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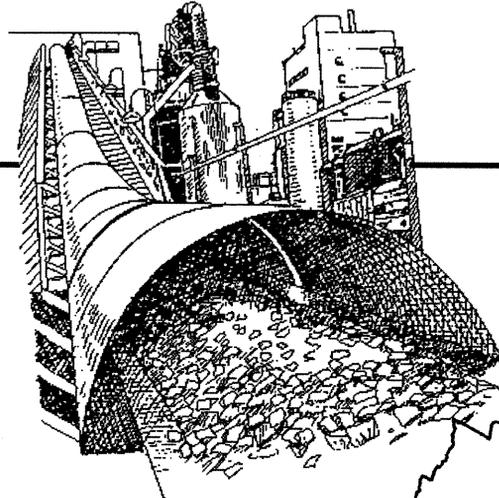
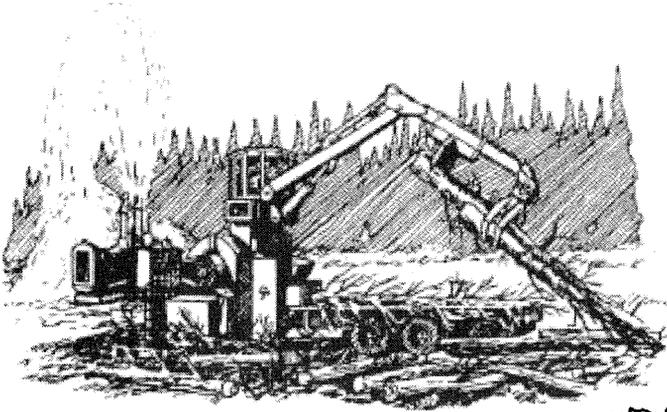


Southern Research
Station

Resource Bulletin
SRS-1

Southern Pulpwood Production, 1994

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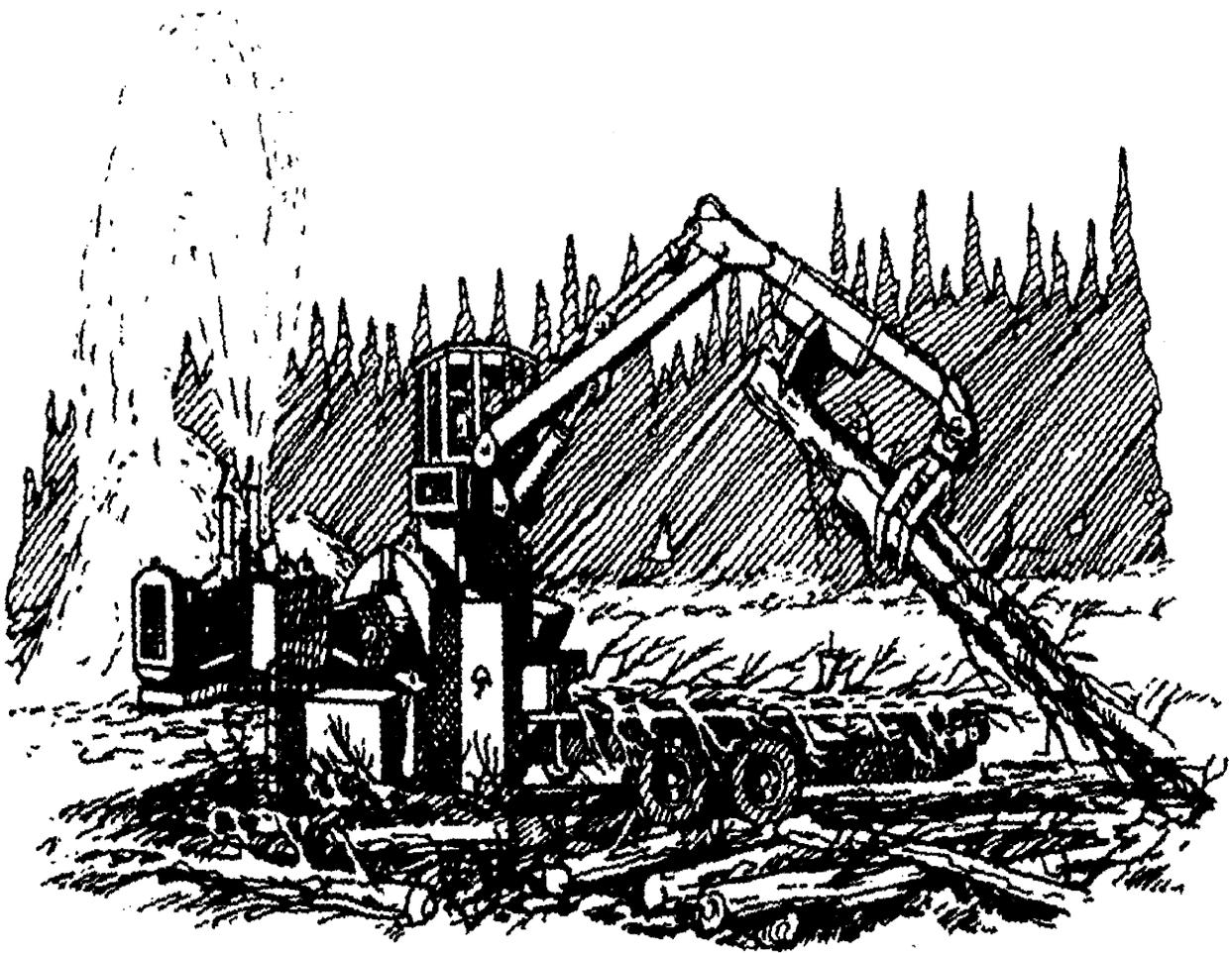
January 1996

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P.O. Box 2680
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Southern Pulpwood Production, 1994

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Asheville, North Carolina
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Forest Service, U.S. Department of Agriculture
in cooperation with
AMERICAN PULPWOOD ASSOCIATION**



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. Kentucky, formerly in the Northeastern region, was added to the Southern region in 1994. For comparison purposes, Kentucky's pulpwood production and mill data for 1993, and preceding years where applicable, has been added to the 12 Southern States' production and mill data. Canvass data are compiled, analyzed, and reported annually by the Southern Research Station. Ninety-eight of the 104 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 with regional conversion factors. All production figures are reported in cords. Production expressed in equivalent green tons are reported in tables 1, 2, and 7-19.

Pulpwood

The general upward trend in pulpwood production seen over the past decade continued in 1994. This is attributable to a stable economy that fueled demand for pulp and paper products creating an increased demand for pulpwood. Southern production increased by 2 percent in 1994 to 68.5 million cords, or nearly 181 million green tons. In 1994, the South Central region (previously referred to as the Midsouth), which now includes the state of Kentucky, led in the production of pulpwood. This region supplied 37.7 million cords compared to the Southeast's production of 30.8 million cords (table 1). Alabama continued to lead the South with 11.3 million cords of pulpwood produced in 1994 (fig. 1), an increase of 10 percent from 1993. Georgia's production remained steady at 9.6 million cords. Production in Mississippi and Louisiana increased by 1 and 3 percent, respectively, to 7.9 and 7.3 million cords. Collectively, these four States accounted for 53 percent of the South's total production. All States except Arkansas, Kentucky, North Carolina, and Oklahoma reported production increases

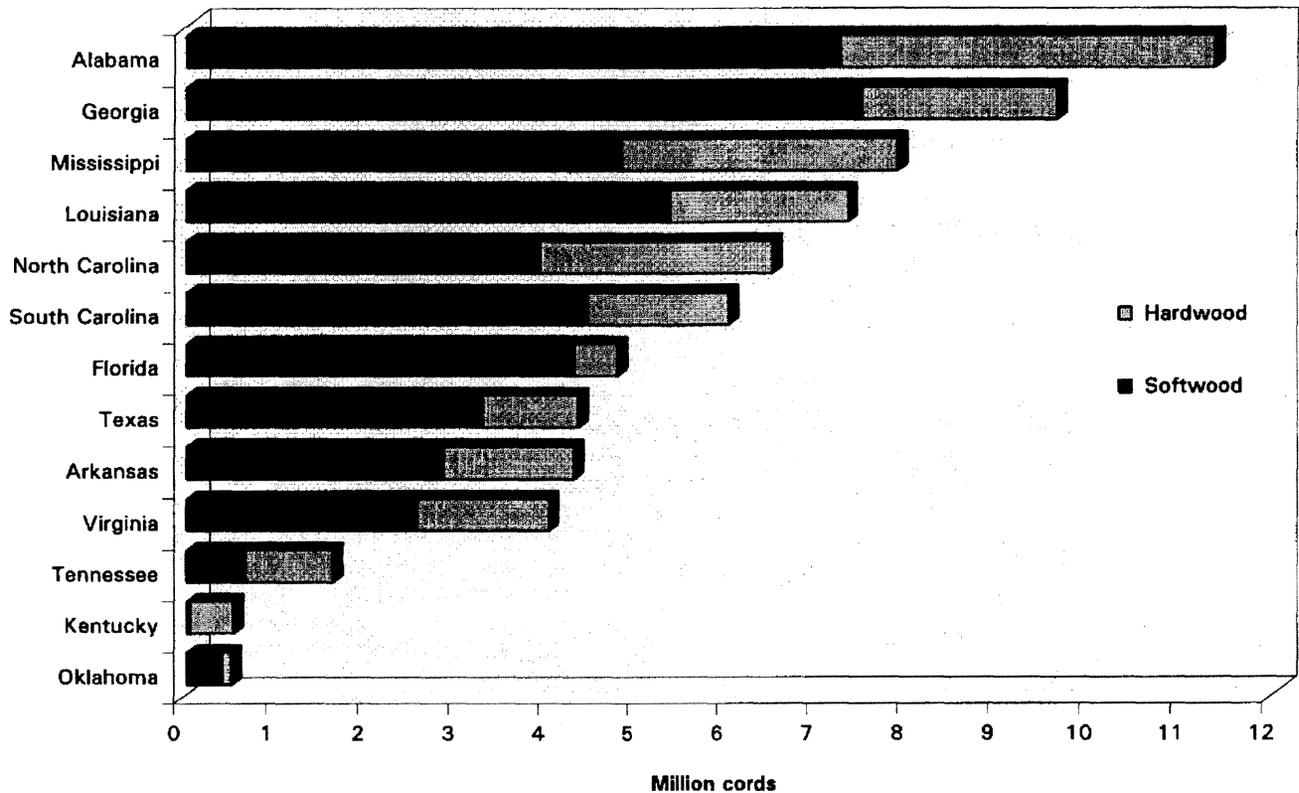


Figure 1—1994 Pulpwood production, by State and broad species.

(table 2). The 15-percent production increase in Tennessee was the largest among all States, while the largest percentage drop, a 15-percent decline, occurred in Kentucky. Softwood roundwood and residues combined accounted for 69 percent of the total pulpwood production, while hardwoods accounted for the remainder (table 3). These proportions have remained relatively stable over the last 5 years.

Roundwood

Roundwood continues to be the primary fiber source used in pulp manufacture, accounting for 70 percent of the total pulpwood production (fig. 2). Overall, the South's roundwood production was up 3 percent in 1994, to a total of 47.8 million cords (table 4). Softwood accounted for nearly two-thirds of the total roundwood production. Both softwood and hardwood roundwood production increased 3 and 2 percent, respectively. Alabama led in total roundwood production, with 8.9 million cords, and was the leading producer in both softwood and hardwood roundwood, at 5.4 and 3.5 million cords, respectively. Alabama was followed by Georgia with 6.9 million cords total roundwood, Mississippi with 5.6 million cords, and Louisiana with 4.9 million cords. The combined roundwood production for these four states made up nearly 55 percent of the total roundwood production for the Southern States. Tennessee and Oklahoma had the largest percentage increase at 20 percent each, while Kentucky had the largest percentage decline, 14 percent. Alabama had the largest volume increase of 897,000 cords, while Texas had the largest volume decline of 283,000 cords.

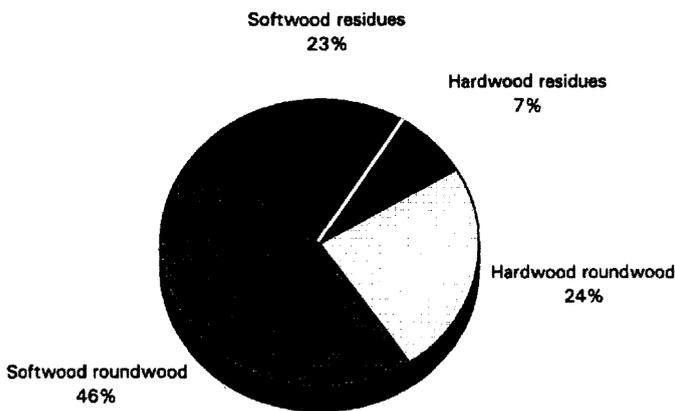


Figure 2—Distribution of total production, by roundwood and residues.

Wood Residues

Mills report two types of receipts: (1) roundwood and (2) wood residues. The second category is primarily chips. An unknown proportion of the 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. However, this data is only obtained from a complete canvass of all commodities for each State and is not available for this report.

With this in mind, in 1994, wood residue production in the South was up 2 percent to 20.6 million cords (table 5). More than three-fourths of the wood residues produced were softwoods. Chipped residues accounted for almost all the residue produced (table 6). Georgia led all states in the production of wood residues at 2.7 million cords, followed by Alabama and Louisiana with 2.4 million cords each. Six of the 13 States had production declines in 1994. Arkansas had the largest volume decline, down 311,000 cords, while Texas had the largest volume increase at 355,000 cords. The South Central region led the Southeast in wood residue production, supplying 60 percent of the total residue volume.

