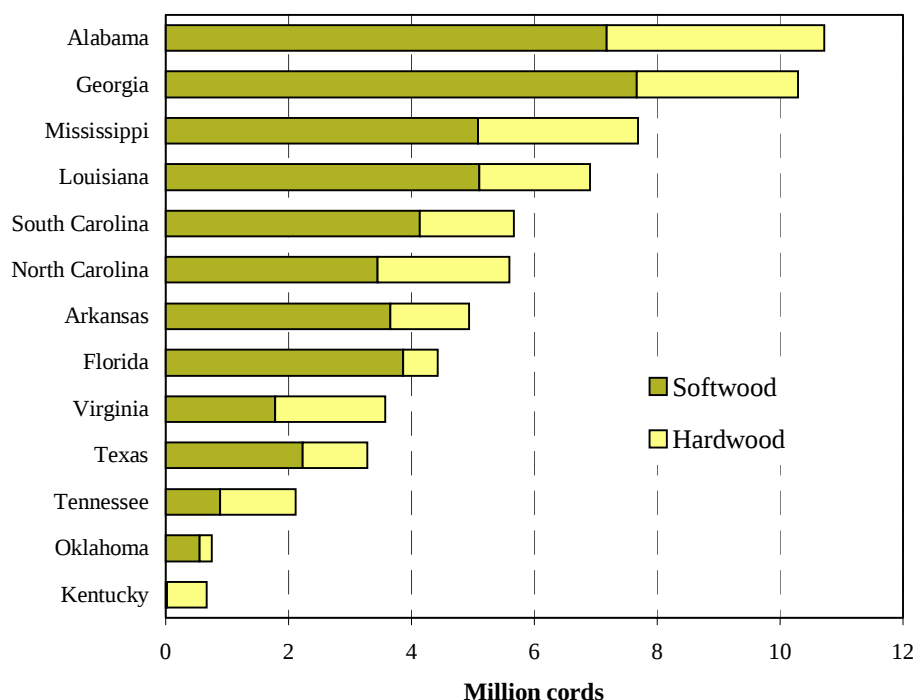


Figure 1—2000 pulpwood production by State and broad species.

Roundwood

Roundwood continues to be the primary fiber source used in pulp manufacture, accounting for 67 percent of the total pulpwood production (fig. 2). Overall, the South's roundwood production was down 10 percent in 2000 to a total of 44.4 million cords (table 4). Softwood accounted for 66 percent of the total roundwood production. Softwood roundwood production was down 10 percent, while hardwood roundwood production declined 9 percent. Alabama led in total roundwood production, with 7.9 million cords, and was the leading producer of hardwood roundwood, at 2.9 million cords. Georgia ranked second in roundwood production with 7.5 million cords and was the leading softwood roundwood producer. Mississippi, Louisiana, and South Carolina followed with 4.7, 4.2, and 3.8 million cords, respectively. Combined production in all five States comprised 63 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. An unknown proportion of the wood residue was chipped in the woods or was received at a primary processor, i.e., sawmill or veneer mill, as roundwood and subsequently chipped. Thus, an unknown proportion of the wood chips received at pulpmills as residues should be treated as roundwood because it was not a byproduct of the milling process.

With this in mind, in 2000, wood residue production in the South increased 2 percent from 21.8 million cords in 1999 to 22.3 million cords (table 5). Seventy-three percent of wood residues produced were softwoods. Mississippi led Southern States in the production of wood residues at 3.0 million cords, followed by Alabama and Georgia with 2.8 million cords each and Louisiana with 2.7 million cords. The South Central region led the Southeast region in wood residue production, supplying 60 percent of the total residue volume.

Parish or County Production

Tables 7 through 19 report county and parish (herein county) patterns of roundwood pulpwood production. Wood residues are not included in these figures because the county of origin for the residues is difficult, if not impossible, to determine. Of the 1,002 counties in the Southern States, 893 produced both softwood and hardwood roundwood; 15 harvested more than 250,000 cords of softwood

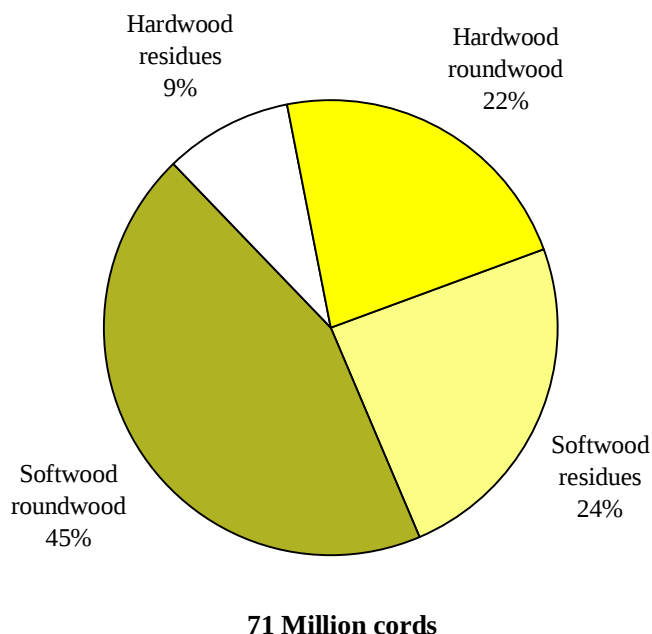


Figure 2—Distribution of total production by roundwood and residues.

and hardwood roundwood combined. Most of these counties were 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, 184 counties had production of more than 100 cords of softwood per square mile, while 40 counties had hardwood production in that range (table I).

A barometer for degree of competition is the number of mills procuring wood in a county (figs. 5 and 6). In 321 of the producing counties, or 36 percent, 1 to 3 mills were

Table I—Number of producing counties in the South, by range of cords per square mile for softwood and hardwood roundwood, 2000

Range	Softwood	Hardwood
	<i>Number of counties</i>	
0	80	48
0.001–10.0	216	273
10.1–50.0	227	376
50.1–100.0	186	156
100.1–511.0	184	40
Total	893	893

Softwood Roundwood Production, 2000

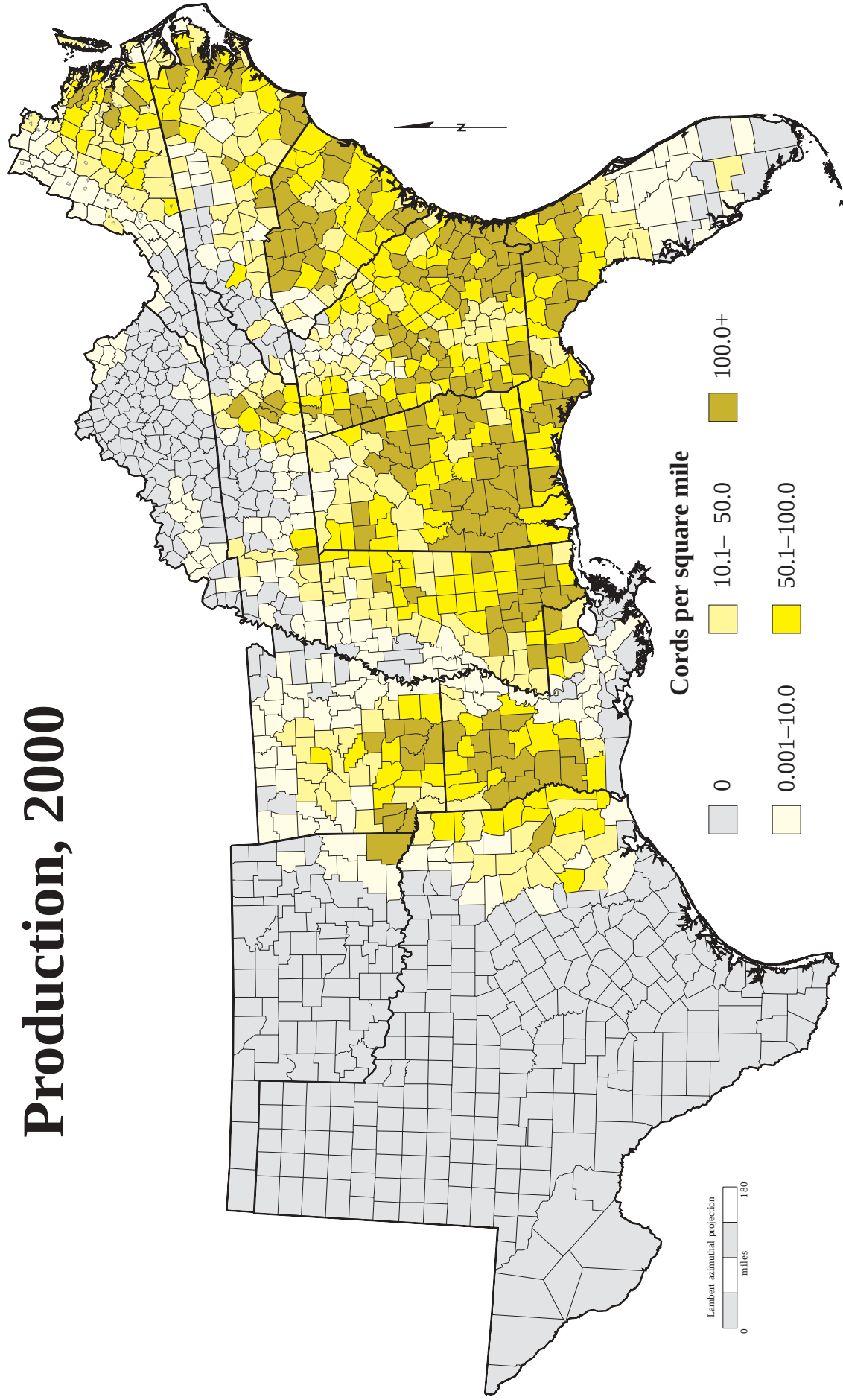


Figure 3—Softwood roundwood production in the South by county or parish, 2000.

Hardwood Roundwood Production, 2000

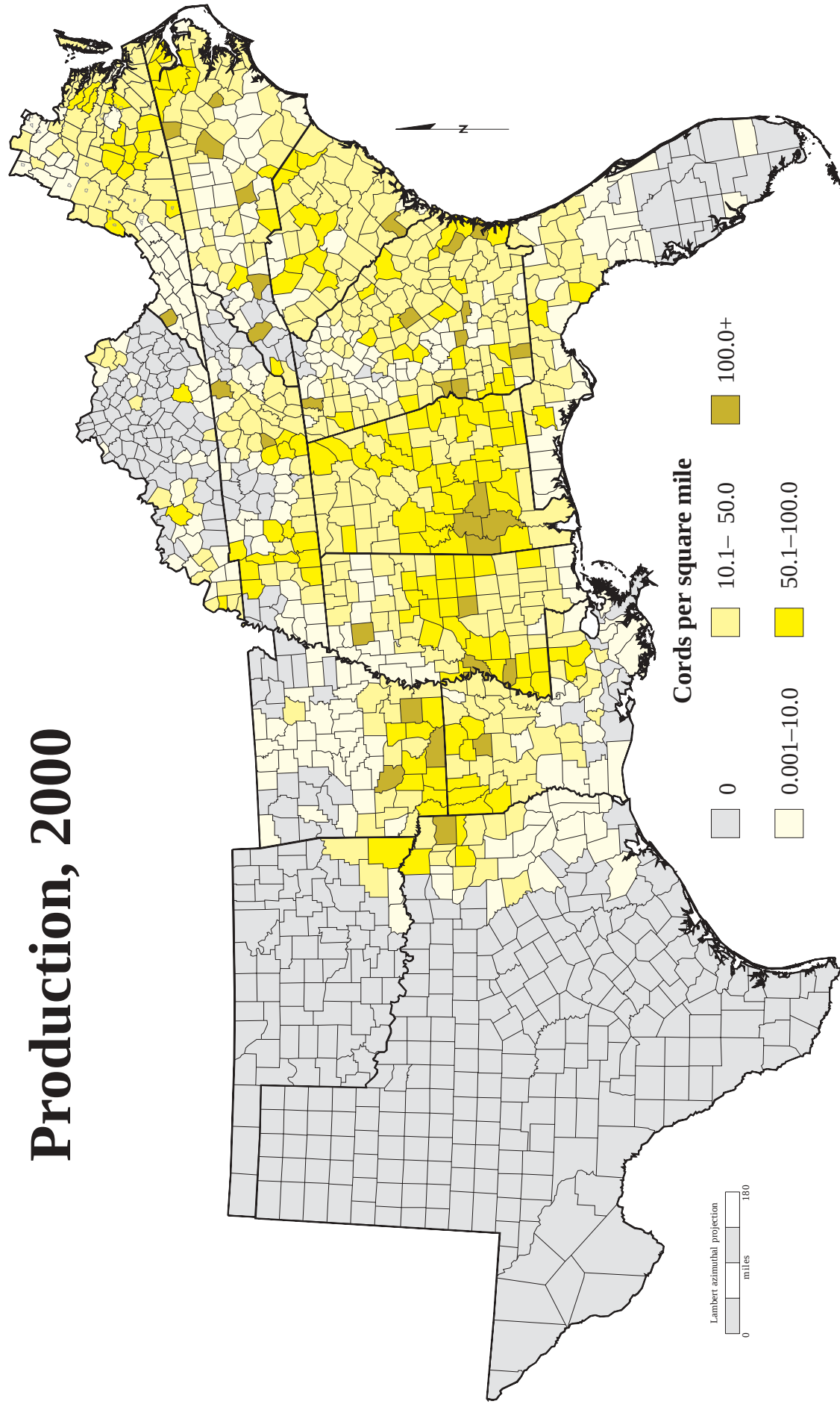


Figure 4—Hardwood roundwood production in the South by county or parish, 2000.