Parish or County Production

Tables 7-19 report parish (hereafter referred to as county) and 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 encompassed by the Southern region, 902 counties produced either softwood or hardwood roundwood. Eighteen of the 902 producing counties harvested more than 250,000 cords of both softwood and hardwood roundwood combined. Most of these counties were concentrated in Alabama. More than 14 percent, or 131 counties across the South, had roundwood production ranging between 100,000 and 250,000 cords. These counties were fairly evenly distributed across the South. The remaining counties had production of less than 100,000 cords. Figures 3 and 4 display roundwood production figures broken out in more detail and displayed by softwood and hardwood.

A barometer for degree of competition is the number of mills procuring wood in a county (figs. 5 and 6). In 400, or 44 percent, of the producing counties at least one to three mills were actively procuring both

Softwood Roundwood Production, 1994

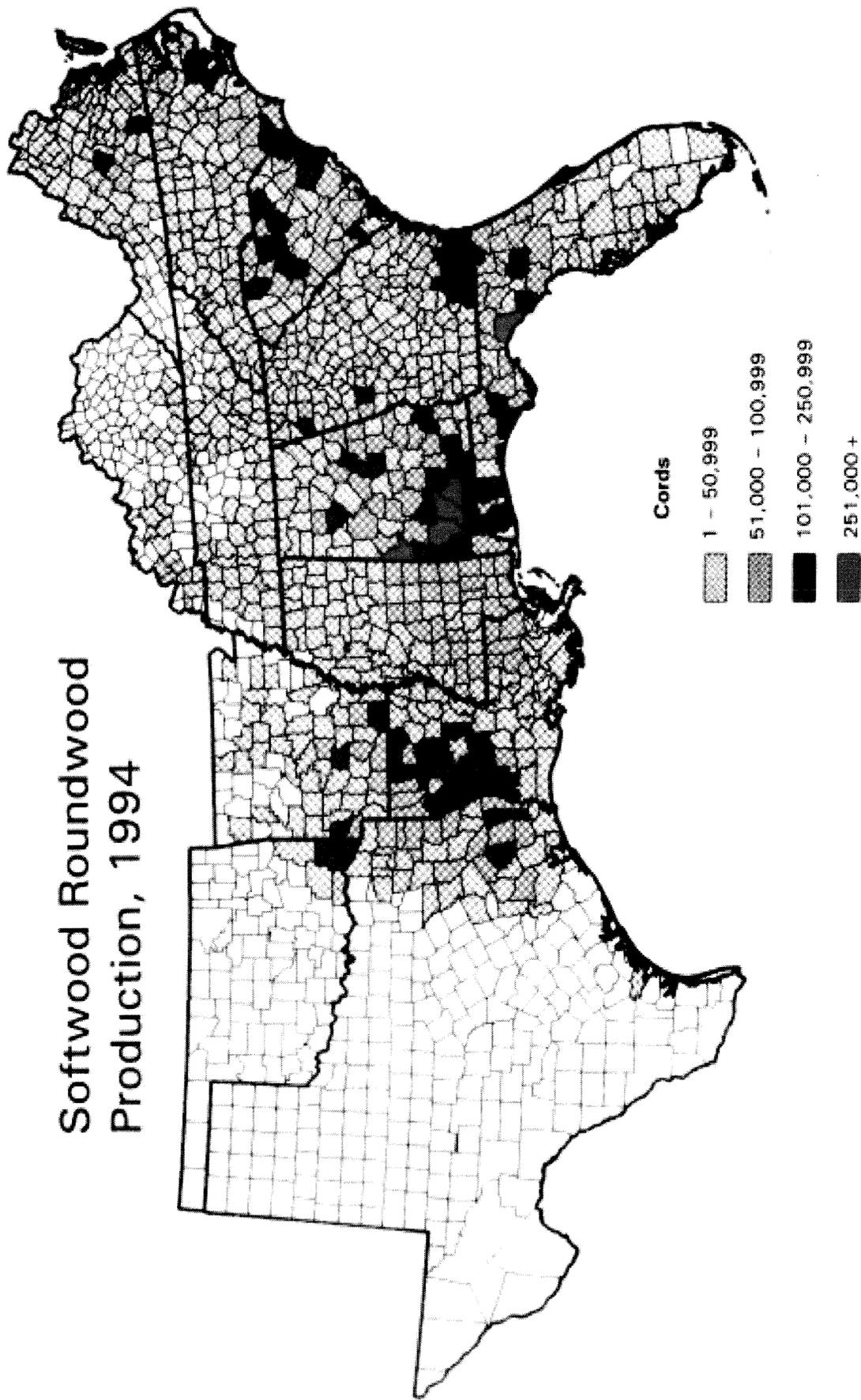


Figure 3 - Softwood roundwood production in the South by county or parish, 1994.

Hardwood Roundwood Production, 1994

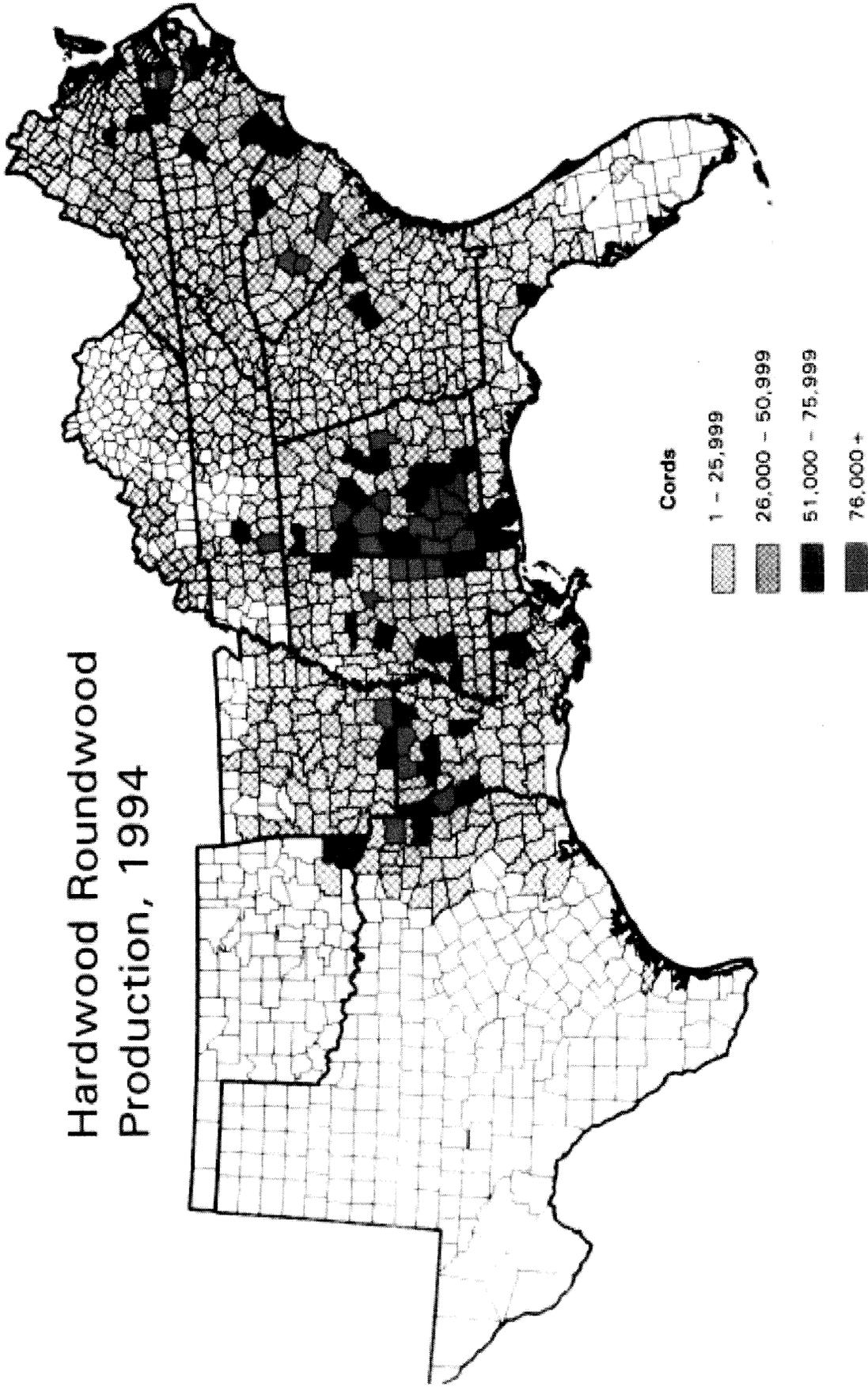


Figure 4 — Hardwood roundwood production in the South by county or parish, 1994.

Number of Softwood Mills, 1994

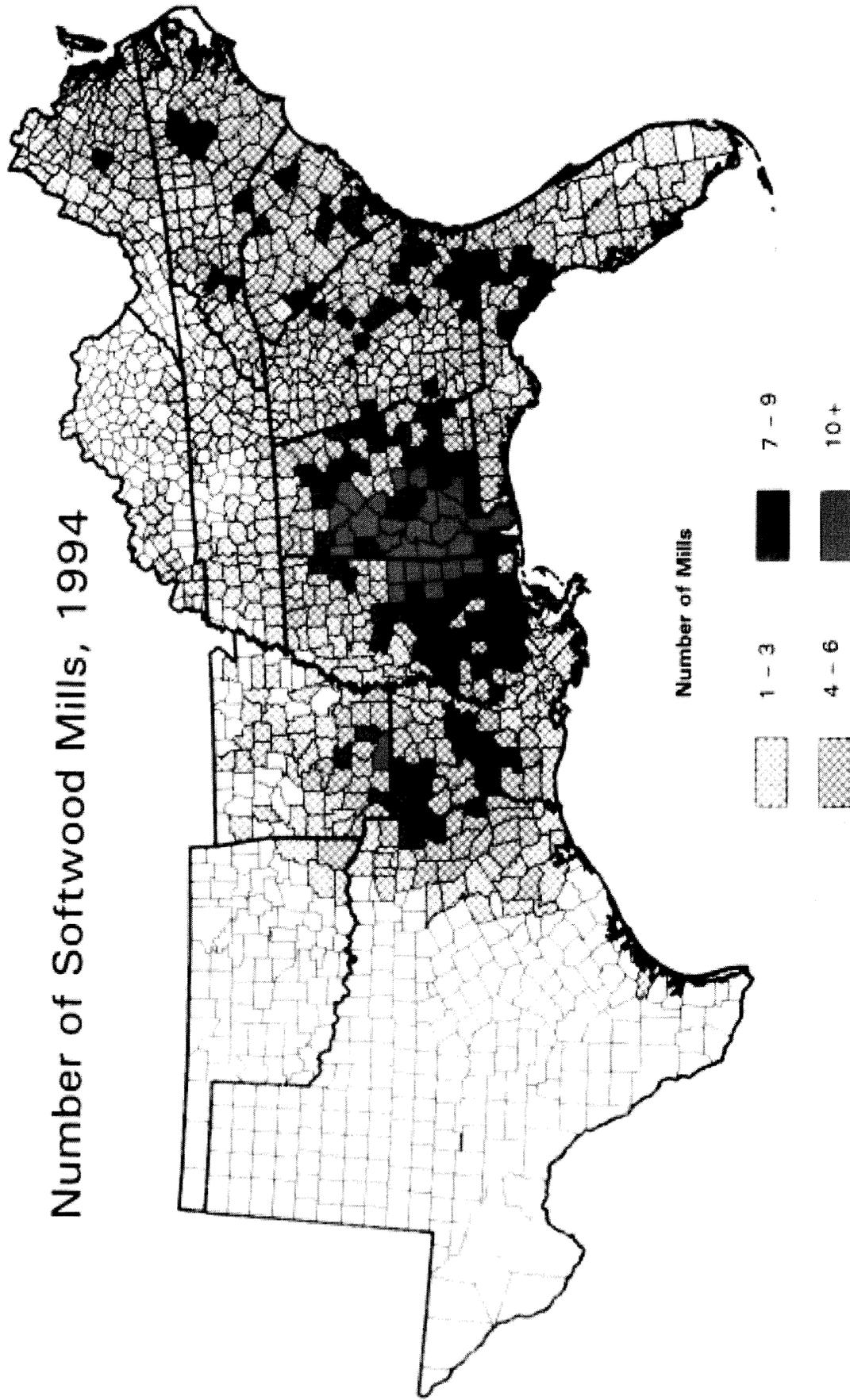


Figure 5 - Number of mills competing for softwood roundwood by county or parish, 1994.

Number of Hardwood Mills, 1994

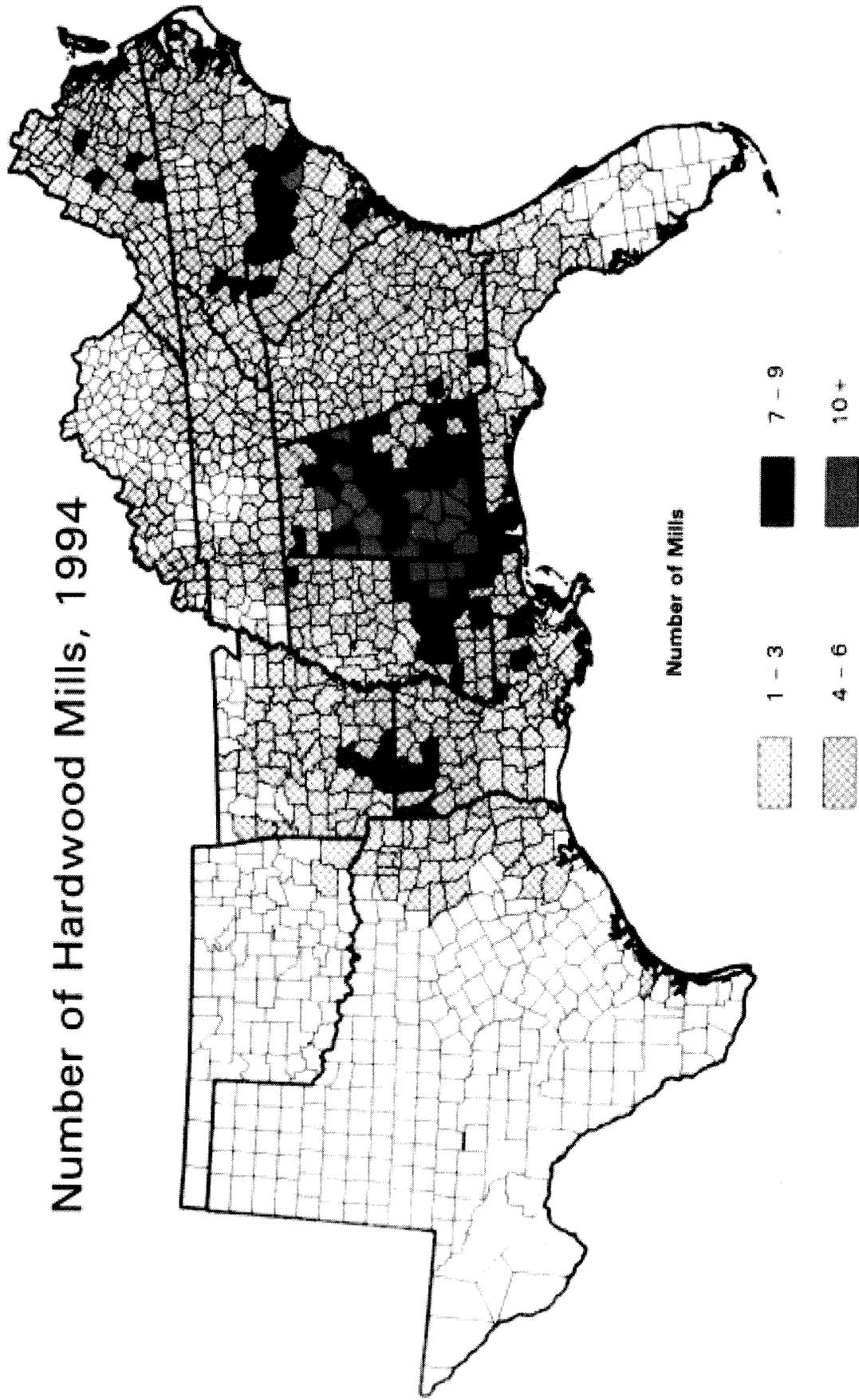


Figure 6 — Number of mills competing for hardwood roundwood by county or parish, 1994.

softwood and hardwood roundwood (see tabulation below). In 245 counties, four to six mills were actively procuring wood and in the remaining 257 counties, or 28 percent of the producing counties, seven or more mills were active. Larger procurement areas, increased competition among mills, and increasing value for the resource should provide a strong incentive for every forest owner to manage their timber.

Number of southern producing counties, by the number of pulpmills procuring softwood and hardwood roundwood, 1994

Number of mills	Number of counties		
	Total	Softwood	Hardwood
0	0	58	46
1-3	400	381	468
4-6	245	319	280
7-9	192	117	87
10+	65	27	21
Total	902	902	902

Mills

In 1994, 104 Southern pulpmills were operating and drawing wood from the 13 Southern States (fig. 7). The addition of Kentucky has added two mills to the Southern pulpmill count. Total Southern mill pulping capacity increased from 134,867 to 139,880 tons per day. Southern mills now account for more than 69 percent of the nation's total pulping capacity. Daily capacity of individual mills ranged from 50 tons to more than 3,000 tons. The average mill can produce 1,345 tons of pulp daily as compared to 1,323 tons in 1993 and 1,161 tons in 1985. The sulfate process dominates the pulping industry today, accounting for 84 percent of the Southern mill capacity. Ten percent of the capacity is groundwood or other mechanical processes, 5 percent semi-chemical, and 1 percent soda and other chemical processes (table 20). At the

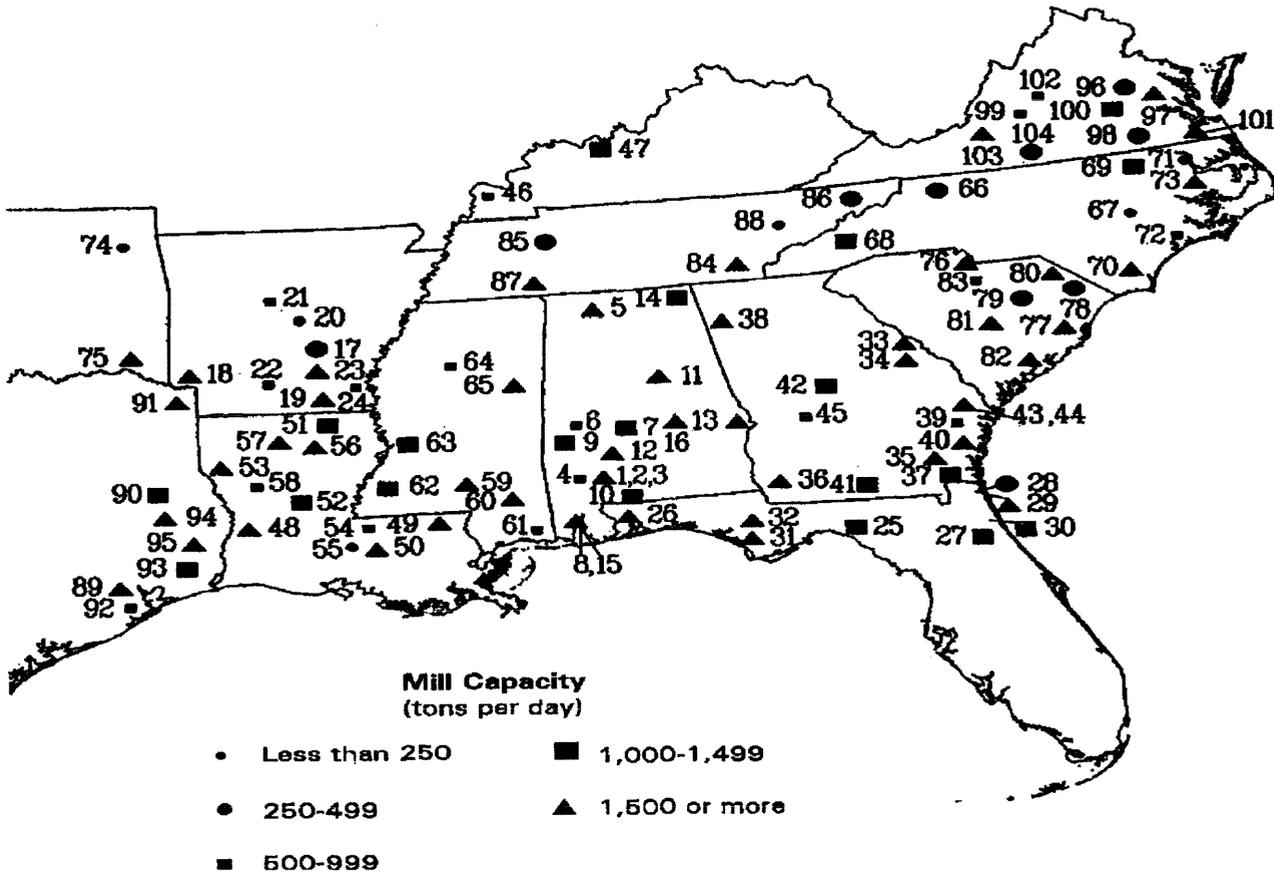


Figure 7—1994 capacity of Southern pulpmills operating and drawing wood from the 13 Southern States. Numerals are coded to table 20.

current production of 68.5 million cords for 1994 and pulping capacity of nearly 140,000 tons, Southern mills operated at about 85 percent of capacity.

Alabama and Georgia continued to lead the South in the number of mills operating with 16 and 13 mills, respectively. Alabama led in pulping capacity with 23,700 tons per day, to Georgia's 22,225 tons per day (see tabulation below). In addition, five pulpmills outside the Southern region drew wood from the South in 1994 (table 21).

Number of pulpmills and pulping capacity, by State, 1994

State	Mills	24-hour capacity
Alabama	16	23,700
Arkansas	8	8,525
Florida	8	11,255
Georgia	13	22,225
Kentucky	2	1,875
Louisiana	11	16,365
Mississippi	7	9,425
North Carolina	8	8,465
Oklahoma	2	2,200
South Carolina	8	11,470
Tennessee	5	5,365
Texas	7	10,045
Virginia	9	8,965
All States	104	139,880

Trends

From 1985 through 1994, Southern pulpwood production increased by 19 percent, from 57.5 to 68.5 million cords (fig. 8). During the same period, roundwood pulpwood production increased from 37.3 to 47.8 million cords, a 28 percent gain. Between 1985 and 1994 softwood roundwood production increased 23 percent, while hardwood roundwood production increased 38 percent. The production of wood residues increased nearly 3 percent from 20.1 million cords in 1985 to 20.6 million cords in 1994. Wood residues as a proportion of total production seemed to peak in 1985 at 35 percent. However, wood residues continue to be an important source of fiber for the pulpwood industry in the South, accounting for 30 percent of all pulpwood production in 1994.

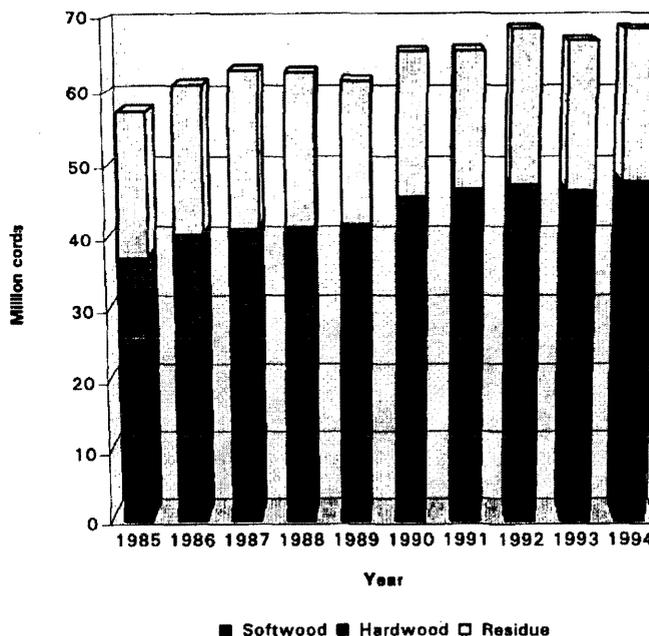


Figure 8—Southern pulpwood production, 1984-94.

Table 1—Pulpwood production in the Southeast and South Central Regions, 1994

Region and source of wood	All species			All species		
	Softwood	Hardwood		Softwood	Hardwood	
	<i>Standard cords</i>			<i>Green tons</i>		
Southeast^a						
Roundwood	22,540,109	15,828,406	6,711,703	61,529,465	42,736,696	18,792,769
Residues	8,270,359	6,737,093	1,533,266	19,982,209	16,202,708	3,779,501
Total	30,810,468	22,565,499	8,244,969	81,511,674	58,939,404	22,572,270
South Central^b						
Roundwood	25,302,264	15,319,515	9,982,749	69,314,388	41,362,691	27,951,697
Residues	12,372,533	9,194,476	3,178,057	29,946,625	22,112,715	7,833,910
Total	37,674,797	24,513,991	13,160,806	99,261,013	63,475,406	35,785,607
Entire South						
Roundwood	47,842,373	31,147,921	16,694,452	130,843,853	84,099,387	46,744,466
Residues	20,642,892	15,931,569	4,711,323	49,928,834	38,315,423	11,613,411
Total	68,485,265	47,079,490	21,405,775	180,772,687	122,414,810	58,357,877

^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 1994, and change since 1993

State	Change		
	Percent	Standard cords	Green tons
Alabama	10	11,346,928	30,301,824
Arkansas	-8	4,260,794	10,949,565
Florida	1	4,744,716	12,597,564
Georgia	0	9,616,509	25,364,090
Kentucky	-15	511,699	1,321,683
Louisiana	3	7,311,236	19,219,395
Mississippi	1	7,863,261	20,848,847
North Carolina	-3	6,480,057	17,182,142
Oklahoma	-10	487,880	1,274,331
South Carolina	5	5,989,356	15,896,411
Tennessee	15	1,586,154	4,302,431
Texas	2	4,306,845	11,042,937
Virginia	11	3,979,830	10,471,468
All States	2	68,485,265	180,772,687

Table 3—Pulpwood production in the South, by State and species group, 1994

State	All species		
	Softwood	Hardwood	
<i>Thousand cords</i>			
Alabama	11,346.9	7,227.9	4,119.0
Arkansas	4,260.8	2,812.4	1,448.4
Florida	4,744.7	4,264.4	480.3
Georgia	9,616.5	7,473.3	2,143.2
Kentucky	511.7	41.6	470.1
Louisiana	7,311.2	5,339.6	1,971.7
Mississippi	7,863.3	4,798.7	3,064.6
North Carolina	6,480.1	3,885.1	2,595.0
Oklahoma	487.9	394.6	93.3
South Carolina	5,989.4	4,422.4	1,566.9
Tennessee	1,586.2	651.3	934.8
Texas	4,306.8	3,247.9	1,058.9
Virginia	3,979.8	2,520.3	1,459.5
All States	68,485.3	47,079.5	21,405.8