Softwood Mill Competition, 2000

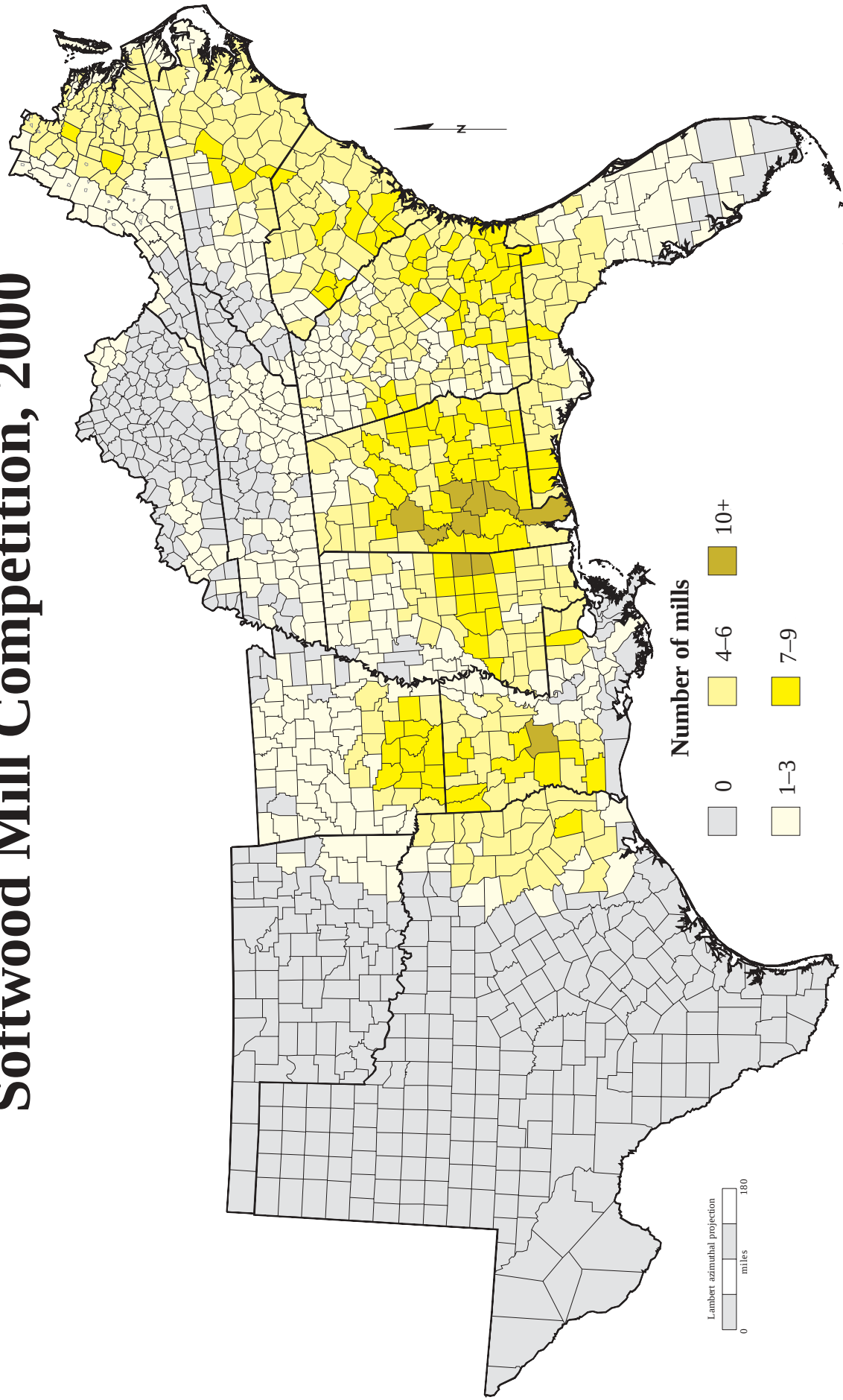


Figure 5—Number of mills competing for softwood roundwood by county or parish, 2000.

Hardwood Mill Competition, 2000

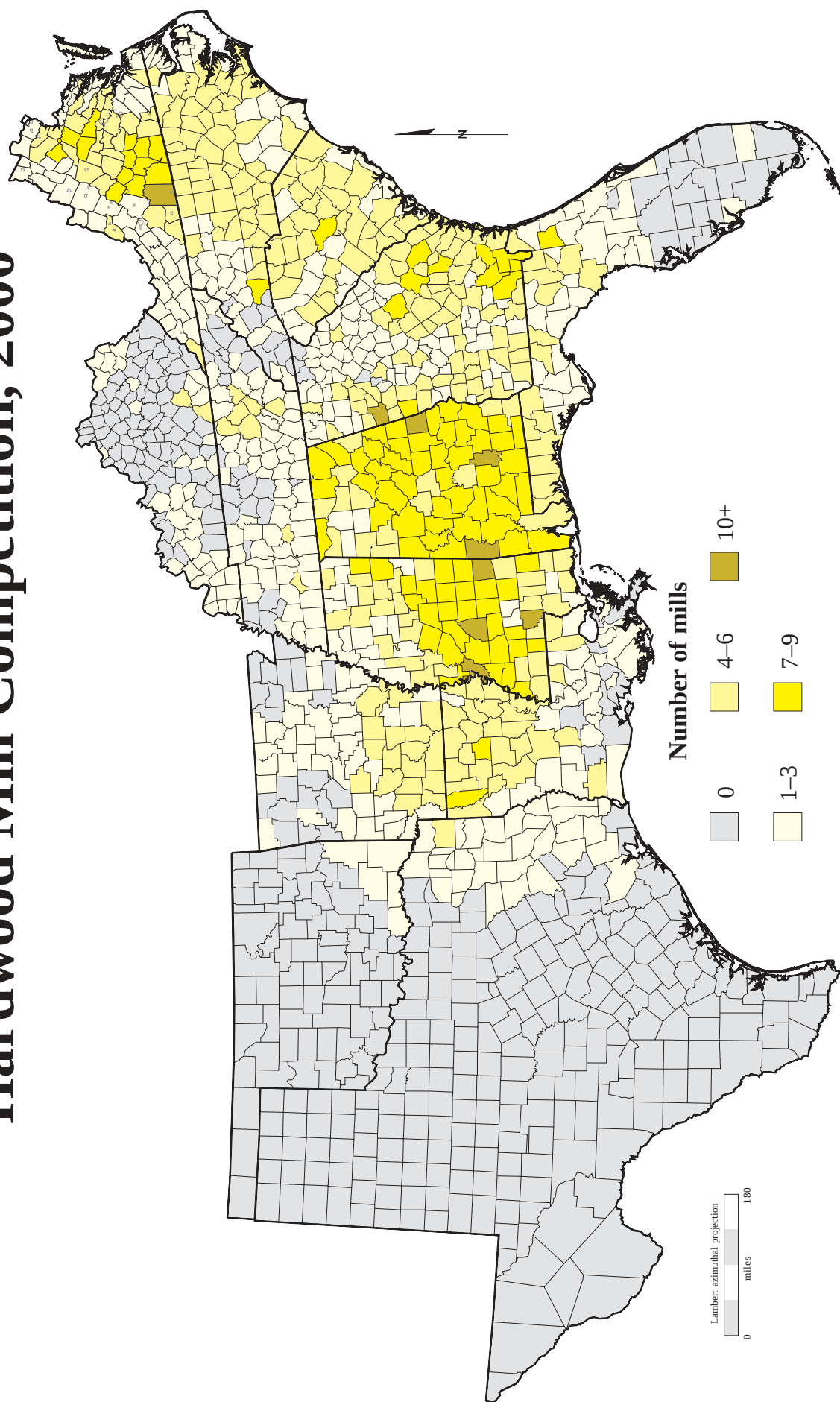


Figure 6—Number of mills competing for hardwood roundwood by county or parish, 2000.

actively procuring both softwood and hardwood roundwood (table II). In 271 counties, or 30 percent, 4 to 6 mills were actively procuring wood; and in the remaining 301 counties, or 34 percent, 7 or more mills were active.

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 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.

Table II—Number of producing counties in the South by the number of pulpmills procuring softwood and hardwood roundwood, 2000

Number of mills	Total	Softwood	Hardwood
<i>Number of counties</i>			
0	0	80	48
1–3	321	378	437
4–6	271	314	297
7–9	222	111	102
10+	79	10	9
Total	893	893	893

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's imports and exports were nearly in balance. For both softwood and hardwood combined, exports exceeded imports by only 11,076 cords (tables 20 and 21). The Southeast was also nearly in balance with softwood and hardwood imports exceeding exports by just 21,278 cords.

Mills

In 2000, 98 southern pulpmills were operating and drawing wood from the 13 Southern States (fig. 7), one more than in 1999. At the same time, total southern mill pulping capacity declined 3 percent from 134,418 tons per day in 1999 to

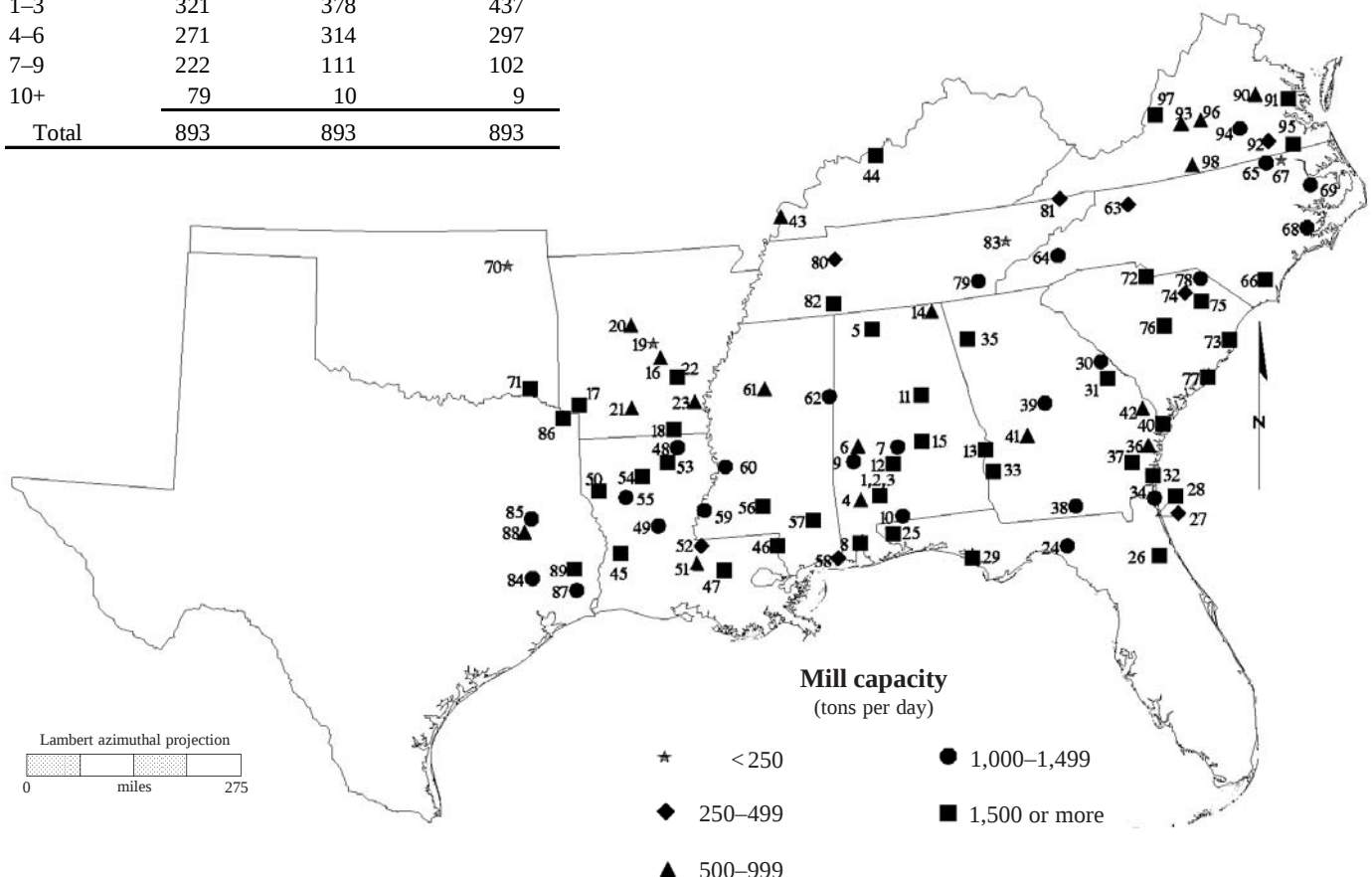


Figure 7—2000 capacity of southern pulpmills operating and drawing wood from the 13 Southern States. Numerals are coded on table 22.

130,337 tons per day in 2000. Southern mills still account for more than two-thirds of the Nation's total pulping capacity. Daily capacity of individual mills ranged from 50 tons to more than 3,250 tons. After 1991, average pulpmill capacity has risen from 1,282 tons per day to 1,330 tons per day in 2000. The sulfate process predominated the industry in 2000, accounting for 86 percent of mill capacity. Groundwood or other mechanical processes accounted for 8 percent, semi-chemical 5 percent, and soda and other chemical processes 1 percent (table 22). Based on 2000 production and mill capacity, and using an average of 350 total operating days, southern pulpmills operated at 91-percent capacity.

Alabama and Georgia continued to lead the South in the number of mills operating with 15 and 13, respectively. Alabama led in pulping capacity with 21,465 tons per day, to Georgia's 20,665 tons per day (table III). In addition, three pulpmills outside the Southern region drew wood from the South in 2000 (table 23).

Trends

From 1991 through 2000, southern pulpwood production increased by 2 percent, from 65.1 to 66.6 million cords (fig. 8). During the same period, roundwood pulpwood production declined from 46.7 to 44.4 million cords, a 5-percent loss. Between 1991 and 2000, softwood roundwood production declined 8 percent, while hardwood roundwood production increased 2 percent. The production of wood residues increased 21 percent from 18.4 million cords in 1991 to 22.3 million cords in 2000. As a proportion of total production for the 10-year period, wood residues peaked in 2000 at 33 percent and continue to be an important source of fiber for the pulp and paper industry in the South.

Literature Cited

- 2001 Lockwood-Post's Directory.** 2001. Pulp and paper mills in the United States. 2001 Lockwood-Post's Directory of Pulp, Paper and Allied Trades: 37-145.
- Paper Industry Management Association.** 2001. Papermaker's top 50: change is the rule. PIMA's North American Papermaker. 83(6): 1. http://www.pimaweb.com/PIMA/taf/pmarchive.taf?page=2001_06/f_top50.html. [Date accessed: May 22].

Table III—Number of pulpmills and pulping capacity, by State, 2000

State	Mills	24-hour capacity Tons
Alabama	15	21,465
Arkansas	8	8,493
Florida	6	8,686
Georgia	13	20,665
Kentucky	2	2,400
Louisiana	11	16,410
Mississippi	7	9,005
North Carolina	7	8,280
Oklahoma	2	2,200
South Carolina	7	11,213
Tennessee	5	4,225
Texas	6	7,445
Virginia	9	9,850
Total	98	130,337

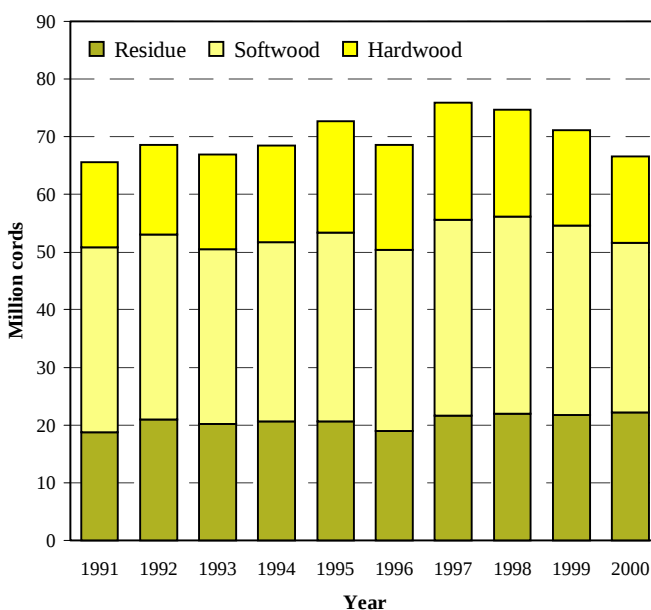


Figure 8—Southern pulpwood production, 1991-2000.

Table 1—Pulpwood production in the Southeast and South Central regions, 2000

Region and source of wood	All species	Softwood	Hardwood	All species	Softwood	Hardwood
<i>Standard cords</i>				<i>Green tons</i>		
Southeast^a						
Roundwood	20,655,155	14,627,475	6,027,680	56,371,686	39,494,183	16,877,503
Residues	8,901,450	6,269,841	2,631,609	21,565,884	15,078,968	6,486,916
Total	29,556,605	20,897,316	8,659,289	77,937,570	54,573,151	23,364,419
South Central^b						
Roundwood	23,722,195	14,778,876	8,943,319	64,944,258	39,902,965	25,041,293
Residues	13,357,982	9,921,495	3,436,487	32,332,137	23,861,196	8,470,941
Total	37,080,177	24,700,371	12,379,806	97,276,395	63,764,161	33,512,234
Entire South						
Roundwood	44,377,350	29,406,351	14,970,999	121,315,944	79,397,148	41,918,796
Residues	22,259,432	16,191,336	6,068,096	53,898,021	38,940,164	14,957,857
Total	66,636,782	45,597,687	21,039,095	175,213,965	118,337,312	56,876,653

^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 2000, and change since 1999

State	Change	Pulpwood	
	<i>Percent</i>	<i>Standard cords</i>	<i>Green tons</i>
Alabama	-8	10,719,837	28,430,596
Arkansas	-22	4,937,547	12,856,369
Florida	4	4,427,197	11,767,239
Georgia	-4	10,294,982	27,207,563
Kentucky	0	666,838	1,718,434
Louisiana	2	6,911,533	18,016,913
Mississippi	-7	7,691,844	20,125,868
North Carolina	-4	5,592,654	14,607,130
Oklahoma	1	751,853	1,965,106
South Carolina	-11	5,671,480	14,910,840
Tennessee	10	2,117,663	5,728,638
Texas	-17	3,283,062	8,434,471
Virginia	-1	3,570,292	9,444,798
All States	-6	66,636,782	175,213,965

Table 3—Pulpwood production in the South by State and species group, 2000

State	All species	Softwood	Hardwood
<i>Standard cords</i>			
Alabama	10,719,837	7,173,809	3,546,028
Arkansas	4,937,547	3,660,425	1,277,122
Florida	4,427,197	3,863,508	563,689
Georgia	10,294,982	7,668,020	2,626,962
Kentucky	666,838	19,952	646,886
Louisiana	6,911,533	5,101,292	1,810,241
Mississippi	7,691,844	5,082,477	2,609,367
North Carolina	5,592,654	3,445,502	2,147,152
Oklahoma	751,853	545,511	206,342
South Carolina	5,671,480	4,132,953	1,538,527
Tennessee	2,117,663	884,158	1,233,505
Texas	3,283,062	2,232,747	1,050,315
Virginia	3,570,292	1,787,333	1,782,959
All States	66,636,782	45,597,687	21,039,095

Table 4—Roundwood production in the South by State and species group, 2000 and 1999

State	Change from 1999	2000			1999		
		All species	Softwood	Hardwood	All species	Softwood	Hardwood
<i>Percent</i>		<i>Thousand cords</i>					
Alabama	-9	7,870.5	4,999.9	2,870.7	8,662.8	5,709.4	2,953.4
Arkansas	-23	2,928.4	1,902.1	1,026.4	3,788.6	2,464.3	1,324.3
Florida	2	3,611.0	3,091.6	519.3	3,551.6	3,030.6	521.0
Georgia	-5	7,493.7	5,497.2	1,996.6	7,886.3	5,751.6	2,134.7
Kentucky	-6	228.2	13.9	214.3	242.2	29.7	212.5
Louisiana	-12	4,204.6	3,061.9	1,142.7	4,787.7	3,421.6	1,366.1
Mississippi	-13	4,718.3	2,755.3	1,963.0	5,441.6	3,105.7	2,335.9
North Carolina	-7	3,309.5	2,018.2	1,291.4	3,568.7	2,213.9	1,354.8
Oklahoma	-30	464.1	274.1	190.0	665.3	445.0	220.3
South Carolina	-15	3,849.5	2,774.0	1,075.5	4,515.7	3,040.6	1,475.1
Tennessee	10	1,776.5	837.0	939.5	1,619.5	719.1	900.4
Texas	-30	1,531.6	934.8	596.8	2,202.1	1,472.0	730.1
Virginia	4	2,391.4	1,246.5	1,144.9	2,301.9	1,301.1	1,000.8
All States	-10	44,377.4	29,406.4	14,971.0	49,234.0	32,704.6	16,529.4

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

Table 7—Roundwood pulpwood production in Alabama, 2000

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Autauga	83,592	47,687	35,905	229,289	128,755	100,534
Baldwin	181,784	154,288	27,496	493,567	416,578	76,989
Barbour	226,772	146,048	80,724	620,357	394,330	226,027
Bibb	84,447	54,840	29,607	230,968	148,068	82,900
Blount	28,409	13,360	15,049	78,209	36,072	42,137
Bullock	130,118	91,825	38,293	355,148	247,928	107,220
Butler	279,436	220,820	58,616	760,339	596,214	164,125
Calhoun	53,002	27,060	25,942	145,700	73,062	72,638
Chambers	138,164	80,070	58,094	378,852	216,189	162,663
Cherokee	63,969	46,811	17,158	174,432	126,390	48,042
Chilton	88,742	50,280	38,462	243,450	135,756	107,694
Choctaw	286,748	159,632	127,116	786,931	431,006	355,925
Clarke	375,274	205,932	169,342	1,030,174	556,016	474,158
Clay	116,953	79,456	37,497	319,523	214,531	104,992
Cleburne	94,822	61,381	33,441	259,364	165,729	93,635
Coffee	108,208	71,407	36,801	295,842	192,799	103,043
Colbert	61,362	41,898	19,464	167,624	113,125	54,499
Conecuh	332,302	276,159	56,143	902,829	745,629	157,200
Coosa	209,860	160,811	49,049	571,527	434,190	137,337
Covington	150,944	116,724	34,220	410,971	315,155	95,816
Crenshaw	132,616	96,296	36,320	361,695	259,999	101,696
Cullman	47,155	28,545	18,610	129,180	77,072	52,108
Dale	75,247	26,518	48,729	208,040	71,599	136,441
Dallas	178,811	103,042	75,769	490,366	278,213	212,153
De Kalb	62,623	8,166	54,457	174,528	22,048	152,480
Elmore	54,062	34,661	19,401	147,908	93,585	54,323
Escambia	174,454	128,876	45,578	475,583	347,965	127,618
Etowah	43,400	14,224	29,176	120,098	38,405	81,693
Fayette	61,356	45,535	15,821	167,244	122,945	44,299
Franklin	96,424	61,397	35,027	263,848	165,772	98,076
Geneva	75,077	46,007	29,070	205,615	124,219	81,396
Greene	96,690	34,279	62,411	267,304	92,553	174,751
Hale	87,131	40,511	46,620	239,916	109,380	130,536
Henry	78,052	23,618	54,434	216,184	63,769	152,415
Houston	54,214	30,750	23,464	148,724	83,025	65,699
Jackson	81,888	11,215	70,673	228,165	30,281	197,884
Jefferson	46,997	35,190	11,807	128,073	95,013	33,060
Lamar	60,953	35,754	25,199	167,093	96,536	70,557
Lauderdale	32,889	12,030	20,859	90,886	32,481	58,405
Lawrence	28,108	10,441	17,667	77,659	28,191	49,468
Lee	83,251	46,606	36,645	228,442	125,836	102,606
Limestone	13,225	3,361	9,864	36,694	9,075	27,619
Lowndes	106,864	61,984	44,880	293,021	167,357	125,664
Macon	72,392	45,343	27,049	198,163	122,426	75,737
Madison	9,927	1,042	8,885	27,691	2,813	24,878
Marengo	318,389	185,678	132,711	872,922	501,331	371,591
Marion	92,902	75,386	17,516	252,587	203,542	49,045
Marshall	21,221	675	20,546	59,352	1,823	57,529
Mobile	121,419	88,547	32,872	331,119	239,077	92,042
Monroe	292,473	222,361	70,112	796,689	600,375	196,314
Montgomery	55,412	32,651	22,761	151,889	88,158	63,731
Morgan	20,951	9,143	11,808	57,748	24,686	33,062
Perry	119,787	79,065	40,722	327,498	213,476	114,022
Pickens	84,684	28,503	56,181	234,265	76,958	157,307
Pike	77,539	55,067	22,472	211,603	148,681	62,922
Randolph	81,959	55,563	26,396	223,929	150,020	73,909
Russell	136,476	96,405	40,071	372,493	260,294	112,199
St. Clair	108,375	72,942	35,433	296,155	196,943	99,212
Shelby	105,490	84,616	20,874	286,910	228,463	58,447
Sumter	211,638	137,568	74,070	578,830	371,434	207,396
Talladega	119,844	74,680	45,164	328,095	201,636	126,459
Tallapoosa	145,439	110,190	35,249	396,210	297,513	98,697
Tuscaloosa	111,436	40,817	70,619	307,939	110,206	197,733
Walker	86,604	64,892	21,712	236,002	175,208	60,794
Washington	222,401	122,462	99,939	610,476	330,647	279,829
Wilcox	307,860	203,643	104,217	841,644	549,836	291,808
Winston	79,497	67,116	12,381	215,880	181,213	34,667
All counties	7,870,510	4,999,850	2,870,660	21,537,451	13,499,600	8,037,851

^a Counties with no pulpwood production are omitted.

Table 8—Roundwood pulpwood production in Arkansas, 2000

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Arkansas	24,780	4,802	19,978	68,903	12,965	55,938
Ashley	129,915	69,222	60,693	356,839	186,899	169,940
Baxter	798	767	31	2,158	2,071	87
Benton	40	10	30	111	27	84
Boone	21	10	11	58	27	31
Bradley	149,423	89,378	60,045	409,447	241,321	168,126
Calhoun	117,805	88,712	29,093	320,982	239,522	81,460
Chicot	18,715	4,198	14,517	51,983	11,335	40,648
Clark	173,114	71,591	101,523	477,560	193,296	284,264
Cleburne	29,751	27,015	2,736	80,602	72,941	7,661
Cleveland	110,789	64,467	46,322	303,763	174,061	129,702
Columbia	106,707	57,692	49,015	293,010	155,768	137,242
Conway	41,354	40,996	358	111,691	110,689	1,002
Craighead	10	10	0	27	27	0
Crawford	179	179	0	483	483	0
Crittenden	8	0	8	22	0	22
Cross	140	131	9	379	354	25
Dallas	75,031	52,445	22,586	204,843	141,602	63,241
Desha	32,235	1,109	31,126	90,147	2,994	87,153
Drew	151,366	64,940	86,426	417,331	175,338	241,993
Faulkner	7,131	6,691	440	19,298	18,066	1,232
Franklin	1,261	1,179	82	3,413	3,183	230
Fulton	25	14	11	69	38	31
Garland	16,078	14,905	1,173	43,528	40,244	3,284
Grant	161,709	157,390	4,319	437,046	424,953	12,093
Hempstead	36,580	18,994	17,586	100,525	51,284	49,241
Hot Spring	25,846	24,899	947	69,879	67,227	2,652
Howard	100,539	87,068	13,471	272,803	235,084	37,719
Independence	11,761	3,296	8,465	32,601	8,899	23,702
Izard	1,523	1,512	11	4,113	4,082	31
Jackson	1,477	1,294	183	4,006	3,494	512
Jefferson	43,776	31,420	12,356	119,431	84,834	34,597
Johnson	8,907	8,907	0	24,049	24,049	0
Lafayette	55,105	21,993	33,112	152,095	59,381	92,714
Lawrence	289	289	0	780	780	0
Lee	242	0	242	678	0	678
Lincoln	44,013	27,492	16,521	120,487	74,228	46,259
Little River	227,084	207,786	19,298	615,056	561,022	54,034
Logan	17,971	17,971	0	48,522	48,522	0
Lonoke	2,135	51	2,084	5,973	138	5,835
Marion	539	522	17	1,457	1,409	48
Miller	62,080	13,072	49,008	172,516	35,294	137,222
Monroe	476	411	65	1,292	1,110	182
Montgomery	577	30	547	1,613	81	1,532
Nevada	89,682	40,444	49,238	247,065	109,199	137,866
Newton	585	585	0	1,580	1,580	0
Ouachita	124,659	86,053	38,606	340,440	232,343	108,097
Perry	25,139	25,089	50	67,880	67,740	140
Phillips	1,104	615	489	3,030	1,661	1,369
Pike	69,126	45,429	23,697	189,010	122,658	66,352
Polk	78,861	37,871	40,990	217,024	102,252	114,772
Pope	14,938	14,938	0	40,333	40,333	0
Prairie	1,522	1,118	404	4,150	3,019	1,131
Pulaski	16,111	13,882	2,229	43,722	37,481	6,241
St. Francis	1,708	1,708	0	4,612	4,612	0
Saline	48,581	45,421	3,160	131,485	122,637	8,848
Scott	8,385	8,295	90	22,649	22,397	252
Searcy	944	658	286	2,578	1,777	801
Sebastian	1,921	1,921	0	5,187	5,187	0
Sevier	98,731	94,756	3,975	266,971	255,841	11,130
Sharp	37	37	0	100	100	0
Stone	15,113	14,947	166	40,822	40,357	465
Union	286,850	129,923	156,927	790,188	350,792	439,396
Van Buren	24,055	23,997	58	64,954	64,792	162
Washington	8	8	0	22	22	0
White	9,140	7,592	1,548	24,832	20,498	4,334
Yell	21,926	21,926	0	59,200	59,200	0
All counties	2,928,431	1,902,073	1,026,358	8,009,403	5,135,600	2,873,803

^a Counties with no pulpwood production are omitted.