Table 4—Roundwood production in the South, by State and species group, 1994 and 1993

State	Change from 1993	1994			1993		
		All species	Softwood	Hardwood	All species	Softwood	Hardwood
<i>Percent</i>		<i>Thousand cords</i>					
Alabama	11	8,898.7	5,393.8	3,504.9	8,002.1	4,700.0	3,302.1
Arkansas	-2	1,986.6	1,251.4	735.2	2,021.8	1,164.2	857.6
Florida	-1	3,863.0	3,409.8	453.2	3,904.1	3,395.0	509.1
Georgia	-2	6,898.1	5,076.9	1,821.2	7,004.3	5,067.6	1,936.7
Kentucky	-14	192.0	36.7	155.3	223.9	35.1	188.8
Louisiana	7	4,916.6	3,237.6	1,679.0	4,581.3	3,154.8	1,426.5
Mississippi	5	5,589.5	2,966.1	2,623.4	5,310.1	2,812.0	2,498.1
North Carolina	-4	4,609.1	2,553.7	2,055.4	4,799.8	2,767.5	2,032.3
Oklahoma	20	313.4	240.3	73.1	261.9	218.9	43.0
South Carolina	3	4,555.5	3,202.5	1,353.0	4,440.6	2,940.7	1,499.9
Tennessee	20	1,363.5	628.2	735.3	1,138.4	599.8	538.6
Texas	-12	2,042.0	1,565.4	476.6	2,324.7	1,827.1	497.6
Virginia	2	2,614.4	1,585.5	1,028.9	2,553.1	1,478.1	1,075.0
All States	3	47,842.4	31,147.9	16,694.5	46,566.1	30,160.8	16,405.3

Table 5—Southern output of wood residues for pulp manufacture, by State and species group, 1994 and 1993

State	Change from 1993	1994			1993		
		All species	Softwood	Hardwood	All species	Softwood	Hardwood
	<i>Percent</i>	<i>Thousand cords</i>					
Alabama	5	2,448.2	1,834.1	614.1	2,326.3	1,839.2	487.1
Arkansas	-12	2,274.2	1,561.0	713.2	2,585.3	1,746.9	838.4
Florida	14	881.8	854.6	27.2	775.7	736.3	39.4
Georgia	3	2,718.4	2,396.4	322.0	2,631.6	2,339.5	292.1
Kentucky	-15	319.7	4.9	314.8	376.4	11.2	365.2
Louisiana	-6	2,394.6	2,102.0	292.6	2,541.0	1,975.8	565.2
Mississippi	-9	2,273.8	1,832.6	441.2	2,489.6	2,110.0	379.6
North Carolina	1	1,870.9	1,331.4	539.5	1,859.0	1,293.7	565.3
Oklahoma	-38	174.5	154.3	20.2	279.2	192.1	87.1
South Carolina	13	1,433.9	1,220.0	213.9	1,263.8	1,074.0	189.8
Tennessee	-7	222.6	23.1	199.5	238.3	29.4	208.9
Texas	19	2,264.9	1,682.5	582.4	1,909.5	1,382.6	526.9
Virginia	33	1,365.4	934.7	430.7	1,029.9	686.9	343.0
All States	2	20,642.9	15,931.6	4,711.3	20,305.6	15,417.6	4,888.0

Table 6—Southern output of wood residues for pulp manufacture, by State and type of residue, 1994

State	All types	Chips			Other residues*		
		All species	Softwood	Hardwood	All species	Softwood	Hardwood
<i>Thousand cords</i>							
Alabama	2,448.2	2,448.2	1,834.1	614.1	0	0	0
Arkansas	2,274.2	2,274.2	1,561.0	713.2	0	0	0
Florida	881.8	881.8	854.6	27.2	0	0	0
Georgia	2,718.4	2,718.4	2,396.4	322.0	0	0	0
Kentucky	319.7	319.7	4.9	314.8	0	0	0
Louisiana	2,394.6	2,394.6	2,102.0	292.6	0	0	0
Mississippi	2,273.8	2,273.8	1,832.6	441.2	0	0	0
North Carolina	1,870.9	1,868.7	1,330.8	537.9	2.2	0.6	1.6
Oklahoma	174.5	174.5	154.3	20.2	0	0	0
South Carolina	1,433.9	1,433.9	1,220.0	213.9	0	0	0
Tennessee	222.6	222.6	23.1	199.5	0	0	0
Texas	2,264.9	2,264.9	1,682.5	582.4	0	0	0
Virginia	1,365.4	1,365.4	934.7	430.7	0	0	0
All States	20,642.9	20,640.7	15,931.0	4,709.7	2.2	0.6	1.6

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

Table 7—Roundwood pulpwood production in Alabama, 1994

County ^a	All species			All species		
	Softwood	Hardwood		Softwood	Hardwood	
	Standard cords			Green tons		
Autauga	117,081	70,705	46,376	320,757	190,904	129,853
Baldwin	300,186	229,750	70,436	817,546	620,325	197,221
Barbour	155,850	109,132	46,718	425,466	294,656	130,810
Bibb	139,601	60,378	79,223	384,845	163,021	221,824
Blount	67,539	24,282	43,257	186,681	65,561	121,120
Bullock	86,691	62,137	24,554	236,521	167,770	68,751
Butler	250,786	180,343	70,443	684,166	486,926	197,240
Calhoun	58,937	47,446	11,491	160,279	128,104	32,175
Chambers	57,016	33,703	23,313	156,274	90,998	65,276
Cherokee	75,944	37,267	38,677	208,917	100,621	108,296
Chilton	79,705	46,518	33,187	218,523	125,599	92,924
Choctaw	290,255	160,041	130,214	796,710	432,111	364,599
Clarke	456,759	271,710	185,049	1,251,754	733,617	518,137
Clay	89,356	53,655	35,701	244,832	144,869	99,963
Cleburne	101,576	70,347	31,229	277,378	189,937	87,441
Coffee	172,739	135,029	37,710	470,166	364,578	105,588
Colbert	90,475	38,172	52,303	249,512	103,064	146,448
Conecuh	352,862	261,862	91,000	961,827	707,027	254,800
Coosa	164,469	102,534	61,935	450,260	276,842	173,418
Covington	195,976	144,792	51,184	534,253	390,938	143,315
Crenshaw	119,976	78,250	41,726	328,108	211,275	116,833
Cullman	48,957	22,989	25,968	134,780	62,070	72,710
Dale	63,499	41,412	22,087	173,656	111,812	61,844
Dallas	154,360	91,919	62,441	423,016	248,181	174,835
De Kalb	50,109	32,018	18,091	137,104	86,449	50,655
Elmore	80,420	42,203	38,217	220,956	113,948	107,008
Escambia	218,369	180,602	35,767	587,773	487,625	100,148
Etowah	74,041	46,525	27,516	202,663	125,618	77,045
Fayette	113,897	45,052	68,845	314,406	121,640	192,766
Franklin	91,277	49,601	41,676	250,616	133,923	116,693
Geneva	51,016	29,019	21,997	139,943	78,351	61,592
Greene	111,780	56,831	54,949	307,301	153,444	153,857
Hale	71,983	36,142	35,841	197,938	97,583	100,355
Henry	81,847	54,972	26,875	223,674	148,424	75,250
Houston	46,099	31,880	14,219	125,889	86,076	39,813
Jackson	49,988	17,712	32,276	138,195	47,822	90,373
Jefferson	86,836	35,437	51,399	239,597	95,680	143,917
Lamar	104,387	32,468	71,919	289,037	87,664	201,373
Lauderdale	36,889	13,985	22,904	101,891	37,760	64,131
Lawrence	39,826	14,306	25,520	110,082	38,626	71,456
Lee	83,049	53,947	29,102	227,143	145,657	81,486
Limestone	12,817	7,088	5,729	35,179	19,138	16,041
Lowndes	117,047	65,043	52,004	321,227	175,616	145,611
Macon	81,956	54,683	27,273	224,008	147,644	76,364
Madison	13,632	3,305	10,327	37,840	8,924	28,916
Marengo	206,290	91,423	114,867	568,470	246,842	321,628
Marion	89,823	43,680	46,143	247,136	117,936	129,200
Marshall	29,880	17,408	12,472	81,924	47,002	34,922
Mobile	132,435	80,865	51,570	362,732	218,336	144,396
Monroe	520,928	357,237	163,691	1,422,875	964,540	458,335
Montgomery	61,892	29,431	32,461	170,355	79,464	90,891
Morgan	46,832	27,646	19,186	128,365	74,644	53,721
Perry	93,428	51,800	41,628	256,418	139,860	116,558
Pickens	131,309	34,673	96,636	364,198	93,617	270,581
Pike	127,671	87,874	39,797	348,692	237,260	111,432
Randolph	121,860	99,311	22,549	331,277	268,140	63,137
Russell	46,673	25,848	20,825	128,100	69,790	58,310
St. Clair	82,365	64,866	17,499	224,135	175,138	48,997
Shelby	98,196	74,961	23,235	267,453	202,395	65,058
Sumter	323,566	260,565	63,001	879,929	703,526	176,403
Talladega	174,793	101,539	73,254	479,266	274,155	205,111
Tallapoosa	185,418	77,067	108,351	511,464	208,081	303,383
Tuscaloosa	178,161	71,659	106,502	491,685	193,479	298,206
Walker	288,709	141,683	147,026	794,217	382,544	411,673
Washington	273,928	184,910	89,018	748,507	499,257	249,250
Wilcox	270,668	113,967	156,701	748,474	307,711	438,763
Winston	108,046	78,206	29,840	294,708	211,156	83,552
All counties	8,898,731	5,393,811	3,504,920	24,377,069	14,563,291	9,813,778

^a Counties with no pulpwood production are omitted.

Table 8—Roundwood pulpwood production in Arkansas, 1994

County ^a	All species			All species		
	Softwood	Hardwood		Softwood	Hardwood	
	Standard cords			Green tons		
Arkansas	15,005	0	15,005	42,014	0	42,014
Ashley	194,333	101,354	92,979	533,997	273,656	260,341
Bradley	62,436	43,395	19,041	170,482	117,167	53,315
Calhoun	99,005	71,685	27,320	270,046	193,550	76,496
Chicot	50,879	2,024	48,855	142,259	5,465	136,794
Clark	40,438	35,642	4,796	109,662	96,233	13,429
Cleburne	8,138	575	7,563	22,729	1,553	21,176
Cleveland	67,864	30,612	37,252	186,958	82,652	104,306
Columbia	87,452	62,599	24,853	238,605	169,017	69,588
Conway	2,833	0	2,833	7,932	0	7,932
Crawford	707	0	707	1,980	0	1,980
Crittenden	2,242	0	2,242	6,278	0	6,278
Cross	2,173	500	1,673	6,034	1,350	4,684
Dallas	151,906	103,237	48,669	415,013	278,740	136,273
Desha	40,845	1,522	39,323	114,213	4,109	110,104
Drew	121,006	75,969	45,037	331,220	205,116	126,104
Faulkner	7,976	2,108	5,868	22,122	5,692	16,430
Franklin	9	9	0	24	24	0
Garland	19,056	13,332	5,724	52,023	35,996	16,027
Grant	100,613	75,207	25,406	274,196	203,059	71,137
Greene	453	453	0	1,223	1,223	0
Hempstead	51,922	46,026	5,896	140,779	124,270	16,509
Hot Spring	68,542	50,920	17,622	186,826	137,484	49,342
Howard	756	736	20	2,043	1,987	56
Independence	7,318	20	7,298	20,488	54	20,434
Jackson	837	98	739	2,334	265	2,069
Jefferson	48,452	19,923	28,529	133,673	53,792	79,881
Lafayette	35,898	26,759	9,139	97,838	72,249	25,589
Lee	1,335	0	1,335	3,738	0	3,738
Lincoln	29,307	11,267	18,040	80,933	30,421	50,512
Little River	69,399	64,753	4,646	187,842	174,833	13,009
Lonoke	4,154	281	3,873	11,603	759	10,844
Marion	674	37	637	1,884	100	1,784
Miller	45,489	22,353	23,136	125,134	60,353	64,781
Mississippi	459	0	459	1,285	0	1,285
Monroe	1,130	78	1,052	3,157	211	2,946
Montgomery	12,229	10,983	1,246	33,143	29,654	3,489
Nevada	43,118	35,520	7,598	117,178	95,904	21,274
Newton	772	0	772	2,162	0	2,162
Ouachita	66,717	41,726	24,991	182,635	112,660	69,975
Perry	3,292	941	2,351	9,124	2,541	6,583
Phillips	3,166	56	3,110	8,859	151	8,708
Pike	24,805	21,689	3,116	67,285	58,560	8,725
Poinsett	448	54	394	1,249	146	1,103
Polk	576	60	516	1,607	162	1,445
Pope	19	0	19	53	0	53
Prairie	160	0	160	448	0	448
Pulaski	17,171	13,612	3,559	46,717	36,752	9,965
St. Francis	236	0	236	661	0	661
Saline	38,361	20,357	18,004	105,375	54,964	50,411
Scott	24,200	22,623	1,577	65,498	61,082	4,416
Searcy	3,727	166	3,561	10,419	448	9,971
Sebastian	10	0	10	28	0	28
Sevier	122,907	122,712	195	331,868	331,322	546
Stone	2,650	237	2,413	7,396	640	6,756
Union	155,664	95,274	60,390	426,332	257,240	169,092
Van Buren	6,476	609	5,867	18,072	1,644	16,428
Washington	113	12	101	315	32	283
White	13,726	1,275	12,451	38,306	3,443	34,863
Woodruff	423	0	423	1,184	0	1,184
Yell	4,582	0	4,582	12,830	0	12,830
All counties	1,986,589	1,251,380	735,209	5,437,311	3,378,725	2,058,586

^a Counties with no pulpwood production are omitted.