Table 9—Roundwood pulpwood production in Florida, 2000

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Alachua	151,204	140,503	10,701	409,321	379,358	29,963
Baker	90,363	86,870	3,493	244,329	234,549	9,780
Bay	117,264	112,165	5,099	317,123	302,846	14,277
Bradford	57,469	53,431	4,038	155,570	144,264	11,306
Brevard	8,876	8,839	37	23,969	23,865	104
Broward	75	68	7	204	184	20
Calhoun	100,442	75,916	24,526	273,646	204,973	68,673
Citrus	24,677	19,642	5,035	67,131	53,033	14,098
Clay	50,852	43,351	7,501	138,051	117,048	21,003
Columbia	127,816	113,914	13,902	346,494	307,568	38,926
Dixie	141,118	98,883	42,235	385,242	266,984	118,258
Duval	67,511	66,714	797	182,360	180,128	2,232
Escambia	57,544	51,556	5,988	155,967	139,201	16,766
Flagler	68,476	58,585	9,891	185,875	158,180	27,695
Franklin	52,736	52,729	7	142,388	142,368	20
Gadsden	93,427	81,102	12,325	253,485	218,975	34,510
Gilchrist	42,716	36,940	5,776	115,911	99,738	16,173
Gulf	140,577	136,571	4,006	379,959	368,742	11,217
Hamilton	69,909	51,058	18,851	190,640	137,857	52,783
Hardee	5,362	5,362	0	14,477	14,477	0
Hendry	18,766	18,766	0	50,668	50,668	0
Hernando	23,516	20,494	3,022	63,796	55,334	8,462
Highlands	24	24	0	65	65	0
Hillsborough	4,386	4,386	0	11,842	11,842	0
Holmes	90,758	68,765	21,993	247,246	185,666	61,580
Indian River	2,506	2,506	0	6,766	6,766	0
Jackson	110,051	81,580	28,471	299,985	220,266	79,719
Jefferson	74,681	45,281	29,400	204,579	122,259	82,320
Lafayette	67,811	59,415	8,396	183,930	160,421	23,509
Lake	16,616	15,346	1,270	44,990	41,434	3,556
Lee	27	9	18	74	24	50
Leon	43,402	33,289	10,113	118,196	89,880	28,316
Levy	106,306	71,976	34,330	290,459	194,335	96,124
Liberty	80,655	63,146	17,509	219,519	170,494	49,025
Madison	104,599	57,371	47,228	287,140	154,902	132,238
Marion	120,293	104,893	15,400	326,331	283,211	43,120
Martin	4,215	4,215	0	11,381	11,381	0
Nassau	131,958	118,804	13,154	357,602	320,771	36,831
Okaloosa	72,628	70,530	2,098	196,305	190,431	5,874
Okeechobee	401	401	0	1,083	1,083	0
Orange	5,219	5,191	28	14,094	14,016	78
Osceola	5,515	5,515	0	14,891	14,891	0
Pasco	15,171	13,157	2,014	41,163	35,524	5,639
Polk	3,948	3,948	0	10,660	10,660	0
Putnam	82,920	72,648	10,272	224,912	196,150	28,762
St. Johns	107,379	97,285	10,094	290,933	262,670	28,263
St. Lucie	3,591	3,591	0	9,696	9,696	0
Santa Rosa	151,606	142,440	9,166	410,253	384,588	25,665
Sarasota	2,193	2,193	0	5,921	5,921	0
Seminole	9,871	9,871	0	26,652	26,652	0
Sumter	27,531	22,496	5,035	74,837	60,739	14,098
Suwannee	63,377	59,522	3,855	171,503	160,709	10,794
Taylor	245,835	237,553	8,282	664,583	641,393	23,190
Union	78,641	70,421	8,220	213,153	190,137	23,016
Volusia	55,698	48,692	7,006	151,085	131,468	19,617
Wakulla	21,362	21,234	128	57,690	57,332	358
Walton	69,943	60,570	9,373	189,783	163,539	26,244
Washington	119,157	79,924	39,233	325,647	215,795	109,852
All counties	3,610,970	3,091,647	519,323	9,801,555	8,347,451	1,454,104

^a Counties with no pulpwood production are omitted.

Table 10—Roundwood pulpwood production in Georgia, 2000

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Appling	131,967	112,192	19,775	358,288	302,918	55,370
Atkinson	35,995	35,457	538	97,240	95,734	1,506
Bacon	69,597	55,971	13,626	189,275	151,122	38,153
Baker	24,896	12,919	11,977	68,417	34,881	33,536
Baldwin	53,471	39,091	14,380	145,810	105,546	40,264
Banks	8,804	4,942	3,862	24,157	13,343	10,814
Barrow	5,509	599	4,910	15,365	1,617	13,748
Bartow	42,946	26,170	16,776	117,632	70,659	46,973
Ben Hill	80,116	35,600	44,516	220,765	96,120	124,645
Berrien	17,105	12,322	4,783	46,661	33,269	13,392
Bibb	31,114	25,891	5,223	84,530	69,906	14,624
Bleckley	14,824	6,452	8,372	40,862	17,420	23,442
Brantley	134,246	113,588	20,658	364,530	306,688	57,842
Brooks	27,990	15,521	12,469	76,820	41,907	34,913
Bryan	50,286	33,636	16,650	137,437	90,817	46,620
Bulloch	47,565	28,506	19,059	130,331	76,966	53,365
Burke	114,069	60,885	53,184	313,305	164,390	148,915
Butts	20,592	16,033	4,559	56,054	43,289	12,765
Calhoun	28,269	15,889	12,380	77,564	42,900	34,664
Camden	145,422	113,666	31,756	395,815	306,898	88,917
Candler	32,508	22,306	10,202	88,792	60,226	28,566
Carroll	121,817	104,212	17,605	330,666	281,372	49,294
Catoosa	5,862	5,419	443	15,871	14,631	1,240
Charlton	153,477	136,396	17,081	416,096	368,269	47,827
Chatham	33,268	20,239	13,029	91,126	54,645	36,481
Chattahoochee	40,808	13,105	27,703	112,952	35,384	77,568
Chattooga	24,419	12,757	11,662	67,098	34,444	32,654
Cherokee	44,409	32,862	11,547	121,059	88,727	32,332
Clarke	368	0	368	1,030	0	1,030
Clay	27,926	16,865	11,061	76,507	45,536	30,971
Clayton	663	663	0	1,790	1,790	0
Clinch	208,488	191,088	17,400	564,658	515,938	48,720
Cobb	1,103	844	259	3,004	2,279	725
Coffee	50,681	39,791	10,890	137,928	107,436	30,492
Colquitt	24,846	17,790	7,056	67,790	48,033	19,757
Columbia	12,757	9,398	3,359	34,780	25,375	9,405
Cook	5,718	2,732	2,986	15,737	7,376	8,361
Coweta	32,030	29,535	2,495	86,731	79,745	6,986
Crawford	82,707	50,624	32,083	226,517	136,685	89,832
Crisp	65,025	6,790	58,235	181,391	18,333	163,058
Dade	6,370	248	6,122	17,812	670	17,142
Dawson	13,056	8,801	4,255	35,677	23,763	11,914
Decatur	104,570	85,302	19,268	284,265	230,315	53,950
De Kalb	89	89	0	240	240	0
Dodge	78,114	39,665	38,449	214,753	107,096	107,657
Dooly	16,219	14,479	1,740	43,965	39,093	4,872
Dougherty	35,374	22,519	12,855	96,795	60,801	35,994
Douglas	3,989	2,636	1,353	10,905	7,117	3,788
Early	95,933	65,844	30,089	262,028	177,779	84,249
Echols	119,735	117,834	1,901	323,475	318,152	5,323
Effingham	85,040	64,591	20,449	231,653	174,396	57,257
Elbert	36,097	29,228	6,869	98,149	78,916	19,233
Emanuel	87,588	71,043	16,545	238,142	191,816	46,326
Evans	30,039	12,871	17,168	82,822	34,752	48,070

continued

Table 10—Roundwood pulpwood production in Georgia, 2000 (continued)

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Fannin	7,945	5,527	2,418	21,693	14,923	6,770
Fayette	6,238	4,918	1,320	16,975	13,279	3,696
Floyd	169,905	139,668	30,237	461,768	377,104	84,664
Forsyth	3,551	2,888	663	9,654	7,798	1,856
Franklin	4,592	2,006	2,586	12,657	5,416	7,241
Fulton	14,221	11,487	2,734	38,670	31,015	7,655
Gilmer	11,614	10,175	1,439	31,502	27,473	4,029
Glascocock	6,002	3,827	2,175	16,423	10,333	6,090
Glynn	485,658	370,492	115,166	1,322,793	1,000,328	322,465
Gordon	34,541	29,624	4,917	93,753	79,985	13,768
Grady	102,630	55,233	47,397	281,841	149,129	132,712
Greene	9,409	4,201	5,208	25,925	11,343	14,582
Gwinnett	6,217	4,490	1,727	16,959	12,123	4,836
Habersham	822	218	604	2,280	589	1,691
Hall	1,742	65	1,677	4,872	176	4,696
Hancock	60,457	42,791	17,666	165,001	115,536	49,465
Haralson	47,907	43,165	4,742	129,824	116,546	13,278
Harris	44,304	31,335	12,969	120,918	84,605	36,313
Hart	1,535	0	1,535	4,298	0	4,298
Heard	67,637	62,893	4,744	183,094	169,811	13,283
Henry	18,333	12,762	5,571	50,056	34,457	15,599
Houston	46,842	46,834	8	126,474	126,452	22
Irwin	15,915	12,915	3,000	43,271	34,871	8,400
Jackson	5,396	1,279	4,117	14,981	3,453	11,528
Jasper	19,003	11,484	7,519	52,060	31,007	21,053
Jeff Davis	85,908	57,602	28,306	234,782	155,525	79,257
Jefferson	42,091	27,922	14,169	115,062	75,389	39,673
Jenkins	50,600	40,573	10,027	137,623	109,547	28,076
Johnson	26,214	18,401	7,813	71,559	49,683	21,876
Jones	51,759	40,565	11,194	140,869	109,526	31,343
Lamar	9,983	8,548	1,435	27,098	23,080	4,018
Lanier	31,033	28,044	2,989	84,088	75,719	8,369
Laurens	97,873	57,799	40,074	268,264	156,057	112,207
Lee	23,433	16,074	7,359	64,005	43,400	20,605
Liberty	166,862	121,263	45,599	455,087	327,410	127,677
Lincoln	22,090	15,641	6,449	60,288	42,231	18,057
Long	170,980	113,538	57,442	467,391	306,553	160,838
Lowndes	37,578	25,500	12,078	102,668	68,850	33,818
Lumpkin	14,593	13,677	916	39,493	36,928	2,565
Macon	47,160	46,860	300	127,362	126,522	840
Madison	13,575	10,860	2,715	36,924	29,322	7,602
Marion	83,300	79,246	4,054	225,315	213,964	11,351
McDuffie	19,843	6,315	13,528	54,929	17,051	37,878
McIntosh	136,855	98,032	38,823	373,390	264,686	108,704
Meriwether	59,337	50,768	8,569	161,067	137,074	23,993
Miller	29,767	14,633	15,134	81,884	39,509	42,375
Mitchell	62,796	31,557	31,239	172,673	85,204	87,469
Monroe	72,514	51,441	21,073	197,895	138,891	59,004
Montgomery	30,624	21,980	8,644	83,549	59,346	24,203
Morgan	29,037	2,808	26,229	81,023	7,582	73,441
Murray	67,077	28,098	38,979	185,006	75,865	109,141
Muscogee	9,430	6,493	2,937	25,755	17,531	8,224
Newton	6,370	5,836	534	17,252	15,757	1,495

continued

Table 10—Roundwood pulpwood production in Georgia, 2000 (continued)

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Oconee	8,374	7,753	621	22,672	20,933	1,739
Oglethorpe	14,074	7,493	6,581	38,658	20,231	18,427
Paulding	57,810	43,530	14,280	157,515	117,531	39,984
Peach	1,680	1,588	92	4,546	4,288	258
Pickens	20,664	16,211	4,453	56,238	43,770	12,468
Pierce	39,922	29,511	10,411	108,831	79,680	29,151
Pike	1,984	1,942	42	5,361	5,243	118
Polk	44,114	37,479	6,635	119,771	101,193	18,578
Pulaski	3,704	2,475	1,229	10,124	6,683	3,441
Putnam	53,728	43,006	10,722	146,138	116,116	30,022
Quitman	25,710	21,291	4,419	69,859	57,486	12,373
Randolph	62,957	43,224	19,733	171,957	116,705	55,252
Richmond	33,392	21,786	11,606	91,319	58,822	32,497
Rockdale	529	456	73	1,435	1,231	204
Schley	20,787	20,179	608	56,185	54,483	1,702
Screven	52,280	32,531	19,749	143,131	87,834	55,297
Seminole	24,092	23,016	1,076	65,156	62,143	3,013
Spalding	1,841	1,702	139	4,984	4,595	389
Stephens	3,287	1,898	1,389	9,014	5,125	3,889
Stewart	182,504	136,254	46,250	497,386	367,886	129,500
Sumter	52,475	26,900	25,575	144,240	72,630	71,610
Talbot	73,671	62,200	11,471	200,059	167,940	32,119
Taliaferro	9,944	5,946	3,998	27,248	16,054	11,194
Tattall	56,999	45,053	11,946	155,092	121,643	33,449
Taylor	31,889	30,342	1,547	86,255	81,923	4,332
Telfair	61,105	53,219	7,886	165,772	143,691	22,081
Terrell	30,198	24,340	5,858	82,120	65,718	16,402
Thomas	59,726	38,717	21,009	163,361	104,536	58,825
Tift	10,458	3,769	6,689	28,905	10,176	18,729
Toombs	70,187	59,536	10,651	190,570	160,747	29,823
Towns	29	29	0	78	78	0
Treutlen	33,075	27,401	5,674	89,870	73,983	15,887
Troup	54,382	27,209	27,173	149,548	73,464	76,084
Turner	13,547	11,168	2,379	36,815	30,154	6,661
Twiggs	46,041	31,769	14,272	125,738	85,776	39,962
Union	236	236	0	637	637	0
Upson	19,807	19,480	327	53,512	52,596	916
Walker	13,202	5,960	7,242	36,370	16,092	20,278
Walton	1,450	747	703	3,985	2,017	1,968
Ware	212,862	203,737	9,125	575,640	550,090	25,550
Warren	29,278	19,485	9,793	80,030	52,610	27,420
Washington	46,115	26,685	19,430	126,454	72,050	54,404
Wayne	159,840	133,864	25,976	434,166	361,433	72,733
Webster	29,374	20,933	8,441	80,154	56,519	23,635
Wheeler	30,241	19,814	10,427	82,694	53,498	29,196
White	2,501	2,132	369	6,789	5,756	1,033
Whitfield	49,667	41,574	8,093	134,910	112,250	22,660
Wilcox	31,221	26,654	4,567	84,754	71,966	12,788
Wilkes	49,027	27,506	21,521	134,525	74,266	60,259
Wilkinson	84,269	27,861	56,408	233,167	75,225	157,942
Worth	20,510	15,335	5,175	55,895	41,405	14,490
All counties	7,493,733	5,497,173	1,996,560	20,432,738	14,842,375	5,590,363

^a Counties with no pulpwood production are omitted.

Table 11—Roundwood pulpwood production in Kentucky, 2000

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Ballard	6,146	0	6,146	17,209	0	17,209
Bell	362	0	362	1,014	0	1,014
Boyd	2,723	60	2,663	7,618	162	7,456
Breckinridge	6,708	0	6,708	18,782	0	18,782
Butler	18,634	1,012	17,622	52,074	2,732	49,342
Caldwell	4,766	1,180	3,586	13,227	3,186	10,041
Calloway	1,331	0	1,331	3,727	0	3,727
Carlisle	12,938	0	12,938	36,226	0	36,226
Carroll	33	0	33	92	0	92
Carter	8,523	890	7,633	23,775	2,403	21,372
Clark	2,781	0	2,781	7,787	0	7,787
Clinton	5,626	0	5,626	15,753	0	15,753
Crittenden	4,814	1,371	3,443	13,342	3,702	9,640
Edmonson	3,065	0	3,065	8,582	0	8,582
Elliott	6,438	697	5,741	17,957	1,882	16,075
Fulton	2,952	0	2,952	8,266	0	8,266
Graves	9,054	59	8,995	25,345	159	25,186
Grayson	4,975	1,389	3,586	13,791	3,750	10,041
Green	69	0	69	193	0	193
Greenup	11,225	427	10,798	31,387	1,153	30,234
Harlan	653	653	0	1,763	1,763	0
Hickman	2,990	0	2,990	8,372	0	8,372
Hopkins	1,311	62	1,249	3,664	167	3,497
Knox	2,288	2,032	256	6,203	5,486	717
Laurel	33,548	1,221	32,327	93,813	3,297	90,516
Lawrence	3,521	756	2,765	9,783	2,041	7,742
Lewis	2,468	29	2,439	6,907	78	6,829
Livingston	5,516	47	5,469	15,440	127	15,313
Lyon	2,753	50	2,703	7,703	135	7,568
Marshall	1,512	0	1,512	4,234	0	4,234
McCracken	1,267	0	1,267	3,548	0	3,548
McCreary	2,679	109	2,570	7,490	294	7,196
McLean	497	0	497	1,392	0	1,392
Menifee	29	0	29	81	0	81
Metcalfe	786	0	786	2,201	0	2,201
Monroe	1,226	0	1,226	3,433	0	3,433
Muhlenberg	798	6	792	2,234	16	2,218
Ohio	44,536	1,458	43,078	124,555	3,937	120,618
Trigg	3,395	72	3,323	9,498	194	9,304
Union	881	0	881	2,467	0	2,467
Whitley	2,336	314	2,022	6,510	848	5,662
All counties	228,153	13,894	214,259	637,438	37,512	599,926

^a Counties with no pulpwood production are omitted.

Table 12—Roundwood pulpwood production in Louisiana, 2000

Parish ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Acadia	5,724	5,665	59	15,461	15,296	165
Allen	181,073	169,307	11,766	490,074	457,129	32,945
Ascension	717	21	696	2,006	57	1,949
Assumption	11	11	0	30	30	0
Avoyelles	6,994	4,732	2,262	19,110	12,776	6,334
Beauregard	259,307	258,842	465	700,175	698,873	1,302
Bienville	139,658	99,354	40,304	381,107	268,256	112,851
Bossier	152,609	71,246	81,363	420,180	192,364	227,816
Caddo	97,693	23,796	73,897	271,161	64,249	206,912
Calcasieu	55,262	53,932	1,330	149,340	145,616	3,724
Caldwell	106,909	94,021	12,888	289,943	253,857	36,086
Cameron	38	0	38	106	0	106
Catahoula	54,266	45,980	8,286	147,347	124,146	23,201
Claiborne	90,570	53,274	37,296	248,269	143,840	104,429
Concordia	23,029	10	23,019	64,480	27	64,453
De Soto	199,366	122,460	76,906	545,979	330,642	215,337
East Baton Rouge	29,935	6,120	23,815	83,206	16,524	66,682
East Carroll	7,066	2,129	4,937	19,572	5,748	13,824
East Feliciana	52,153	31,259	20,894	142,902	84,399	58,503
Evangeline	53,922	45,957	7,965	146,386	124,084	22,302
Franklin	17,035	4,392	12,643	47,258	11,858	35,400
Grant	52,373	46,573	5,800	141,987	125,747	16,240
Iberville	24,581	24	24,557	68,825	65	68,760
Jackson	227,654	107,686	119,968	626,662	290,752	335,910
Jefferson	11	0	11	31	0	31
Jefferson Davis	6,897	6,897	0	18,622	18,622	0
Lafayette	5,202	41	5,161	14,562	111	14,451
Lafourche	1,492	99	1,393	4,167	267	3,900
La Salle	172,448	156,362	16,086	467,218	422,177	45,041
Lincoln	68,635	35,484	33,151	188,630	95,807	92,823
Livingston	136,967	90,803	46,164	374,427	245,168	129,259
Madison	30,809	80	30,729	86,257	216	86,041
Morehouse	60,706	28,434	32,272	167,134	76,772	90,362
Natchitoches	212,317	175,185	37,132	576,970	473,000	103,970
Ouachita	97,313	58,305	39,008	266,646	157,424	109,222
Pointe Coupee	1,304	0	1,304	3,651	0	3,651
Rapides	126,512	112,665	13,847	342,968	304,196	38,772
Red River	36,298	27,247	9,051	98,910	73,567	25,343
Richland	19,116	477	18,639	53,477	1,288	52,189
Sabine	282,770	259,769	23,001	765,779	701,376	64,403
St. Bernard	19	0	19	53	0	53
St. Charles	859	0	859	2,405	0	2,405
St. Helena	72,649	48,296	24,353	198,587	130,399	68,188
St. James	4,632	0	4,632	12,970	0	12,970
St. John the Baptist	23	23	0	62	62	0
St. Landry	274	274	0	740	740	0
St. Martin	709	10	699	1,984	27	1,957
St. Tammany	40,159	37,128	3,031	108,733	100,246	8,487
Tangipahoa	75,945	55,099	20,846	207,136	148,767	58,369
Tensas	16,141	17	16,124	45,193	46	45,147
Terrebonne	234	0	234	655	0	655
Union	212,954	152,982	59,972	580,973	413,051	167,922
Vernon	285,154	281,529	3,625	770,278	760,128	10,150
Washington	125,868	112,699	13,169	341,160	304,287	36,873
Webster	82,767	38,344	44,423	227,913	103,529	124,384
West Baton Rouge	8,608	0	8,608	24,102	0	24,102
West Carroll	9,547	6,029	3,518	26,128	16,278	9,850
West Feliciana	3,036	98	2,938	8,491	265	8,226
Winn	168,264	130,683	37,581	458,071	352,844	105,227
All parishes	4,204,584	3,061,850	1,142,734	11,466,649	8,266,995	3,199,654

^a Parishes with no pulpwood production are omitted.

Table 13—Roundwood pulpwood production in Mississippi, 2000

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Adams	50,764	6,859	43,905	141,453	18,519	122,934
Alcorn	25,832	11,043	14,789	71,225	29,816	41,409
Amite	119,976	73,092	46,884	328,623	197,348	131,275
Attala	90,626	46,503	44,123	249,102	125,558	123,544
Benton	14,854	5,021	9,833	41,089	13,557	27,532
Bolivar	3,830	0	3,830	10,724	0	10,724
Calhoun	36,803	28,139	8,664	100,234	75,975	24,259
Carroll	42,206	10,961	31,245	117,081	29,595	87,486
Chickasaw	72,791	69,745	3,046	196,841	188,312	8,529
Choctaw	93,756	59,392	34,364	256,577	160,358	96,219
Claiborne	55,084	7,715	47,369	153,464	20,831	132,633
Clarke	164,210	98,267	65,943	449,961	265,321	184,640
Clay	38,150	25,395	12,755	104,281	68,567	35,714
Coahoma	3,298	2,461	837	8,989	6,645	2,344
Copiah	130,186	84,858	45,328	356,035	229,117	126,918
Covington	60,214	53,609	6,605	163,238	144,744	18,494
De Soto	2,273	1,338	935	6,231	3,613	2,618
Forrest	60,544	49,549	10,995	164,568	133,782	30,786
Franklin	49,523	16,422	33,101	137,022	44,339	92,683
George	194,773	173,164	21,609	528,048	467,543	60,505
Greene	149,982	111,569	38,413	408,792	301,236	107,556
Grenada	18,882	4,815	14,067	52,389	13,001	39,388
Hancock	65,597	63,474	2,123	177,324	171,380	5,944
Harrison	49,603	45,534	4,069	134,335	122,942	11,393
Hinds	75,474	19,510	55,964	209,376	52,677	156,699
Holmes	94,099	21,852	72,247	261,292	59,000	202,292
Humphreys	10,493	17	10,476	29,379	46	29,333
Issaquena	36,619	74	36,545	102,526	200	102,326
Itawamba	47,514	43,526	3,988	128,686	117,520	11,166
Jackson	32,047	28,414	3,633	86,890	76,718	10,172
Jasper	60,366	37,586	22,780	165,266	101,482	63,784
Jefferson	67,274	13,944	53,330	186,973	37,649	149,324
Jefferson Davis	83,916	79,140	4,776	227,051	213,678	13,373
Jones	95,983	68,368	27,615	261,916	184,594	77,322
Kemper	65,059	24,988	40,071	179,667	67,468	112,199
Lafayette	11,712	8,928	2,784	31,901	24,106	7,795
Lamar	87,197	74,550	12,647	236,697	201,285	35,412
Lauderdale	101,798	37,268	64,530	281,308	100,624	180,684
Lawrence	81,552	75,554	5,998	220,790	203,996	16,794
Leake	88,604	42,202	46,402	243,871	113,945	129,926
Lee	19,493	18,440	1,053	52,736	49,788	2,948
Leflore	11,396	0	11,396	31,909	0	31,909
Lincoln	43,728	23,017	20,711	120,137	62,146	57,991
Lowndes	35,620	27,295	8,325	97,007	73,697	23,310
Madison	75,347	34,403	40,944	207,531	92,888	114,643
Marion	95,765	77,241	18,524	260,418	208,551	51,867
Marshall	27,379	1,538	25,841	76,508	4,153	72,355
Monroe	66,945	45,513	21,432	182,895	122,885	60,010
Montgomery	54,027	21,818	32,209	149,094	58,909	90,185

continued

Table 13—Roundwood pulpwood production in Mississippi, 2000 (continued)

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Neshoba	76,017	32,240	43,777	209,624	87,048	122,576
Newton	74,237	30,219	44,018	204,841	81,591	123,250
Noxubee	57,396	29,883	27,513	157,720	80,684	77,036
Oktibbeha	61,373	35,193	26,180	168,325	95,021	73,304
Panola	87,590	1,982	85,608	245,053	5,351	239,702
Pearl River	99,054	88,234	10,820	268,528	238,232	30,296
Perry	106,835	91,922	14,913	289,945	248,189	41,756
Pike	31,739	22,645	9,094	86,605	61,142	25,463
Pontotoc	22,703	21,246	1,457	61,444	57,364	4,080
Prentiss	11,407	4,532	6,875	31,486	12,236	19,250
Quitman	1,640	443	1,197	4,548	1,196	3,352
Rankin	90,404	58,680	31,724	247,263	158,436	88,827
Scott	175,373	55,909	119,464	485,453	150,954	334,499
Sharkey	13,526	34	13,492	37,870	92	37,778
Simpson	98,914	84,752	14,162	268,484	228,830	39,654
Smith	46,776	38,485	8,291	127,125	103,910	23,215
Stone	68,159	62,945	5,214	184,551	169,952	14,599
Sunflower	4,575	0	4,575	12,810	0	12,810
Tallahatchie	4,993	370	4,623	13,943	999	12,944
Tate	677	418	259	1,854	1,129	725
Tippah	27,734	19,143	8,591	75,741	51,686	24,055
Tishomingo	38,371	27,409	10,962	104,698	74,004	30,694
Tunica	20	0	20	56	0	56
Union	6,781	1,700	5,081	18,817	4,590	14,227
Walthall	29,403	26,603	2,800	79,668	71,828	7,840
Warren	89,167	2,820	86,347	249,386	7,614	241,772
Washington	7,316	159	7,157	20,469	429	20,040
Wayne	71,967	46,389	25,578	196,868	125,250	71,618
Webster	39,594	24,892	14,702	108,374	67,208	41,166
Wilkinson	98,299	32,771	65,528	271,960	88,482	183,478
Winston	63,435	30,002	33,433	174,617	81,005	93,612
Yalobusha	15,011	6,667	8,344	41,364	18,001	23,363
Yazoo	34,657	2,512	32,145	96,788	6,782	90,006
All counties	4,718,307	2,755,310	1,962,997	12,935,728	7,439,339	5,496,389

^a Counties with no pulpwood production are omitted.