Table 9—Roundwood pulpwood production in Florida, 1994

County*	All species			All species		
	Softwood	Hardwood		Softwood	Hardwood	
	<i>Standard cords</i>			<i>Green tons</i>		
Alachua	150,650	139,158	11,492	407,905	375,727	32,178
Baker	87,507	86,055	1,452	236,415	232,349	4,066
Bay	119,448	116,899	2,549	322,764	315,627	7,137
Bradford	66,576	50,987	15,589	181,314	137,665	43,649
Brevard	9,021	9,021	0	24,357	24,357	0
Calhoun	137,689	126,212	11,477	372,908	340,772	32,136
Charlotte	4,837	4,837	0	13,060	13,060	0
Citrus	24,265	19,896	4,369	65,952	53,719	12,233
Clay	59,921	52,000	7,921	162,579	140,400	22,179
Collier	271	271	0	732	732	0
Columbia	106,900	99,782	7,118	289,341	269,411	19,930
Dade	10	10	0	27	27	0
De Soto	6,115	6,115	0	16,511	16,511	0
Dixie	177,970	119,342	58,628	486,381	322,223	164,158
Duval	60,686	56,839	3,847	164,237	153,465	10,772
Escambia	73,894	66,906	6,988	200,212	180,646	19,566
Flagler	74,440	65,415	9,025	201,891	176,621	25,270
Franklin	34,355	34,355	0	92,759	92,759	0
Gadsden	102,516	86,253	16,263	278,419	232,883	45,536
Gilchrist	46,020	42,503	3,517	124,606	114,758	9,848
Glades	17,501	17,501	0	47,253	47,253	0
Gulf	62,773	60,987	1,786	169,666	164,665	5,001
Hamilton	73,762	63,998	9,764	200,134	172,795	27,339
Hardee	987	987	0	2,665	2,665	0
Hendry	19,670	19,670	0	53,109	53,109	0
Hernando	21,047	18,426	2,621	57,089	49,750	7,339
Highlands	441	441	0	1,191	1,191	0
Hillsborough	3,929	3,929	0	10,608	10,608	0
Holmes	50,265	34,200	16,065	137,322	92,340	44,982
Indian River	790	790	0	2,133	2,133	0
Jackson	102,393	86,808	15,585	278,020	234,382	43,638
Jefferson	77,244	62,261	14,983	210,057	168,105	41,952
Lafayette	33,065	32,356	709	89,346	87,361	1,985
Lake	19,095	17,870	1,225	51,679	48,249	3,430
Lee	4,081	4,081	0	11,019	11,019	0
Leon	70,950	49,377	21,573	193,722	133,318	60,404
Levy	121,062	98,715	22,347	329,103	266,531	62,572
Liberty	81,800	78,229	3,571	221,217	211,218	9,999
Madison	72,904	59,232	13,672	198,208	159,926	38,282
Manatee	392	392	0	1,058	1,058	0
Marion	105,859	91,991	13,868	287,206	248,376	38,830
Martin	10	10	0	27	27	0
Nassau	143,857	129,507	14,350	389,849	349,669	40,180
Okaloosa	65,550	50,682	14,868	178,471	136,841	41,630
Okeechobee	245	0	245	686	0	686
Orange	4,187	4,187	0	11,305	11,305	0
Osceola	3,859	3,859	0	10,419	10,419	0
Palm Beach	18	18	0	49	49	0
Pasco	13,167	11,420	1,747	35,726	30,834	4,892
Pinellas	50	50	0	135	135	0
Polk	7,182	7,182	0	19,391	19,391	0
Putnam	70,855	62,113	8,742	192,183	167,705	24,478
St. Johns	80,339	70,965	9,374	217,853	191,606	26,247
St. Lucie	1,942	1,942	0	5,243	5,243	0
Santa Rosa	174,900	161,500	13,400	473,570	436,050	37,520
Sarasota	11,433	11,433	0	30,869	30,869	0
Seminole	11,858	11,858	0	32,017	32,017	0
Sumter	21,881	17,512	4,369	59,515	47,282	12,233
Suwannee	61,823	57,418	4,405	167,363	155,029	12,334
Taylor	520,535	492,156	28,379	1,408,282	1,328,821	79,461
Union	64,221	60,279	3,942	173,791	162,753	11,038
Volusia	100,520	94,841	5,679	271,972	256,071	15,901
Wakulla	64,712	64,712	0	174,722	174,722	0
Walton	71,509	56,247	15,262	194,601	151,867	42,734
Washington	85,208	54,799	30,409	233,102	147,957	85,145
All counties	3,862,962	3,409,787	453,175	10,475,316	9,206,426	1,268,890

* Counties with no pulpwood production are omitted.

Table 10—Roundwood pulpwood production in Georgia, 1994

County ^a	All species			All species		
	Softwood	Hardwood		Softwood	Hardwood	
	<i>Standard cords</i>			<i>Green tons</i>		
Appling	109,037	96,175	12,862	304,017	269,290	34,727
Atkinson	25,808	24,345	1,463	72,116	68,166	3,950
Bacon	56,671	44,818	11,853	157,493	125,490	32,003
Baker	34,082	22,960	11,122	94,317	64,288	30,029
Baldwin	40,164	27,064	13,100	111,149	75,779	35,370
Banks	1,389	740	649	3,824	2,072	1,752
Barrow	5,802	378	5,424	15,703	1,058	14,645
Bartow	99,569	80,923	18,646	276,928	226,584	50,344
Ben Hill	60,774	46,928	13,846	168,782	131,398	37,384
Berrien	22,041	17,250	4,791	61,236	48,300	12,936
Bibb	34,469	22,224	12,245	95,289	62,227	33,062
Bleckley	17,166	13,151	4,015	47,664	36,823	10,841
Brantley	124,984	111,151	13,833	348,572	311,223	37,349
Brooks	17,134	8,376	8,758	47,100	23,453	23,647
Bryan	61,142	45,091	16,051	169,593	126,255	43,338
Bulloch	53,173	22,157	31,016	145,783	62,040	83,743
Burke	110,219	48,066	62,153	302,398	134,585	167,813
Butts	33,630	32,162	1,468	94,018	90,054	3,964
Calhoun	13,817	9,870	3,947	38,293	27,636	10,657
Camden	149,636	124,352	25,284	416,453	348,186	68,267
Candler	42,867	29,529	13,338	118,694	82,681	36,013
Carroll	91,117	71,559	19,558	253,172	200,365	52,807
Catoosa	5,665	5,428	237	15,838	15,198	640
Charlton	153,192	139,891	13,301	427,608	391,695	35,913
Chatham	75,228	47,260	27,968	207,842	132,328	75,514
Chattahoochee	24,683	19,252	5,431	68,570	53,906	14,664
Chattooga	20,067	8,930	11,137	55,074	25,004	30,070
Cherokee	24,405	19,262	5,143	67,820	53,934	13,886
Clarke	1,467	552	915	4,017	1,546	2,471
Clay	17,655	11,426	6,229	48,811	31,993	16,818
Clayton	123	123	0	344	344	0
Clinch	249,743	240,012	9,731	698,308	672,034	26,274
Cobb	2,299	1,716	583	6,379	4,805	1,574
Coffee	49,221	39,145	10,076	136,811	109,606	27,205
Colquitt	8,410	7,701	709	23,477	21,563	1,914
Columbia	31,657	23,085	8,572	87,782	64,638	23,144
Cook	3,296	1,976	1,320	9,097	5,533	3,564
Coweta	12,669	8,551	4,118	35,062	23,943	11,119
Crawford	70,272	56,750	13,522	195,409	158,900	36,509
Crisp	25,562	9,471	16,091	69,965	26,519	43,446
Dade	6,434	4,120	2,314	17,784	11,536	6,248
Dawson	34,400	31,081	3,319	95,988	87,027	8,961
Decatur	43,718	33,730	9,988	121,412	94,444	26,968
De Kalb	312	312	0	874	874	0
Dodge	53,904	32,898	21,006	148,830	92,114	56,716
Dooly	2,437	2,085	352	6,788	5,838	950
Dougherty	29,904	24,670	5,234	83,208	69,076	14,132
Douglas	18,543	18,153	390	51,881	50,828	1,053
Early	28,010	20,230	7,780	77,650	56,644	21,006
Echols	155,060	152,870	2,190	433,949	428,036	5,913
Effingham	96,417	55,687	40,730	265,895	155,924	109,971
Elbert	35,215	9,847	25,368	96,066	27,572	68,494
Emanuel	79,163	51,237	27,926	218,864	143,464	75,400
Evans	26,218	17,101	9,117	72,499	47,883	24,616
Fannin	16,506	11,476	5,030	45,714	32,133	13,581
Fayette	4,395	3,323	1,072	12,198	9,304	2,894

Continued

Table 10—Roundwood pulpwood production in Georgia, 1994—Continued

County ^a	All species			All species		
	Softwood	Hardwood		Softwood	Hardwood	
	<i>Standard cords</i>			<i>Green tons</i>		
Floyd	115,299	101,274	14,025	321,435	283,567	37,868
Forsyth	1,009	990	19	2,823	2,772	51
Franklin	11,389	9,669	1,720	31,717	27,073	4,644
Fulton	11,043	8,935	2,108	30,710	25,018	5,692
Gilmer	40,817	30,035	10,782	113,209	84,098	29,111
Glascocock	16,934	7,863	9,071	46,508	22,016	24,492
Glynn	99,313	72,361	26,952	275,381	202,611	72,770
Gordon	24,356	22,275	2,081	67,989	62,370	5,619
Grady	52,525	30,076	22,449	144,825	84,213	60,612
Greene	36,485	18,681	17,804	100,378	52,307	48,071
Gwinnett	28,102	23,766	4,336	78,252	66,545	11,707
Habersham	885	885	0	2,478	2,478	0
Hall	1,574	1,387	187	4,389	3,884	505
Hancock	108,231	66,967	41,264	298,921	187,508	111,413
Haralson	40,833	24,282	16,551	112,678	67,990	44,688
Harris	54,272	40,290	13,982	150,563	112,812	37,751
Hart	2,998	1,285	1,713	8,223	3,598	4,625
Heard	4,690	3,669	1,021	13,030	10,273	2,757
Henry	24,916	24,843	73	69,757	69,560	197
Houston	51,442	47,613	3,829	143,654	133,316	10,338
Irwin	17,413	15,162	2,251	48,532	42,454	6,078
Jackson	13,223	12,595	628	36,962	35,266	1,696
Jasper	46,082	39,695	6,387	128,391	111,146	17,245
Jeff Davis	77,695	60,552	17,143	215,832	169,546	46,286
Jefferson	39,249	18,652	20,597	107,838	52,226	55,612
Jenkins	50,149	25,213	24,936	137,923	70,596	67,327
Johnson	35,042	22,159	12,883	96,829	62,045	34,784
Jones	52,153	42,307	9,846	145,044	118,460	26,584
Lamar	74,430	74,317	113	208,393	208,088	305
Lanier	18,702	17,087	1,615	52,205	47,844	4,361
Laurens	78,960	48,205	30,755	218,013	134,974	83,039
Lee	29,796	22,840	6,956	82,733	63,952	18,781
Liberty	133,448	93,708	39,740	369,680	262,382	107,298
Lincoln	24,673	7,253	17,420	67,342	20,308	47,034
Long	71,946	43,994	27,952	198,653	123,183	75,470
Lowndes	40,753	28,323	12,430	112,865	79,304	33,561
Lumpkin	3,388	2,109	1,279	9,358	5,905	3,453
McDuffie	25,668	17,055	8,613	71,009	47,754	23,255
McIntosh	133,620	93,737	39,883	370,148	262,464	107,684
Macon	39,009	34,895	4,114	108,814	97,706	11,108
Madison	11,092	9,519	1,573	30,900	26,653	4,247
Marion	45,161	28,124	17,037	124,747	78,747	46,000
Meriwether	158,280	128,110	30,170	440,167	358,708	81,459
Miller	19,222	12,662	6,560	53,166	35,454	17,712
Mitchell	13,513	4,090	9,423	36,894	11,452	25,442
Monroe	62,407	55,234	7,173	174,022	154,655	19,367
Montgomery	25,778	17,394	8,384	71,340	48,703	22,637
Morgan	18,080	15,967	2,113	50,413	44,708	5,705
Murray	20,222	18,230	1,992	56,422	51,044	5,378
Muscogee	3,720	2,481	1,239	10,292	6,947	3,345
Newton	11,917	11,524	393	33,328	32,267	1,061
Oconee	7,607	4,544	3,063	20,993	12,723	8,270
Oglethorpe	37,616	13,906	23,710	102,954	38,937	64,017
Paulding	49,874	41,434	8,440	138,803	116,015	22,788
Peach	2,965	2,939	26	8,299	8,229	70