Table 14—Roundwood pulpwood production in North Carolina, 2000

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Alamance	923	154	769	2,569	416	2,153
Alexander	2,463	2,080	383	6,688	5,616	1,072
Alleghany	2,962	0	2,962	8,294	0	8,294
Anson	94,593	80,443	14,150	256,816	217,196	39,620
Ashe	3,980	0	3,980	11,144	0	11,144
Avery	505	0	505	1,414	0	1,414
Beaufort	166,179	137,077	29,102	451,594	370,108	81,486
Bertie	120,263	81,698	38,565	328,567	220,585	107,982
Bladen	92,691	73,896	18,795	252,145	199,519	52,626
Brunswick	126,828	119,706	7,122	343,148	323,206	19,942
Burke	80,079	38,980	41,099	220,323	105,246	115,077
Cabarrus	5,914	5,326	588	16,026	14,380	1,646
Caldwell	5,227	0	5,227	14,636	0	14,636
Camden	3,909	713	3,196	10,874	1,925	8,949
Carteret	27,587	21,066	6,521	75,137	56,878	18,259
Caswell	13,632	90	13,542	38,161	243	37,918
Catawba	1,357	336	1,021	3,766	907	2,859
Chatham	31,825	29,975	1,850	86,113	80,933	5,180
Cherokee	11,200	4,001	7,199	30,960	10,803	20,157
Chowan	10,465	4,902	5,563	28,811	13,235	15,576
Clay	10	10	0	27	27	0
Cleveland	7,405	6,379	1,026	20,096	17,223	2,873
Columbus	147,003	103,606	43,397	401,248	279,736	121,512
Craven	97,100	76,743	20,357	264,206	207,206	57,000
Cumberland	33,588	28,636	4,952	91,183	77,317	13,866
Currituck	6,803	1,429	5,374	18,905	3,858	15,047
Dare	1,098	741	357	3,001	2,001	1,000
Davidson	13,344	7,375	5,969	36,626	19,913	16,713
Davie	1,810	336	1,474	5,034	907	4,127
Duplin	20,735	18,563	2,172	56,202	50,120	6,082
Durham	9,752	2,148	7,604	27,091	5,800	21,291
Edgecombe	35,960	18,542	17,418	98,833	50,063	48,770
Forsyth	1,188	0	1,188	3,326	0	3,326
Franklin	51,522	34,720	16,802	140,790	93,744	47,046
Gaston	10,144	6,029	4,115	27,800	16,278	11,522
Gates	36,489	16,036	20,453	100,565	43,297	57,268
Graham	32,615	7,858	24,757	90,537	21,217	69,320
Granville	9,533	2,589	6,944	26,433	6,990	19,443
Greene	57,453	16,979	40,474	159,170	45,843	113,327
Guilford	1,312	0	1,312	3,674	0	3,674
Halifax	60,252	36,989	23,263	165,006	99,870	65,136
Harnett	18,735	15,637	3,098	50,894	42,220	8,674
Haywood	98,882	25,769	73,113	274,292	69,576	204,716
Hertford	58,985	31,465	27,520	162,012	84,956	77,056
Hoke	27,207	24,731	2,476	73,707	66,774	6,933
Hyde	37,792	18,757	19,035	103,942	50,644	53,298
Iredell	20,166	16,673	3,493	54,797	45,017	9,780
Johnston	14,552	6,059	8,493	40,139	16,359	23,780
Jones	54,697	49,563	5,134	148,195	133,820	14,375

continued

Table 14—Roundwood pulpwood production in North Carolina, 2000 (continued)

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Lee	28,498	26,995	1,503	77,095	72,887	4,208
Lenoir	39,803	30,877	8,926	108,361	83,368	24,993
Lincoln	10,354	5,036	5,318	28,487	13,597	14,890
Madison	11	0	11	31	0	31
Martin	72,930	45,086	27,844	199,695	121,732	77,963
McDowell	641	0	641	1,795	0	1,795
Mecklenburg	15,949	2,451	13,498	44,412	6,618	37,794
Montgomery	74,110	22,640	51,470	205,244	61,128	144,116
Moore	67,527	49,228	18,299	184,153	132,916	51,237
Nash	29,025	13,987	15,038	79,871	37,765	42,106
New Hanover	6,807	6,545	262	18,406	17,672	734
Northampton	75,907	41,488	34,419	208,391	112,018	96,373
Onslow	61,973	57,571	4,402	167,768	155,442	12,326
Orange	1,569	757	812	4,318	2,044	2,274
Pamlico	37,630	27,133	10,497	102,651	73,259	29,392
Pasquotank	21,367	4,943	16,424	59,333	13,346	45,987
Pender	112,842	81,054	31,788	307,852	218,846	89,006
Perquimans	24,255	11,086	13,169	66,805	29,932	36,873
Person	13,222	7,701	5,521	36,252	20,793	15,459
Pitt	63,249	41,167	22,082	172,981	111,151	61,830
Polk	839	839	0	2,265	2,265	0
Randolph	11,117	7,487	3,630	30,379	20,215	10,164
Richmond	34,418	32,308	2,110	93,140	87,232	5,908
Robeson	50,081	40,087	9,994	136,218	108,235	27,983
Rockingham	27,203	10,548	16,655	75,114	28,480	46,634
Rowan	21,904	5,559	16,345	60,775	15,009	45,766
Rutherford	79,481	10,723	68,758	221,474	28,952	192,522
Sampson	45,371	39,489	5,882	123,090	106,620	16,470
Scotland	35,099	14,350	20,749	96,842	38,745	58,097
Stanly	9,766	8,214	1,552	26,524	22,178	4,346
Stokes	5,849	0	5,849	16,377	0	16,377
Surry	4,965	0	4,965	13,902	0	13,902
Transylvania	71	21	50	197	57	140
Tyrrell	37,355	20,742	16,613	102,519	56,003	46,516
Union	52,876	8,388	44,488	147,214	22,648	124,566
Vance	6,699	4,062	2,637	18,351	10,967	7,384
Wake	100,414	14,223	86,191	279,737	38,402	241,335
Warren	136,369	70,341	66,028	374,799	189,921	184,878
Washington	81,593	63,049	18,544	222,155	170,232	51,923
Watauga	2,107	0	2,107	5,900	0	5,900
Wayne	14,564	12,395	2,169	39,540	33,467	6,073
Wilkes	13,280	1,556	11,724	37,028	4,201	32,827
Wilson	7,335	3,253	4,082	20,213	8,783	11,430
Yadkin	4,394	0	4,394	12,303	0	12,303
Yancey	5	0	5	14	0	14
All counties	3,309,538	2,018,184	1,291,354	9,064,888	5,449,098	3,615,790

^a Counties with no pulpwood production are omitted.

Table 15—Roundwood pulpwood production in Oklahoma, 2000

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Bryan	1,347	0	1,347	3,772	0	3,772
Cherokee	129	129	0	348	348	0
Choctaw	931	149	782	2,592	402	2,190
Haskell	1,096	1,096	0	2,959	2,959	0
Latimer	5,163	5,163	0	13,940	13,940	0
Le Flore	24,891	5,320	19,571	69,163	14,364	54,799
McCurtain	353,683	253,084	100,599	965,004	683,327	281,677
Pushmataha	76,891	9,171	67,720	214,378	24,762	189,616
All counties	464,131	274,112	190,019	1,272,156	740,102	532,054

^a Counties with no pulpwood production are omitted.

Table 16—Roundwood pulpwood production in South Carolina, 2000

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Abbeville	23,438	7,141	16,297	64,913	19,281	45,632
Aiken	112,403	81,672	30,731	306,561	220,514	86,047
Allendale	31,044	23,206	7,838	84,602	62,656	21,946
Anderson	21,526	6,894	14,632	59,584	18,614	40,970
Bamberg	55,428	41,230	14,198	151,075	111,321	39,754
Barnwell	35,378	28,747	6,631	96,184	77,617	18,567
Beaufort	29,219	29,022	197	78,911	78,359	552
Berkeley	110,935	93,610	17,325	301,257	252,747	48,510
Calhoun	38,392	32,632	5,760	104,234	88,106	16,128
Charleston	60,898	50,715	10,183	165,443	136,931	28,512
Cherokee	53,270	52,039	1,231	143,952	140,505	3,447
Chester	100,649	74,886	25,763	274,328	202,192	72,136
Chesterfield	146,022	120,539	25,483	396,807	325,455	71,352
Clarendon	38,488	29,478	9,010	104,819	79,591	25,228
Colleton	134,152	99,706	34,446	365,655	269,206	96,449
Darlington	45,153	32,160	12,993	123,212	86,832	36,380
Dillon	58,311	27,210	31,101	160,550	73,467	87,083
Dorchester	94,156	72,566	21,590	256,380	195,928	60,452
Edgefield	33,848	19,410	14,438	92,833	52,407	40,426
Fairfield	127,868	101,029	26,839	347,927	272,778	75,149
Florence	99,794	66,117	33,677	272,812	178,516	94,296
Georgetown	188,796	164,680	24,116	512,161	444,636	67,525
Greenville	7,793	4,600	3,193	21,360	12,420	8,940
Greenwood	94,596	50,599	43,997	259,809	136,617	123,192
Hampton	163,104	99,977	63,127	446,694	269,938	176,756
Horry	145,538	93,401	52,137	398,167	252,183	145,984
Jasper	108,025	82,777	25,248	294,192	223,498	70,694
Kershaw	136,188	97,951	38,237	371,532	264,468	107,064
Lancaster	88,519	78,587	9,932	239,995	212,185	27,810
Laurens	87,728	61,001	26,727	239,539	164,703	74,836
Lee	21,736	14,471	7,265	59,414	39,072	20,342
Lexington	22,164	16,656	5,508	60,393	44,971	15,422
Marion	72,519	30,453	42,066	200,008	82,223	117,785
Marlboro	91,003	61,559	29,444	248,652	166,209	82,443
McCormick	16,380	11,567	4,813	44,707	31,231	13,476
Newberry	252,792	218,780	34,012	685,940	590,706	95,234
Oconee	12,575	1,468	11,107	35,064	3,964	31,100
Orangeburg	153,189	98,386	54,803	419,090	265,642	153,448
Pickens	13,018	4,973	8,045	35,953	13,427	22,526
Richland	151,680	89,605	62,075	415,744	241,934	173,810
Saluda	44,274	24,124	20,150	121,555	65,135	56,420
Spartanburg	139,244	83,892	55,352	381,494	226,508	154,986
Sumter	39,292	18,759	20,533	108,141	50,649	57,492
Union	138,316	100,285	38,031	377,257	270,770	106,487
Williamsburg	130,398	101,246	29,152	354,990	273,364	81,626
York	80,247	74,151	6,096	217,277	200,208	17,069
All counties	3,849,486	2,773,957	1,075,529	10,501,167	7,489,684	3,011,483

^a Counties with no pulpwood production are omitted.

Table 17—Roundwood pulpwood production in Tennessee, 2000

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Anderson	3,717	162	3,555	10,391	437	9,954
Bedford	728	399	329	1,998	1,077	921
Benton	32,777	4,854	27,923	91,290	13,106	78,184
Bledsoe	29,157	17,101	12,056	79,930	46,173	33,757
Blount	5,890	4,336	1,554	16,058	11,707	4,351
Bradley	35,787	31,947	3,840	97,009	86,257	10,752
Campbell	67,695	0	67,695	189,546	0	189,546
Cannon	908	0	908	2,542	0	2,542
Carroll	16,503	2,314	14,189	45,977	6,248	39,729
Carter	59	0	59	165	0	165
Cheatham	61	0	61	171	0	171
Chester	19,987	12,212	7,775	54,742	32,972	21,770
Claiborne	171	0	171	479	0	479
Coffee	4,893	2,196	2,697	13,481	5,929	7,552
Cumberland	76,251	53,931	22,320	208,110	145,614	62,496
Decatur	29,848	3,592	26,256	83,215	9,698	73,517
De Kalb	762	0	762	2,134	0	2,134
Dickson	654	30	624	1,828	81	1,747
Dyer	18	18	0	49	49	0
Fayette	1,266	207	1,059	3,524	559	2,965
Fentress	26,408	21,394	5,014	71,803	57,764	14,039
Franklin	20,212	3,732	16,480	56,220	10,076	46,144
Giles	9,342	1,143	8,199	26,043	3,086	22,957
Grundy	40,698	6,028	34,670	113,352	16,276	97,076
Hamilton	29,832	20,152	9,680	81,514	54,410	27,104
Hancock	317	317	0	856	856	0
Hardeman	27,542	14,768	12,774	75,641	39,874	35,767
Hardin	119,994	69,239	50,755	329,059	186,945	142,114
Haywood	394	0	394	1,103	0	1,103
Henderson	20,316	4,630	15,686	56,422	12,501	43,921
Henry	41,391	7,707	33,684	115,124	20,809	94,315
Hickman	50,363	845	49,518	140,932	2,282	138,650
Humphreys	4,893	0	4,893	13,700	0	13,700
Jackson	296	0	296	829	0	829
Jefferson	22	0	22	62	0	62
Johnson	791	0	791	2,215	0	2,215
Knox	4,629	4,505	124	12,511	12,164	347
Lauderdale	431	0	431	1,207	0	1,207
Lawrence	33,735	5,024	28,711	93,956	13,565	80,391
Lewis	27,783	558	27,225	77,737	1,507	76,230
Lincoln	6,800	0	6,800	19,040	0	19,040
Loudon	5,236	4,754	482	14,186	12,836	1,350
Macon	18	0	18	50	0	50
Madison	6,287	954	5,333	17,508	2,576	14,932
Marion	40,423	5,267	35,156	112,658	14,221	98,437
Marshall	1,364	405	959	3,779	1,094	2,685
Maury	167	0	167	468	0	468
McMinn	80,917	69,491	11,426	219,619	187,626	31,993
McNairy	59,158	19,925	39,233	163,650	53,798	109,852

continued

Table 17—Roundwood pulpwood production in Tennessee, 2000 (continued)

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Meigs	72,477	64,782	7,695	196,457	174,911	21,546
Monroe	38,322	28,977	9,345	104,404	78,238	26,166
Montgomery	48	0	48	134	0	134
Moore	71	71	0	192	192	0
Morgan	117,548	101,465	16,083	318,988	273,956	45,032
Overton	15,350	1,140	14,210	42,866	3,078	39,788
Perry	5,249	178	5,071	14,680	481	14,199
Pickett	925	0	925	2,590	0	2,590
Polk	29,773	23,931	5,842	80,972	64,614	16,358
Putnam	8,694	0	8,694	24,343	0	24,343
Rhea	109,251	100,553	8,698	295,847	271,493	24,354
Roane	21,175	11,663	9,512	58,124	31,490	26,634
Scott	15,786	14,461	1,325	42,755	39,045	3,710
Sequatchie	45,522	19,643	25,879	125,497	53,036	72,461
Shelby	2,332	679	1,653	6,461	1,833	4,628
Stewart	41,242	5,015	36,227	114,977	13,541	101,436
Sullivan	73	0	73	204	0	204
Tipton	54	43	11	147	116	31
Unicoi	73	0	73	204	0	204
Van Buren	48,160	13,767	34,393	133,471	37,171	96,300
Warren	24,522	10	24,512	68,661	27	68,634
Wayne	116,136	43,786	72,350	320,802	118,222	202,580
Weakley	50,066	600	49,466	140,125	1,620	138,505
White	26,762	12,091	14,671	73,725	32,646	41,079
All counties	1,776,502	836,992	939,510	4,890,509	2,259,883	2,630,626

^a Counties with no pulpwood production are omitted.

Table 18—Roundwood pulpwood production in Texas, 2000

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Anderson	27,697	15,472	12,225	76,004	41,774	34,230
Angelina	133,534	131,899	1,635	360,705	356,127	4,578
Bowie	45,893	11,713	34,180	127,329	31,625	95,704
Camp	4,634	811	3,823	12,894	2,190	10,704
Cass	263,071	55,846	207,225	731,014	150,784	580,230
Cherokee	23,895	17,098	6,797	65,197	46,165	19,032
Franklin	1,962	82	1,880	5,485	221	5,264
Gregg	5,187	509	4,678	14,472	1,374	13,098
Hardin	74,334	68,503	5,831	201,285	184,958	16,327
Harris	1,634	1,625	9	4,413	4,388	25
Harrison	57,946	15,276	42,670	160,721	41,245	119,476
Henderson	778	50	728	2,173	135	2,038
Hopkins	1,087	0	1,087	3,044	0	3,044
Houston	17,154	17,071	83	46,324	46,092	232
Jasper	31,342	27,248	4,094	85,033	73,570	11,463
Jefferson	1,445	1,445	0	3,902	3,902	0
Leon	448	448	0	1,210	1,210	0
Liberty	37,583	36,838	745	101,549	99,463	2,086
Marion	64,785	32,286	32,499	178,169	87,172	90,997
Montgomery	24,160	24,160	0	65,232	65,232	0
Morris	6,818	623	6,195	19,028	1,682	17,346
Nacogdoches	32,665	25,160	7,505	88,946	67,932	21,014
Newton	66,027	65,983	44	178,277	178,154	123
Orange	24,606	24,536	70	66,443	66,247	196
Panola	99,518	61,081	38,437	272,543	164,919	107,624
Polk	32,787	32,652	135	88,538	88,160	378
Rains	2,226	0	2,226	6,233	0	6,233
Red River	69,784	2,926	66,858	195,102	7,900	187,202
Rusk	16,494	7,893	8,601	45,394	21,311	24,083
Sabine	28,904	28,547	357	78,077	77,077	1,000
San Augustine	32,303	28,758	3,545	87,573	77,647	9,926
San Jacinto	4,409	4,409	0	11,904	11,904	0
Shelby	65,687	50,299	15,388	178,893	135,807	43,086
Smith	46,874	16,692	30,182	129,578	45,068	84,510
Titus	11,983	595	11,388	33,493	1,607	31,886
Trinity	17,855	17,855	0	48,209	48,209	0
Tyler	49,127	49,117	10	132,644	132,616	28
Upshur	45,750	7,124	38,626	127,388	19,235	108,153
Van Zandt	43	43	0	116	116	0
Walker	51,651	51,651	0	139,458	139,458	0
Wood	7,497	471	7,026	20,945	1,272	19,673
All counties	1,531,577	934,795	596,782	4,194,937	2,523,948	1,670,989

^a Counties with no pulpwood production are omitted.

Table 19—Roundwood pulpwood production in Virginia, 2000

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Accomack	23,844	17,214	6,630	65,042	46,478	18,564
Albemarle	21,405	12,208	9,197	58,714	32,962	25,752
Alleghany	42,233	8,977	33,256	117,355	24,238	93,117
Amelia	64,357	29,598	34,759	177,240	79,915	97,325
Amherst	31,080	13,505	17,575	85,674	36,464	49,210
Appomattox	36,270	17,936	18,334	99,762	48,427	51,335
Augusta	17,582	4,889	12,693	48,740	13,200	35,540
Bath	12,269	2,359	9,910	34,117	6,369	27,748
Bedford	52,827	23,523	29,304	145,563	63,512	82,051
Bland	534	0	534	1,495	0	1,495
Botetourt	23,079	5,123	17,956	64,109	13,832	50,277
Brunswick	89,916	51,897	38,019	246,575	140,122	106,453
Buchanan	116	66	50	318	178	140
Buckingham	90,432	44,474	45,958	248,762	120,080	128,682
Campbell	50,318	28,693	21,625	138,021	77,471	60,550
Caroline	50,526	33,069	17,457	138,166	89,286	48,880
Carroll	2,018	33	1,985	5,647	89	5,558
Charles City	30,174	20,091	10,083	82,478	54,246	28,232
Charlotte	70,759	28,295	42,464	195,296	76,397	118,899
Chesapeake	21,544	2,735	18,809	60,050	7,385	52,665
Chesterfield	190,450	187,149	3,301	514,545	505,302	9,243
Clarke	305	201	104	834	543	291
Craig	8,088	2,988	5,100	22,348	8,068	14,280
Culpeper	16,751	9,295	7,456	45,974	25,097	20,877
Cumberland	29,539	12,475	17,064	81,462	33,683	47,779
Dickenson	59,533	0	59,533	166,692	0	166,692
Dinwiddie	54,589	36,899	17,690	149,159	99,627	49,532
Essex	51,284	36,509	14,775	139,944	98,574	41,370
Fairfax	7,589	4,614	2,975	20,788	12,458	8,330
Fauquier	9,066	5,304	3,762	24,855	14,321	10,534
Floyd	2,628	155	2,473	7,343	419	6,924
Fluvanna	15,733	7,321	8,412	43,321	19,767	23,554
Franklin	40,641	17,493	23,148	112,045	47,231	64,814
Frederick	2,370	748	1,622	6,562	2,020	4,542
Giles	2,090	162	1,928	5,835	437	5,398
Gloucester	24,457	15,059	9,398	66,973	40,659	26,314
Goochland	22,635	9,987	12,648	62,379	26,965	35,414
Grayson	3,409	0	3,409	9,545	0	9,545
Greene	194	175	19	526	473	53
Greensville	25,535	11,687	13,848	70,329	31,555	38,774
Halifax	43,661	12,684	30,977	120,983	34,247	86,736
Hampton	2,654	1,207	1,447	7,311	3,259	4,052
Hanover	21,253	13,651	7,602	58,144	36,858	21,286
Henrico	15,051	4,967	10,084	41,646	13,411	28,235
Henry	47,787	22,211	25,576	131,583	59,970	71,613
Highland	9,753	713	9,040	27,237	1,925	25,312
Isle of Wight	22,875	7,415	15,460	63,309	20,021	43,288
James City	9,233	3,335	5,898	25,519	9,005	16,514
King and Queen	83,938	60,946	22,992	228,932	164,554	64,378

continued

Table 19—Roundwood pulpwood production in Virginia, 2000 (continued)

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
King George	3,164	1,745	1,419	8,685	4,712	3,973
King William	40,605	19,924	20,681	111,702	53,795	57,907
Lancaster	10,923	4,974	5,949	30,087	13,430	16,657
Lee	1,020	31	989	2,853	84	2,769
Loudoun	11,737	213	11,524	32,842	575	32,267
Louisa	52,278	29,791	22,487	143,400	80,436	62,964
Lunenburg	51,726	20,447	31,279	142,788	55,207	87,581
Madison	2,414	1,376	1,038	6,621	3,715	2,906
Mathews	4,623	2,227	2,396	12,722	6,013	6,709
Mecklenburg	33,427	8,265	25,162	92,770	22,316	70,454
Middlesex	8,850	4,827	4,023	24,297	13,033	11,264
Montgomery	3,854	540	3,314	10,737	1,458	9,279
Nelson	28,631	14,677	13,954	78,699	39,628	39,071
New Kent	20,559	14,710	5,849	56,094	39,717	16,377
Newport News	1,226	796	430	3,353	2,149	1,204
Northampton	3,290	2,022	1,268	9,009	5,459	3,550
Northumberland	11,954	7,820	4,134	32,689	21,114	11,575
Nottoway	28,699	15,304	13,395	78,827	41,321	37,506
Orange	14,957	9,148	5,809	40,965	24,700	16,265
Page	708	93	615	1,973	251	1,722
Patrick	9,052	3,078	5,974	25,038	8,311	16,727
Pittsylvania	84,821	35,869	48,952	233,912	96,846	137,066
Powhatan	19,721	10,766	8,955	54,142	29,068	25,074
Prince Edward	28,439	6,957	21,482	78,934	18,784	60,150
Prince George	30,392	13,598	16,794	83,738	36,715	47,023
Prince William	5,276	3,216	2,060	14,451	8,683	5,768
Pulaski	382	163	219	1,053	440	613
Rappahannock	64	13	51	178	35	143
Richmond	27,067	17,973	9,094	73,990	48,527	25,463
Roanoke	1,895	47	1,848	5,301	127	5,174
Rockbridge	16,337	3,834	12,503	45,360	10,352	35,008
Rockingham	4,160	599	3,561	11,588	1,617	9,971
Russell	14	0	14	39	0	39
Scott	22	0	22	62	0	62
Shenandoah	1,666	282	1,384	4,636	761	3,875
Smyth	2,876	0	2,876	8,053	0	8,053
Southampton	56,124	34,422	21,702	153,705	92,939	60,766
Spotsylvania	41,663	22,412	19,251	114,415	60,512	53,903
Stafford	11,468	5,451	6,017	31,566	14,718	16,848
Suffolk	35,550	20,623	14,927	97,478	55,682	41,796
Surry	23,461	12,896	10,565	64,401	34,819	29,582
Sussex	70,595	52,706	17,889	192,395	142,306	50,089
Tazewell	1,770	9	1,761	4,955	24	4,931
Virginia Beach	10,993	4,617	6,376	30,319	12,466	17,853
Warren	3,212	846	2,366	8,909	2,284	6,625
Washington	1,657	0	1,657	4,640	0	4,640
Westmoreland	11,270	6,201	5,069	30,936	16,743	14,193
Wise	87	0	87	244	0	244
Wythe	964	0	964	2,699	0	2,699
York	1,411	971	440	3,854	2,622	1,232
All counties	2,391,428	1,246,514	1,144,914	6,571,351	3,365,594	3,205,757

^a Counties with no pulpwood production are omitted.

Table 20—Softwood roundwood pulpwood movement between States, 2000

Southeast												
Imported from:	Exported to:											
	Florida	Georgia	North Carolina	South Carolina	Virginia	Alabama	Louisiana	Maryland	Mississippi	Pennsylvania	Tennessee	Other
Florida	2,498,874	521,378	0	0	0	71,395	0	0	0	0	0	0
Georgia	492,026	4,506,368	9,091	1,183	0	393,304	0	0	0	0	95,201	0
North Carolina	0	3,627	1,349,016	617,692	43,848	0	0	0	0	0	4,001	0
South Carolina	0	316,298	238,687	2,218,972	0	0	0	0	0	0	0	0
Virginia	70	0	100,338	4,815	1,024,040	0	0	72,429	0	44,791	31	0
Alabama	177,837	402,112	0	0	0	0	0	0	0	0	0	0
Delaware	0	0	0	0	482	0	0	0	0	0	0	0
Louisiana	0	35	0	280	0	0	0	0	0	0	0	0
Maryland	0	0	0	0	19,286	0	0	0	0	0	0	0
Mississippi	0	19	6	0	0	0	0	0	0	0	0	0
Tennessee	0	11,312	0	0	0	0	0	0	0	0	0	0
West Virginia	0	0	0	0	4,038	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0
Roundwood receipts	3,168,807	5,761,149	1,697,138	2,842,942	1,091,694							
Total Southeast receipts = 14,561,730												
South Central												
Imported from:	Exported to:											
	Alabama	Arkansas	Kentucky	Louisiana	Mississippi	Oklahoma	Tennessee	Texas	Florida	Georgia	North Carolina	South Carolina
Alabama	3,954,087	0	0	0	298,563	0	167,251	0	177,837	402,112	0	0
Arkansas	75	1,237,532	0	373,580	17	192,608	0	98,261	0	0	0	0
Kentucky	0	0	4,271	0	0	0	4,079	0	0	0	0	0
Louisiana	0	13,807	0	2,861,349	14,318	0	0	172,061	0	35	0	28
Mississippi	135,152	2,461	0	731,903	1,687,416	0	198,353	0	0	19	6	0
Oklahoma	0	29,803	0	0	0	240,760	0	3,549	0	0	0	0
Tennessee	40,853	0	0	0	0	0	784,510	0	0	11,312	0	0
Texas	0	18,908	0	223,379	0	0	0	669,017	0	0	0	0
Florida	71,395	0	0	0	0	0	0	0	0	0	0	0
Georgia	393,304	0	0	0	0	0	95,201	0	0	0	0	0
North Carolina	0	0	0	0	0	0	4,001	0	0	0	0	0
South Carolina	0	0	0	0	0	0	0	0	0	0	0	0
Other ^b	0	0	0	0	0	0	31	0	0	0	0	0
Roundwood receipts	4,594,866	1,302,511	4,271	4,190,211	2,000,314	433,368	1,253,426	942,888				
Total South Central receipts = 14,721,855												

NA = not applicable.