Continued

Table 10—Roundwood pulpwood production in Georgia, 1994—Continued

County ^a	All species			All species		
	Softwood	Hardwood	Softwood	Hardwood	Hardwood	
	<i>Standard cords</i>			<i>Green tons</i>		
Pickens	21,106	15,956	5,150	58,582	44,677	13,905
Pierce	33,159	28,179	4,980	92,347	78,901	13,446
Pike	6,930	6,826	104	19,394	19,113	281
Polk	51,264	39,307	11,957	142,344	110,060	32,284
Pulaski	6,023	1,916	4,107	16,454	5,365	11,089
Putnam	56,294	47,788	8,506	156,772	133,806	22,966
Quitman	26,326	18,984	7,342	72,978	53,155	19,823
Rabun	1,089	417	672	2,982	1,168	1,814
Randolph	75,009	37,788	37,221	206,303	105,806	100,497
Richmond	22,387	8,369	14,018	61,282	23,433	37,849
Rockdale	886	783	103	2,470	2,192	278
Scroven	69,594	65,506	4,088	194,455	183,417	11,038
Scroven	65,742	27,538	38,204	180,257	77,106	103,151
Seminole	14,966	10,739	4,227	41,482	30,069	11,413
Spalding	17,174	16,685	489	48,038	46,718	1,320
Stephens	1,983	860	1,123	5,440	2,408	3,032
Stewart	84,620	50,988	33,632	233,572	142,766	90,806
Sumter	48,015	25,494	22,521	132,190	71,383	60,807
Talbot	59,637	43,079	16,558	165,328	120,621	44,707
Taliaferro	24,722	7,939	16,783	67,543	22,229	45,314
Tattnall	58,455	43,471	14,984	162,176	121,719	40,457
Taylor	25,831	22,911	2,920	72,035	64,151	7,884
Telfair	70,908	58,443	12,465	197,296	163,640	33,656
Terrell	32,831	22,524	10,307	90,896	63,067	27,829
Thomas	34,655	21,420	13,235	95,711	59,976	35,735
Tift	25,919	23,916	2,003	72,373	66,965	5,408
Toombs	61,399	51,954	9,445	170,973	145,471	25,502
Towns	9,274	7,302	1,972	25,770	20,446	5,324
Treutlen	32,526	25,630	6,896	90,383	71,764	18,619
Troup	87,698	66,087	21,611	243,394	185,044	58,350
Turner	1,837	1,671	166	5,127	4,679	448
Twiggs	53,350	42,032	11,318	148,249	117,690	30,559
Union	4,239	1,366	2,873	11,582	3,825	7,757
Upson	46,533	40,011	6,522	129,640	112,031	17,609
Walker	12,563	7,726	4,837	34,693	21,633	13,060
Walton	2,381	275	2,106	6,456	770	5,686
Ware	129,354	125,724	3,630	361,828	352,027	9,801
Warren	55,570	30,913	24,657	153,130	86,556	66,574
Washington	93,336	31,137	62,199	255,121	87,184	167,937
Wayne	111,016	93,503	17,513	309,093	261,808	47,285
Webster	68,899	56,122	12,777	191,640	157,142	34,498
Wheeler	21,427	14,818	6,609	59,334	41,490	17,844
White	48	48	0	134	134	0
Whitfield	97,113	55,973	41,140	267,802	156,724	111,078
Wilcox	35,357	31,043	4,314	98,568	86,920	11,648
Wilkes	86,096	45,819	40,277	237,041	128,293	108,748
Wilkinson	81,421	28,373	53,048	222,674	79,444	143,230
Worth	40,250	39,751	499	112,650	111,303	1,347
All counties	6,898,119	5,076,886	1,821,233	19,132,614	14,215,282	4,917,332

^a Counties with no pulpwood production are omitted.

Table 11—Roundwood pulpwood production in Kentucky, 1994

County ^a	All species			All species		
	Softwood	Hardwood		Softwood	Hardwood	
	<i>Standard cords</i>			<i>Green tons</i>		
Adair	200	148	52	546	400	146
Ballard	4,039	0	4,039	11,309	0	11,309
Bell	108	0	108	302	0	302
Breckinridge	4,292	0	4,292	12,018	0	12,018
Butler	11,268	497	10,771	31,501	1,342	30,159
Caldwell	6,647	852	5,795	18,526	2,300	16,226
Calloway	2,624	605	2,019	7,287	1,634	5,653
Carlisle	4,644	605	4,039	12,943	1,634	11,309
Casey	1,038	99	939	2,896	267	2,629
Clinton	6,326	0	6,326	17,713	0	17,713
Crittenden	7,368	2,543	4,825	20,376	6,866	13,510
Daviess	453	0	453	1,268	0	1,268
Edmonson	1,271	346	925	3,524	934	2,590
Fulton	1,010	0	1,010	2,828	0	2,828
Graves	8,576	4,537	4,039	23,559	12,250	11,309
Grayson	6,230	2,037	4,193	17,240	5,500	11,740
Hardin	3,319	0	3,319	9,293	0	9,293
Harlan	5,010	0	5,010	14,028	0	14,028
Hopkins	1,813	275	1,538	5,049	743	4,306
Knox	6,957	2,486	4,471	19,231	6,712	12,519
Laurel	26,226	1,459	24,767	73,287	3,939	69,348
Letcher	312	0	312	874	0	874
Livingston	14,703	1,428	13,275	41,026	3,856	37,170
Lyon	7,231	1,752	5,479	20,071	4,730	15,341
McCracken	2,019	0	2,019	5,653	0	5,653
McCreary	7,858	7,674	184	21,235	20,720	515
McLean	85	10	75	237	27	210
Marshall	3,332	303	3,029	9,299	818	8,481
Monroe	72	72	0	194	194	0
Muhlenberg	1,437	446	991	3,979	1,204	2,775
Ohio	33,491	2,446	31,045	93,530	6,604	86,926
Pike	54	0	54	151	0	151
Pulaski	424	0	424	1,187	0	1,187
Trigg	4,687	0	4,687	13,124	0	13,124
Union	336	0	336	941	0	941
Wayne	235	95	140	649	257	392
Whitley	6,265	5,989	276	16,943	16,170	773
All counties	191,960	36,704	155,256	533,817	99,101	434,716

^a Counties with no pulpwood production are omitted.

Table 12—Roundwood pulpwood production in Louisiana, 1994

Parish ^a	All species			All species		
	Softwood	Hardwood		Softwood	Hardwood	
	<i>Standard cords</i>			<i>Green tons</i>		
Acadia	19,098	6,712	12,386	52,803	18,122	34,681
Allen	86,776	79,362	7,414	235,036	214,277	20,759
Ascension	35,427	7,050	28,377	98,491	19,035	79,456
Assumption	23,082	4,595	18,487	64,171	12,407	51,764
Avoyelles	24,386	7,969	16,417	67,484	21,516	45,968
Beauregard	233,477	233,284	193	630,407	629,867	540
Bienville	247,939	186,232	61,707	675,606	502,826	172,780
Bossier	142,754	97,883	44,871	389,923	264,284	125,639
Caddo	112,721	57,039	55,682	309,915	154,005	155,910
Calcasieu	41,639	41,600	39	112,429	112,320	109
Caldwell	67,821	48,590	19,231	185,040	131,193	53,847
Cameron	33	33	0	89	89	0
Catahoula	28,284	14,300	13,984	77,765	38,610	39,155
Claiborne	252,226	172,010	80,216	689,032	464,427	224,605
Concordia	42,686	9,752	32,934	118,545	26,330	92,215
De Soto	250,950	162,916	88,034	686,368	439,873	246,495
East Baton Rouge	50,884	13,289	37,595	141,146	35,880	105,266
East Carroll	8,407	1,949	6,458	23,344	5,262	18,082
East Feliciana	84,294	39,422	44,872	232,081	106,439	125,642
Evangeline	44,895	33,640	11,255	122,342	90,828	31,514
Franklin	2,036	30	2,006	5,698	81	5,617
Grant	49,438	44,646	4,792	133,962	120,544	13,418
Iberia	14,625	2,916	11,709	40,658	7,873	32,785
Iberville	25,610	5,058	20,552	71,203	13,657	57,546
Jackson	171,927	108,923	63,004	470,503	294,092	176,411
Jefferson	126	107	19	342	289	53
Jefferson Davis	12,896	6,693	6,203	35,439	18,071	17,368
Lafayette	17,488	3,769	13,719	48,589	10,176	38,413
Lafourche	2,308	459	1,849	6,416	1,239	5,177
La Salle	178,071	113,027	65,044	487,296	305,173	182,123
Lincoln	139,652	99,813	39,839	381,044	269,495	111,549
Livingston	154,033	88,510	65,523	422,441	238,977	183,464
Madison	7,215	1,228	5,987	20,080	3,316	16,764
Morehouse	84,246	16,183	68,063	234,270	43,694	190,576
Natchitoches	164,533	123,469	41,064	448,345	333,366	114,979
Orleans	90	0	90	252	0	252
Ouachita	96,929	49,020	47,909	266,499	132,354	134,145
Pointe Coupee	28,521	5,661	22,860	79,293	15,285	64,008
Rapides	158,373	150,057	8,316	428,439	405,154	23,285
Red River	42,519	25,874	16,645	116,466	69,860	46,606
Richland	9,618	197	9,421	26,911	532	26,379
Sabine	249,071	195,553	53,518	677,843	527,993	149,850
St. Charles	7,692	1,530	6,162	21,385	4,131	17,254
St. Helena	94,965	71,868	23,097	258,716	194,044	64,672
St. James	33,847	6,732	27,115	94,098	18,176	75,922
St. John The Baptist	13,077	2,601	10,476	36,356	7,023	29,333
St. Landry	27,970	4,291	23,679	77,887	11,586	66,301
St. Martin	12,795	2,448	10,347	35,582	6,610	28,972
St. Mary	11,539	2,295	9,244	32,080	6,197	25,883
St. Tammany	103,336	60,787	42,549	283,262	164,125	119,137
Tangipahoa	147,669	81,610	66,059	405,312	220,347	184,965
Tensas	30,336	5,937	24,399	84,347	16,030	68,317
Terrebonne	5,385	1,071	4,314	14,971	2,892	12,079
Union	293,174	209,525	83,649	799,935	565,718	234,217
Vermilion	10,000	1,989	8,011	27,801	5,370	22,431
Vernon	229,459	227,177	2,282	619,768	613,378	6,390
Washington	137,663	87,745	49,918	376,682	236,912	139,770
Webster	117,483	74,589	42,894	321,493	201,390	120,103
West Baton Rouge	31,283	6,538	24,745	86,939	17,653	69,286
West Carroll	2,184	170	2,014	6,098	459	5,639
West Feliciana	66,239	19,146	47,093	183,554	51,694	131,860
Winn	133,441	110,694	22,747	362,566	298,874	63,692
All parishes	4,916,641	3,237,563	1,679,078	13,442,838	8,741,420	4,701,418

^a Parishes with no pulpwood production are omitted.

Table 13—Roundwood pulpwood production in Mississippi, 1994

County ^a	All species			All species		
	Softwood	Hardwood		Softwood	Hardwood	
	<i>Standard cords</i>			<i>Green tons</i>		
Adams	68,437	19,961	48,476	189,628	53,895	135,733
Alcorn	56,841	22,175	34,666	156,938	59,873	97,065
Amite	136,681	86,446	50,235	374,062	233,404	140,658
Attala	87,305	39,841	47,464	240,470	107,571	132,899
Benton	16,669	5,277	11,392	46,146	14,248	31,898
Bolivar	679	225	454	1,879	608	1,271
Calhoun	35,683	27,332	8,351	97,179	73,796	23,383
Carroll	41,094	10,991	30,103	113,964	29,676	84,288
Chickasaw	23,245	19,973	3,272	63,089	53,927	9,162
Choctaw	129,377	41,152	88,225	358,140	111,110	247,030
Claiborne	66,812	22,096	44,716	184,864	59,659	125,205
Clarke	222,234	92,490	129,744	613,006	249,723	363,283
Clay	43,013	21,942	21,071	118,242	59,243	58,999
Coahoma	7	7	0	19	19	0
Copiah	125,883	72,498	53,385	345,223	195,745	149,478
Covington	70,580	46,047	24,533	193,019	124,327	68,692
De Soto	3,255	2,856	399	8,828	7,711	1,117
Forrest	71,688	53,663	18,025	195,360	144,890	50,470
Franklin	99,120	55,000	44,120	272,036	148,500	123,536
George	81,661	55,270	26,391	223,124	149,229	73,895
Greene	152,366	91,513	60,853	417,473	247,085	170,388
Grenada	71,480	11,241	60,239	199,020	30,351	168,669
Hancock	88,966	73,286	15,680	241,776	197,872	43,904
Harrison	112,672	93,274	19,398	306,154	251,840	54,314
Hinds	121,229	49,368	71,861	334,505	133,294	201,211
Holmes	97,098	22,887	74,211	269,586	61,795	207,791
Humphreys	3,044	2,773	271	8,246	7,487	759
Issaquena	41,483	7,199	34,284	115,432	19,437	95,995
Itawamba	86,499	33,283	53,216	238,869	89,864	149,005
Jackson	82,700	68,357	14,343	224,724	184,564	40,160
Jasper	94,471	52,829	41,642	259,236	142,638	116,598
Jefferson	98,693	31,278	67,415	273,213	84,451	188,762
Jefferson Davis	48,141	37,138	11,003	131,081	100,273	30,808
Jones	86,575	52,161	34,414	237,194	140,835	96,359
Kemper	179,604	75,305	104,299	495,361	203,324	292,037
Lafayette	57,733	49,226	8,507	156,730	132,910	23,820
Lamar	56,885	40,876	16,009	155,190	110,365	44,825
Lauderdale	157,319	71,167	86,152	433,377	192,151	241,226
Lawrence	115,956	78,340	37,616	316,843	211,518	105,325
Leake	98,231	58,073	40,158	269,239	156,797	112,442
Lee	11,177	9,235	1,942	30,373	24,935	5,438
Leflore	2,329	101	2,228	6,511	273	6,238
Lincoln	131,843	81,407	50,436	361,020	219,799	141,221
Lowndes	61,821	18,796	43,025	171,219	50,749	120,470
Madison	55,399	26,031	29,368	152,514	70,284	82,230
Marion	61,919	44,186	17,733	168,954	119,302	49,652
Marshall	58,574	13,853	44,721	162,622	37,403	125,219
Monroe	94,047	29,354	64,693	260,396	79,256	181,140
Montgomery	49,621	7,048	42,573	138,234	19,030	119,204

Continued

Table 13—Roundwood pulpwood production in Mississippi, 1994—Continued

County ^a	All species			All species		
	Softwood	Hardwood		Softwood	Hardwood	
	<i>Standard cords</i>			<i>Green tons</i>		
Neshoba	90,645	42,961	47,684	249,510	115,995	133,515
Newton	94,675	45,289	49,386	260,561	122,280	138,281
Noxubee	50,233	22,312	27,921	138,421	60,242	78,179
Oktibbeha	31,408	23,718	7,690	85,571	64,039	21,532
Panola	37,614	17,640	19,974	103,555	47,628	55,927
Pearl River	129,683	89,499	40,184	354,162	241,647	112,515
Perry	80,015	59,786	20,229	218,063	161,422	56,641
Pike	66,991	46,950	20,041	182,880	126,765	56,115
Pontotoc	27,682	18,044	9,638	75,705	48,719	26,986
Prentiss	68,594	19,521	49,073	190,111	52,707	137,404
Quitman	111	71	40	304	192	112
Rankin	118,616	69,071	49,545	325,218	186,492	138,726
Scott	93,750	67,434	26,316	255,757	182,072	73,685
Sharkey	5,484	2,070	3,414	15,148	5,589	9,559
Simpson	93,171	54,187	38,984	255,460	146,305	109,155
Smith	66,945	49,892	17,053	182,456	134,708	47,748
Stone	84,553	67,328	17,225	230,016	181,786	48,230
Sunflower	578	543	35	1,564	1,466	98
Tallahatchie	10,774	3,667	7,107	29,801	9,901	19,900
Tate	3,030	1,056	1,974	8,378	2,851	5,527
Tippah	85,404	42,411	42,993	234,890	114,510	120,380
Tishomingo	78,334	40,284	38,050	215,307	108,767	106,540
Tunica	10	0	10	28	0	28
Union	16,199	5,865	10,334	44,771	15,836	28,935
Walthall	50,113	34,579	15,534	136,858	93,363	43,495
Warren	48,514	6,941	41,573	135,145	18,741	116,404
Washington	324	96	228	897	259	638
Wayne	156,161	87,892	68,269	428,461	237,308	191,153
Webster	35,068	14,442	20,626	96,746	38,993	57,753
Wilkinson	67,859	36,308	31,551	186,375	98,032	88,343
Winston	57,534	31,168	26,366	157,979	84,154	73,825
Yalobusha	39,979	25,395	14,584	109,402	68,567	40,835
Yazoo	41,282	14,869	26,413	114,102	40,146	73,956
All counties	5,589,472	2,966,116	2,623,356	13,938,951	7,412,695	6,526,256

^a Counties with no pulpwood production are omitted.

Table 14—Roundwood pulpwood production in North Carolina, 1994

County ^a	All species			All species		
	Softwood	Hardwood		Softwood	Hardwood	
	<i>Standard cords</i>			<i>Green tons</i>		
Alamance	7,312	7,018	294	19,772	18,949	823
Alexander	18,299	11,044	7,255	50,133	29,819	20,314
Alleghany	1,199	146	1,053	3,342	394	2,948
Anson	65,018	48,319	16,699	177,218	130,461	46,757
Ashe	2,137	698	1,439	5,914	1,885	4,029
Avery	7,577	2,583	4,994	20,957	6,974	13,983
Beaufort	209,356	126,006	83,350	573,596	340,216	233,380
Bertie	135,801	59,459	76,342	374,297	160,539	213,758
Bladen	135,266	77,250	58,016	371,020	208,575	162,445
Brunswick	127,487	100,609	26,878	346,902	271,644	75,258
Buncombe	75,017	30,642	44,375	206,983	82,733	124,250
Burke	63,189	32,103	31,086	173,719	86,678	87,041
Cabarrus	24,099	14,081	10,018	66,069	38,019	28,050
Caldwell	28,397	12,947	15,450	78,217	34,957	43,260
Camden	15,814	3,540	12,274	43,925	9,558	34,367
Carteret	63,466	42,548	20,918	173,450	114,880	58,570
Caswell	14,943	1,195	13,748	41,721	3,227	38,494
Catawba	11,374	6,403	4,971	31,207	17,288	13,919
Chatham	9,820	3,398	6,422	27,157	9,175	17,982
Cherokee	45,211	18,980	26,231	124,693	51,246	73,447
Chowan	32,509	12,771	19,738	89,748	34,482	55,266
Clay	8,841	2,751	6,090	24,480	7,428	17,052
Cleveland	61,021	38,709	22,312	166,988	104,514	62,474
Columbus	192,178	133,632	58,546	524,735	360,806	163,929
Craven	138,792	107,772	31,020	377,840	290,984	86,856
Cumberland	66,716	49,507	17,209	181,854	133,669	48,185
Currituck	26,563	9,551	17,012	73,422	25,788	47,634
Dare	784	184	600	2,177	497	1,680
Davidson	8,816	8,624	192	23,823	23,285	538
Davie	6,228	2,071	4,157	17,232	5,592	11,640
Duplin	104,379	55,942	48,437	286,667	151,043	135,624
Durham	2,447	2,447	0	6,607	6,607	0
Edgecombe	42,916	15,286	27,630	118,636	41,272	77,364
Forsyth	319	46	273	888	124	764
Franklin	39,540	26,145	13,395	108,098	70,592	37,506
Gaston	2,311	2,179	132	6,253	5,883	370
Gates	122,775	52,647	70,128	338,505	142,147	196,358
Graham	8,089	3,559	4,530	22,293	9,609	12,684
Granville	25,537	17,419	8,118	69,761	47,031	22,730
Greene	23,950	3,081	20,869	66,752	8,319	58,433
Guilford	7,719	2,667	5,052	21,347	7,201	14,146
Halifax	114,255	51,205	63,050	314,794	138,254	176,540
Harnett	38,334	36,942	1,392	103,641	99,743	3,898
Haywood	78,790	32,328	46,462	217,380	87,286	130,094
Henderson	8,721	3,260	5,461	24,093	8,802	15,291
Hertford	103,757	61,855	41,902	284,335	167,009	117,326
Hoke	16,594	10,605	5,989	45,403	28,634	16,769
Hyde	25,083	17,567	7,516	68,476	47,431	21,045
Iredell	35,295	24,944	10,351	96,332	67,349	28,983
Jackson	22,395	10,492	11,903	61,656	28,328	33,328
Johnston	84,526	42,056	42,470	232,467	113,551	118,916
Jones	72,190	39,648	32,542	198,168	107,050	91,118

Continued

Table 14—Roundwood pulpwood production in North Carolina, 1994—Continued

County ^a	All species			All species		
	Softwood	Hardwood		Softwood	Hardwood	
	<i>Standard cords</i>			<i>Green tons</i>		
Lee	19,360	13,339	6,021	52,874	36,015	16,859
Lenoir	75,179	34,251	40,928	207,076	92,478	114,598
Lincoln	39,095	22,868	16,227	107,180	61,744	45,436
McDowell	50,654	20,952	29,702	139,736	56,570	83,166
Macon	30,003	11,799	18,204	82,828	31,857	50,971
Madison	26,041	9,685	16,356	71,947	26,150	45,797
Martin	61,663	38,944	22,719	168,762	105,149	63,613
Mecklenburg	4,594	2,990	1,604	12,564	8,073	4,491
Mitchell	6,732	2,619	4,113	18,587	7,071	11,516
Montgomery	63,199	29,320	33,879	174,025	79,164	94,861
Moore	104,892	69,344	35,548	286,763	187,229	99,534
Nash	50,567	22,440	28,127	139,344	60,588	78,756
New Hanover	31,428	26,005	5,423	85,398	70,214	15,184
Northampton	87,054	22,022	65,032	241,549	59,459	182,090
Onslow	83,396	49,001	34,395	228,609	132,303	96,306
Orange	6,204	5,749	455	16,796	15,522	1,274
Pamlico	44,721	27,349	17,372	122,484	73,842	48,642
Pasquotank	14,593	2,636	11,957	40,597	7,117	33,480
Pender	130,534	86,634	43,900	356,832	233,912	122,920
Perquimans	27,751	14,973	12,778	76,205	40,427	35,778
Person	24,408	8,442	15,966	67,498	22,793	44,705
Pitt	53,743	31,004	22,739	147,380	83,711	63,669
Polk	32,696	24,133	8,563	89,135	65,159	23,976
Randolph	3,352	2,258	1,094	9,160	6,097	3,063
Richmond	36,460	33,409	3,051	98,747	90,204	8,543
Robeson	86,524	52,776	33,748	236,989	142,495	94,494
Rockingham	13,571	5	13,566	37,999	14	37,985
Rowan	20,657	7,713	12,944	57,068	20,825	36,243
Rutherford	102,911	59,670	43,241	282,184	161,109	121,075
Sampson	117,960	75,447	42,513	322,743	203,707	119,036
Scotland	28,036	16,883	11,153	76,812	45,584	31,228
Stanly	7,035	6,477	558	19,050	17,488	1,562
Stokes	15,352	226	15,126	42,963	610	42,353
Surry	14,283	4,677	9,606	39,525	12,628	26,897
Swain	19,148	8,064	11,084	52,808	21,773	31,035
Transylvania	9,578	3,294	6,284	26,489	8,894	17,595
Tyrrell	44,147	31,637	12,510	120,448	85,420	35,028
Union	58,005	10,067	47,938	161,407	27,181	134,226
Vance	29,190	22,263	6,927	79,506	60,110	19,396
Wake	100,305	35,416	64,889	277,312	95,623	181,689
Warren	50,072	32,194	17,878	136,982	86,924	50,058
Washington	41,400	24,076	17,324	113,512	65,005	48,507
Watauga	1,029	0	1,029	2,881	0	2,881
Wayne	95,487	53,115	42,372	262,053	143,411	118,642
Wilkes	29,440	11,641	17,799	81,268	31,431	49,837
Wilson	25,334	6,008	19,326	70,335	16,222	54,113
Yadkin	2,085	436	1,649	5,794	1,177	4,617
Yancey	6,097	2,584	3,513	16,813	6,977	9,836
All counties	4,609,117	2,553,696	2,055,421	12,650,160	6,894,983	5,755,177

^a Counties with no pulpwood production are omitted.

Table 15—Roundwood pulpwood production in Oklahoma, 1994

County ^a	All species			All species		
	Softwood	Hardwood		Softwood	Hardwood	
	<i>Standard cords</i>			<i>Green tons</i>		
Choctaw	2,400	2,400	0	6,480	6,480	0
Le Flore	16,293	16,293	0	43,991	43,991	0
McCurtain	271,249	216,378	54,871	737,859	584,221	153,639
Pushmataha	23,475	5,235	18,240	65,207	14,135	51,072
All counties	313,417	240,306	73,111	853,537	648,826	204,711

^a Counties with no pulpwood production are omitted.

Table 16—Roundwood pulpwood production in South Carolina, 1994

County ^a	All species			All species		
	Softwood	Hardwood		Softwood	Hardwood	
	<i>Standard cords</i>					
Abbeville	59,409	32,990	26,419	163,046	89,073	73,973
Aiken	124,609	95,300	29,309	339,375	257,310	82,065
Allendale	72,965	56,659	16,306	198,636	152,979	45,657
Anderson	17,178	8,579	8,599	47,240	23,163	24,077
Bamberg	56,794	34,859	21,935	155,537	94,119	61,418
Barnwell	101,042	66,539	34,503	276,263	179,655	96,608
Beaufort	70,873	52,025	18,848	193,242	140,468	52,774
Berkeley	72,237	65,075	7,162	195,757	175,703	20,054
Calhoun	31,420	20,686	10,734	85,907	55,852	30,055
Charleston	69,728	61,101	8,627	189,129	164,973	24,156
Cherokee	64,992	58,592	6,400	176,118	158,198	17,920
Chester	181,985	139,346	42,639	495,623	376,234	119,389
Chesterfield	171,417	105,555	65,862	469,413	284,999	184,414
Clarendon	42,069	30,955	11,114	114,698	83,579	31,119
Colleton	121,332	86,340	34,992	331,096	233,118	97,978
Darlington	42,748	20,905	21,843	117,604	56,444	61,160
Dillon	55,195	18,920	36,275	152,654	51,084	101,570
Dorchester	89,313	71,359	17,954	242,940	192,669	50,271
Edgefield	114,724	76,655	38,069	313,562	206,969	106,593
Fairfield	181,013	143,491	37,522	492,488	387,426	105,062
Florence	106,087	68,296	37,791	290,214	184,399	105,815
Georgetown	180,307	154,232	26,075	489,436	416,426	73,010
Greenville	44,556	27,776	16,780	121,979	74,995	46,984
Greenwood	90,269	57,019	33,250	247,051	153,951	93,100
Hampton	160,586	113,370	47,216	438,304	306,099	132,205
Horry	175,813	115,079	60,734	480,768	310,713	170,055
Jasper	77,004	50,932	26,072	210,518	137,516	73,002
Kershaw	191,736	164,142	27,594	520,446	443,183	77,263
Lancaster	97,847	74,700	23,147	266,502	201,690	64,812
Laurens	95,801	77,892	17,909	260,453	210,308	50,145
Lee	20,837	12,558	8,279	57,088	33,907	23,181
Lexington	74,169	47,875	26,294	202,886	129,263	73,623
McCormick	55,637	33,556	22,081	152,428	90,601	61,827
Marion	113,045	74,916	38,129	309,034	202,273	106,761
Marlboro	77,216	40,547	36,669	212,150	109,477	102,673
Newberry	255,923	142,172	113,751	702,367	383,864	318,503
Oconee	71,283	53,620	17,663	194,230	144,774	49,456
Orangeburg	175,646	80,460	95,186	483,763	217,242	266,521
Pickens	23,415	9,454	13,961	64,617	25,526	39,091
Richland	81,496	55,359	26,137	222,653	149,469	73,184
Saluda	72,728	52,862	19,866	198,352	142,727	55,625
Spartanburg	171,479	135,173	36,306	466,624	364,967	101,657
Sumter	51,538	33,914	17,624	140,915	91,568	49,347
Union	111,530	84,257	27,273	303,858	227,494	76,364
Williamsburg	149,850	118,372	31,478	407,742	319,604	88,138
York	88,664	78,041	10,623	240,455	210,711	29,744
All counties	4,555,505	3,202,505	1,353,000	12,435,161	8,646,762	3,788,399

^a Counties with no pulpwood production are omitted.