^a Other destinations include Ohio and Maine.

^b Other sources include Virginia.

Table 21—Hardwood roundwood pulpwood movement between States, 2000

Southeast												
Imported from:	Exported to:											
	Florida	Georgia	North Carolina	South Carolina	Alabama	Louisiana	Maryland	Mississippi	Pennsylvania	Tennessee	Other ^d	
Florida	357,614	141,218	0	255	0	0	0	28	0	0	0	
Georgia	162,896	1,543,757	14,313	6,256	171,392	0	0	11	0	61,077	36,795	
North Carolina	0	465	694,999	332,536	203,328	0	0	0	10	3,985	56,031	
South Carolina	0	194,557	58,247	822,725	0	0	0	0	0	0	0	
Virginia	0	0	36,499	5,455	1,014,568	0	23,008	0	5,062	15,808	44,514	
Alabama	186,064	65,852	1,141	0	0	0	0	0	0	0	0	
Delaware	0	0	0	0	1,428	0	0	0	0	0	0	
Louisiana	0	0	0	124	0	0	0	0	0	0	0	
Maryland	0	0	0	0	0	0	0	0	0	0	0	
Mississippi	1,713	0	1,667	0	0	0	0	0	0	0	0	
Tennessee	0	937	69,349	80	879	0	0	0	0	0	0	
West Virginia	0	0	25	0	156,191	0	0	0	0	0	0	
Other ^b	0	0	536	3,024	550	0	0	0	0	0	0	
Roundwood receipts	708,287	1,946,786	876,776	1,170,455	1,412,399							
Total Southeast receipts = 6,114,703												
South Central												
Imported from:	Exported to:											
	Alabama	Arkansas	Kentucky	Louisiana	Mississippi	Oklahoma	Tennessee	Texas	Florida	Georgia	North Carolina	South Carolina
Alabama	2,573,714	0	0	0	9,334	0	34,555	0	186,064	65,852	1,141	0
Arkansas	103	790,061	0	71,160	7,689	0	0	157,345	0	0	0	0
Kentucky	8,033	0	162,708	0	0	0	7,420	0	0	0	536	2,814
Louisiana	121	110,771	0	917,450	53,086	0	0	61,182	0	0	0	124
Mississippi	773,816	86,607	0	269,112	809,000	0	21,082	0	1,713	0	1,667	0
Oklahoma	0	123,297	0	0	0	64,992	0	1,730	0	0	0	0
Tennessee	336,216	0	213,514	0	424	0	318,111	0	0	937	69,349	80
Texas	0	218,434	0	99,407	0	0	0	278,941	0	0	0	0
Florida	20,208	0	0	0	28	0	0	0	0	0	0	0
Georgia	171,392	0	36,795	0	11	0	61,077	0	0	0	0	0
North Carolina	0	0	56,031	0	0	0	3,985	0	0	0	0	0
South Carolina	0	0	0	0	0	0	0	0	0	0	0	0
Other ^d	0	0	44,514	0	0	0	15,808	0	0	0	0	0
Roundwood receipts	3,883,603	1,329,170	513,562	1,357,129	879,572	64,992	462,038	499,198				
Total South Central receipts = 8,989,264												

NA = not applicable.

^a Other destinations include Kentucky.

^b Other sources include Kentucky, Indiana, and Ohio.

^c Other destinations include Ohio and Virginia.

^d Other sources include Virginia.

Table 22—Southern pulpmills, by process and capacity, 2000

			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	3,250	2,650	0	600	0
Jackson	[4]	Boise Cascade Corporation	800	800	0	0	0
Courtland	[5]	Champion International Corporation	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
Mobile	[8]	International Paper Company	1,500	1,200	300	0	0
Naheola	[9]	Fort James Corporation	1,100	1,100	0	0	0
Brewton	[10]	Smurfit-Stone Container Corporation	1,100	1,100	0	0	0
Coosa Pines	[11]	U.S. Alliance Coosa Pines Corporation	1,660	1,100	560	0	0
Pine Hill	[12]	Weyerhaeuser Company	1,800	1,250	0	550	0
Cottonton	[13]	Mead Coated Board	2,200	2,200	0	0	0
Stevenson	[14]	Mead Containerboard	750	0	0	750	0
Prattville	[15]	International Paper Company	2,525	2,525	0	0	0
Total			21,465	18,705	860	1,900	0
Arkansas							
Pine Bluff	[16]	Gaylord Container Corporation	500	500	0	0	0
Ashdown	[17]	Georgia-Pacific Corporation	2,450	2,450	0	0	0
Crossett	[18]	Georgia-Pacific Corporation	1,600	1,600	0	0	0
North Little Rock	[19]	Georgia-Pacific Corporation	170	0	170	0	0
Morrilton	[20]	Green Bay Packaging, Incorporated	800	800	0	0	0
Camden	[21]	International Paper Company	723	723	0	0	0
Pine Bluff	[22]	International Paper Company	1,700	1,300	400	0	0
McGehee	[23]	Potlatch Corporation	550	550	0	0	0
Total			8,493	7,923	570	0	0
Florida							
Perry	[24]	Buckeye Florida, LP	1,200	1,200	0	0	0
Cantonment	[25]	Champion International Corporation	1,506	1,506	0	0	0
Palatka	[26]	Georgia-Pacific Corporation	1,510	1,510	0	0	0
Fernandina Beach	[27]	Rayonier, Incorporated	470	0	0	0	470
Fernandina Beach	[28]	Smurfit-Stone Container Corporation	2,200	2,200	0	0	0
Panama City	[29]	Smurfit-Stone Container Corporation	1,800	1,800	0	0	0
Total			8,686	8,216	0	0	470
Georgia							
Augusta	[30]	Augusta Newsprint Company	1,100	0	1,100	0	0
Augusta	[31]	International Paper Company	1,700	1,700	0	0	0
Brunswick	[32]	Georgia-Pacific Corporation	2,280	2,280	0	0	0
Cedar Springs	[33]	Georgia-Pacific Corporation	2,825	2,300	0	525	0
St. Marys	[34]	Gilman Paper Company	1,200	1,200	0	0	0
Rome	[35]	Inland Paperboard and Packaging, Inc.	2,350	2,350	0	0	0
Riceboro	[36]	Interstate Paper LLC	700	700	0	0	0
Jesup	[37]	Rayonier, Incorporated	1,700	1,700	0	0	0
Valdosta	[38]	Packaging Corporation of America	1,130	1,130	0	0	0
Macon	[39]	Riverwood International Corporation	1,000	1,000	0	0	0
Savannah	[40]	International Paper Company	3,000	3,000	0	0	0
Oglethorpe	[41]	Weyerhaeuser Company	935	935	0	0	0
Port Wentworth	[42]	Willamette Industries, Incorporated	745	745	0	0	0
Total			20,665	19,040	1,100	525	0

continued

Table 22—Southern pulpmills, by process and capacity, 2000 (continued)

			Pulping capacity, 24 hours ^b				
Location	Map code ^a	Company	All processes	Sulfate	Groundwood and other mechanical	Semi- chemical	Soda and sulfite
Tons							
Kentucky							
Wickliffe	[43]	Westvaco Corporation	850	850	0	0	0
Hawesville	[44]	Willamette Industries, Incorporated	1,550	1,400	0	150	0
Total			2,400	2,250	0	150	0
Louisiana							
DeRidder	[45]	Boise Cascade Corporation	1,975	1,300	675	0	0
Bogalusa	[46]	Gaylord Container Corporation	2,150	2,150	0	0	0
Port Hudson	[47]	Georgia-Pacific Corporation	1,920	1,920	0	0	0
Bastrop	[48]	International Paper Company	1,300	1,300	0	0	0
Pineville	[49]	International Paper Company	1,100	1,100	0	0	0
Mansfield	[50]	International Paper Company	2,240	1,700	0	540	0
St. Francisville	[51]	Crown Vantage, Incorporated	670	670	0	0	0
St. Francisville	[52]	Crown Vantage, Incorporated	275	0	275	0	0
West Monroe	[53]	Riverwood International Corporation	1,980	1,730	0	250	0
Hodge	[54]	Smurfit-Stone Container Corporation	1,750	1,500	0	250	0
Campti	[55]	Willamette Industries, Incorporated	1,050	1,050	0	0	0
Total			16,410	14,420	950	1,040	0
Mississippi							
Monticello	[56]	Georgia-Pacific Corporation	2,500	2,500	0	0	0
New Augusta	[57]	Georgia-Pacific Corporation	1,550	1,550	0	0	0
Moss Point	[58]	International Paper Company	450	450	0	0	0
Natchez	[59]	International Paper Company	1,225	1,225	0	0	0
Vicksburg	[60]	International Paper Company	1,200	1,200	0	0	0
Grenada	[61]	Bowater, Incorporated	675	0	675	0	0
Columbus	[62]	Weyerhaeuser Company	1,405	1,320	85	0	0
Total			9,005	8,245	760	0	0
North Carolina							
Roaring River	[63]	Louisiana Pacific Corporation	475	0	475	0	0
Canton	[64]	Blue Ridge Paper Products, Inc.	1,420	1,420	0	0	0
Roanoke Rapids	[65]	International Paper Company	1,430	1,430	0	0	0
Riegelwood	[66]	International Paper Company	2,260	2,260	0	0	0
Conway	[67]	Georgia-Pacific Corporation	200	0	200	0	0
New Bern	[68]	Weyerhaeuser Company	1,045	1,045	0	0	0
Plymouth	[69]	Weyerhaeuser Company	1,450	1,200	0	250	0
Total			8,280	7,355	675	250	0
Oklahoma							
Pryor	[70]	Georgia-Pacific Corporation	50	0	50	0	0
Valliant	[71]	Weyerhaeuser Company	2,150	1,650	0	500	0
Total			2,200	1,650	50	500	0
South Carolina							
Catawba	[72]	Bowater, Incorporated	2,350	1,350	1,000	0	0
Georgetown	[73]	International Paper Company	1,650	1,650	0	0	0
Hartsville	[74]	Sonoco Products Company	300	0	0	300	0
Florence	[75]	Smurfit-Stone Container Corporation	1,530	1,530	0	0	0
Eastover	[76]	International Paper Company	2,083	2,083	0	0	0
Charleston	[77]	Westvaco Corporation	2,300	2,300	0	0	0
Bennettsville	[78]	Willamette Industries, Incorporated	1,000	1,000	0	0	0
Total			11,213	9,913	1,000	300	0

continued

Table 22—Southern pulpmills, by process and capacity, 2000 (continued)

Location	Map code ^a	Company	Pulping capacity, 24 hours ^b				
			All	Sulfate	Groundwood	Semi-	Soda
			processes		and other mechanical		
Tons							
Tennessee							
Calhoun	[79]	Bowater, Incorporated	1,450	1,000	450	0	0
New Johnsonville	[80]	Inland Paperboard and Packaging, Inc.	400	0	0	400	0
Kingsport	[81]	Willamette Industries Incorporated	300	0	0	0	300
Counce	[82]	Packaging Corporation of America	1,950	1,950	0	0	0
Knoxville	[83]	Tamko Roofing Products, Incorporated	125	0	125	0	0
Total			4,225	2,950	575	400	300
Texas							
Sheldon	[84]	Abitibi-Consolidated	1,050	500	550	0	0
Lufkin	[85]	Abitibi-Consolidated	1,345	545	800	0	0
Texarkana	[86]	International Paper Company	1,550	1,550	0	0	0
Orange	[87]	Inland Paperboard and Packaging, Inc.	1,150	1,150	0	0	0
Diboll	[88]	Temple-Inland Forest Products Corporation	500	0	500	0	0
Silsbee	[89]	Westvaco Corporation	1,850	1,850	0	0	0
Total			7,445	5,595	1,850	0	0
Virginia							
Ashland	[90]	Bear Island Paper Company, LLC	880	0	880	0	0
West Point	[91]	Smurfit-Stone Container Corporation	1,700	1,700	0	0	0
Jarratt	[92]	Georgia-Pacific Corporation	400	0	400	0	0
Big Island	[93]	Georgia-Pacific Corporation	750	0	0	750	0
Hopewell	[94]	Smurfit-Stone Container Corporation	1,030	1,030	0	0	0
Franklin	[95]	International Paper Company	2,180	2,180	0	0	0
Riverville	[96]	Greif Brothers Corporation	550	0	0	550	0
Covington	[97]	Westvaco Corporation	1,700	1,700	0	0	0
Danville	[98]	Masonite Corporation	660	0	660	0	0
Total			9,850	6,610	1,940	1,300	0
Total South			130,337	112,872	10,330	6,365	770

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

^b Lockwood-Post's Directory (2001) and other sources.

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

Table 23—Other mills using southern pulpwod in 2000, by process and capacity

		Pulping capacity, 24 hours ^a				
Location	Company	All	Sulfate	Groundwood	Semi-	Soda
		processes		and other		chemical
				mechanical		sulfite
Tons						
Maryland						
Luke	Westvaco Corporation	882	882			
Ohio						
Chillicothe	Mead Corporation	1,000	1,000			
Pennsylvania						
Spring Grove	P.H. Glatfelter Company	630	630			

^a Lockwood-Post's Directory (2001) and other sources.



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Johnson, Tony G.; Steppleton, Carolyn D. 2002. Southern pulpwood production, 2000. Resour. Bull. SRS-69. Asheville, NC: U.S. Department of Agriculture, Forest Service, Southern Research Station. 34 p.

In 2000, the South's production of pulpwood declined 6 percent to 66.6 million cords. Roundwood production dropped to 44.4 million cords and accounted for 67 percent of the total pulpwood production. The use of wood residue increased 2 percent to 22.3 million cords. Alabama continued to lead the South in total production, number of mills, and pulping capacity. In 2000, 98 mills were operating and drawing wood from the 13 Southern States. Southern mills' pulping capacity of 130,337 tons per day accounted for more than two-thirds of the Nation's total pulping capacity.

Keywords: Pulping capacity, pulp mills, pulpwood, residues, roundwood.

United States
Department of Agriculture

Forest Service

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