Table 17—Roundwood pulpwood production in Tennessee, 1994

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Anderson	8,416	2,490	5,926	23,316	6,723	16,593
Benton	25,380	6,916	18,464	70,372	18,673	51,699
Bledsoe	30,035	16,629	13,406	82,435	44,898	37,537
Blount	22,149	20,635	1,514	59,954	55,715	4,239
Bradley	25,993	18,991	7,002	70,882	51,276	19,606
Cannon	1,362	0	1,362	3,814	0	3,814
Carroll	15,783	5,327	10,456	43,660	14,383	29,277
Carter	3,937	0	3,937	11,024	0	11,024
Chester	16,946	7,634	9,312	46,686	20,612	26,074
Claiborne	2,200	24	2,176	6,158	65	6,093
Clay	2,135	12	2,123	5,976	32	5,944
Cocke	19,713	6,029	13,684	54,593	16,278	38,315
Coffee	5,015	5	5,010	14,042	14	14,028
Crockett	26	26	0	70	70	0
Cumberland	30,385	19,526	10,859	83,125	52,720	30,405
Decatur	6,191	888	5,303	17,246	2,398	14,848
Fayette	14	14	0	38	38	0
Fentress	6,092	6,040	52	16,454	16,308	146
Franklin	10,105	169	9,936	28,277	456	27,821
Gibson	471	30	441	1,316	81	1,235
Giles	17,956	9,832	8,124	49,293	26,546	22,747
Grainger	975	0	975	2,730	0	2,730
Greene	13,647	2,385	11,262	37,974	6,440	31,534
Grundy	33,944	10,975	22,969	93,946	29,633	64,313
Hamblen	126	0	126	353	0	353
Hamilton	44,260	37,454	6,806	120,183	101,126	19,057
Hancock	3,043	0	3,043	8,520	0	8,520
Hardeman	22,875	7,463	15,412	63,304	20,150	43,154
Hardin	51,710	26,476	25,234	142,140	71,485	70,655
Hawkins	5,332	0	5,332	14,930	0	14,930
Haywood	2	2	0	5	5	0
Henderson	5,329	2,405	2,924	14,681	6,494	8,187
Henry	21,524	3,799	17,725	59,887	10,257	49,630
Hickman	57,722	4,423	53,299	161,179	11,942	149,237
Houston	7,056	434	6,622	19,714	1,172	18,542
Humphreys	17,116	298	16,818	47,895	805	47,090
Johnson	2,647	0	2,647	7,412	0	7,412
Knox	3,023	3,002	21	8,164	8,105	59
Lawrence	24,229	9,512	14,717	66,890	25,682	41,208
Lewis	32,817	9,049	23,768	90,982	24,432	66,550
Lincoln	5,410	144	5,266	15,134	389	14,745
Loudon	1,231	693	538	3,377	1,871	1,506
McMinn	60,427	49,727	10,700	164,223	134,263	29,960
McNairy	76,750	36,988	39,762	211,202	99,868	111,334
Macon	337	48	289	939	130	809
Madison	1,594	219	1,375	4,441	591	3,850
Marion	32,973	10,081	22,892	91,317	27,219	64,098
Marshall	20	0	20	56	0	56

Continued

Table 17—Roundwood pulpwood production in Tennessee, 1994—Continued

County ^a	All			All		
	species	Softwood	Hardwood	species	Softwood	Hardwood
	<i>Standard cords</i>			<i>Green tons</i>		
Maury	559	28	531	1,563	76	1,487
Meigs	44,139	32,224	11,915	120,367	87,005	33,362
Monroe	49,883	39,498	10,385	135,723	106,645	29,078
Montgomery	3,932	2,961	971	10,714	7,995	2,719
Moore	114	0	114	319	0	319
Morgan	23,359	18,200	5,159	63,585	49,140	14,445
Overton	4,163	1,002	3,161	11,556	2,705	8,851
Perry	46,021	2,147	43,874	128,644	5,797	122,847
Pickett	1,644	0	1,644	4,603	0	4,603
Polk	23,600	18,044	5,556	64,276	48,719	15,557
Putnam	3,638	475	3,163	10,139	1,283	8,856
Rhea	42,453	36,068	6,385	115,262	97,384	17,878
Roane	50,964	42,897	8,067	138,410	115,822	22,588
Scott	2,300	1,457	843	6,294	3,934	2,360
Sequatchie	39,939	29,590	10,349	108,870	79,893	28,977
Sevier	6,830	3,786	3,044	18,745	10,222	8,523
Shelby	913	913	0	2,465	2,465	0
Smith	109	0	109	305	0	305
Stewart	31,646	1,635	30,011	88,446	4,415	84,031
Sullivan	524	0	524	1,467	0	1,467
Tipton	669	0	669	1,873	0	1,873
Unicoi	8,488	2,153	6,335	23,551	5,813	17,738
Van Buren	26,200	16,502	9,698	71,709	44,555	27,154
Warren	9,060	0	9,060	25,368	0	25,368
Washington	805	0	805	2,254	0	2,254
Wayne	114,554	25,005	89,549	318,251	67,514	250,737
Weakley	34,114	11,375	22,739	94,382	30,713	63,669
White	12,331	1,358	10,973	34,391	3,667	30,724
Williamson	4,120	4,120	0	11,124	11,124	0
All counties	1,151,935	521,283	630,652	3,173,294	1,407,468	1,765,826

^a Counties with no pulpwood production are omitted.

Table 18—Roundwood pulpwood production in Texas, 1994

County ^a	All species			All species		
	Softwood	Hardwood		Softwood	Hardwood	
	<i>Standard cords</i>			<i>Green tons</i>		
Anderson	7,609	6,513	1,096	20,654	17,585	3,069
Angelina	58,222	58,132	90	157,208	156,956	252
Bowie	37,562	20,704	16,858	103,103	55,901	47,202
Camp	11,139	8,444	2,695	30,345	22,799	7,546
Cass	157,696	59,948	97,748	435,554	161,860	273,694
Chambers	1,123	1,123	0	3,032	3,032	0
Cherokee	70,341	58,741	11,600	191,081	158,601	32,480
Franklin	2,807	892	1,915	7,770	2,408	5,362
Gregg	7,711	3,470	4,241	21,244	9,369	11,875
Grimes	9,337	9,337	0	25,210	25,210	0
Hardin	110,247	96,552	13,695	299,036	260,690	38,346
Harris	10,615	10,586	29	28,663	28,582	81
Harrison	134,424	75,190	59,234	368,868	203,013	165,855
Henderson	285	168	117	782	454	328
Hopkins	1,854	912	942	5,100	2,462	2,638
Houston	32,969	32,969	0	89,016	89,016	0
Jasper	136,720	126,939	9,781	370,122	342,735	27,387
Jefferson	5,921	5,447	474	16,034	14,707	1,327
Leon	3,228	3,228	0	8,716	8,716	0
Liberty	33,744	32,942	802	91,189	88,943	2,246
Marion	88,978	52,030	36,948	243,935	140,481	103,454
Montgomery	76,193	72,429	3,764	206,097	195,558	10,539
Morris	8,832	2,606	6,226	24,469	7,036	17,433
Nacogdoches	44,766	35,680	9,086	121,777	96,336	25,441
Newton	104,174	98,877	5,297	281,800	266,968	14,832
Orange	27,729	24,345	3,384	75,207	65,732	9,475
Panola	123,669	81,098	42,571	338,164	218,965	119,199
Polk	171,618	171,481	137	463,383	462,999	384
Red River	30,795	16,410	14,385	84,585	44,307	40,278
Rusk	35,002	23,343	11,659	95,671	63,026	32,645
Sabine	12,837	10,333	2,504	34,910	27,899	7,011
San Augustine	26,307	20,463	5,844	71,613	55,250	16,363
San Jacinto	36,130	35,271	859	97,637	95,232	2,405
Shelby	117,247	84,607	32,640	319,831	228,439	91,392
Smith	22,954	10,058	12,896	63,266	27,157	36,109
Titus	31,090	14,178	16,912	85,635	38,281	47,354
Trinity	66,194	66,194	0	178,724	178,724	0
Tyler	88,352	85,477	2,875	238,838	230,788	8,050
Upshur	52,227	24,361	27,866	143,800	65,775	78,025
Van Zandt	90	0	90	252	0	252
Walker	15,459	15,459	0	41,739	41,739	0
Waller	2,404	2,404	0	6,491	6,491	0
Wood	25,359	6,062	19,297	70,399	16,367	54,032
All counties	2,041,960	1,565,403	476,557	5,560,950	4,226,589	1,334,361

^a Counties with no pulpwood production are omitted.

Table 19—Roundwood pulpwood production in Virginia, 1994

County ^a	All species			All species		
	Softwood	Hardwood		Softwood	Hardwood	
	<i>Standard cords</i>			<i>Green tons</i>		
Accomack	13,734	9,029	4,705	37,552	24,378	13,174
Albemarle	45,019	33,852	11,167	122,668	91,400	31,268
Alleghany	17,315	3,301	14,014	48,152	8,913	39,239
Amelia	117,439	48,453	68,986	323,984	130,823	193,161
Amherst	38,468	23,171	15,297	105,394	62,562	42,832
Appomattox	81,893	59,059	22,834	223,394	159,459	63,935
Arlington	399	222	177	1,095	599	496
Augusta	6,800	2,296	4,504	18,810	6,199	12,611
Bath	17,605	2,737	14,868	49,020	7,390	41,630
Bedford	47,294	9,642	37,652	131,459	26,033	105,426
Bland	789	0	789	2,209	0	2,209
Botetourt	18,048	8,078	9,970	49,727	21,811	27,916
Brunswick	194,534	143,050	51,484	530,390	386,235	144,155
Buchanan	740	0	740	2,072	0	2,072
Buckingham	168,340	138,317	30,023	457,520	373,456	84,064
Campbell	89,228	73,863	15,365	242,452	199,430	43,022
Caroline	42,142	26,576	15,566	115,340	71,755	43,585
Carroll	13,726	2,491	11,235	38,184	6,726	31,458
Charles City	25,987	15,171	10,816	71,247	40,962	30,285
Charlotte	111,991	62,837	49,154	307,291	169,660	137,631
Chesapeake	18,214	13,655	4,559	49,634	36,869	12,765
Chesterfield	32,336	27,980	4,356	87,743	75,546	12,197
Clarke	94	1	93	263	3	260
Craig	8,339	2,312	6,027	23,118	6,242	16,876
Culpeper	8,702	6,837	1,865	23,682	18,460	5,222
Cumberland	46,394	26,702	19,692	127,233	72,095	55,138
Dickenson	2,708	0	2,708	7,582	0	7,582
Dinwiddie	48,723	33,006	15,717	133,124	89,116	44,008
Essex	16,523	9,920	6,603	45,272	26,784	18,488
Fairfax	5,592	4,121	1,471	15,246	11,127	4,119
Fauquier	9,600	3,005	6,595	26,580	8,114	18,466
Floyd	881	383	498	2,428	1,034	1,394
Fluvanna	23,601	13,006	10,595	64,782	35,116	29,666
Franklin	37,936	26,284	11,652	103,593	70,967	32,626
Frederick	25,306	16,294	9,012	69,228	43,994	25,234
Giles	1,766	127	1,639	4,932	343	4,589
Gloucester	28,658	21,272	7,386	78,115	57,434	20,681
Goochland	42,139	31,403	10,736	114,849	84,788	30,061
Grayson	1,236	813	423	3,379	2,195	1,184
Greene	361	9	352	1,010	24	986
Greensville	42,467	31,012	11,455	115,806	83,732	32,074
Halifax	42,159	13,888	28,271	116,657	37,498	79,159
Hanover	32,532	25,089	7,443	88,580	67,740	20,840
Henrico	7,036	5,553	1,483	19,145	14,993	4,152
Henry	3,046	48	2,998	8,524	130	8,394
Highland	11,092	739	10,353	30,983	1,995	28,988
Isle Of Wight	26,006	9,264	16,742	71,891	25,013	46,878
James City	14,246	5,040	9,206	39,385	13,608	25,777
King And Queen	47,714	35,033	12,681	130,096	94,589	35,507
King George	3,402	2,342	1,060	9,291	6,323	2,968
King William	20,795	14,360	6,435	56,790	38,772	18,018

Continued

Table 19—Roundwood pulpwood production in Virginia, 1994—Continued

County ^a	All species			All species		
	Softwood	Hardwood		Softwood	Hardwood	
	<i>Standard cords</i>			<i>Green tons</i>		
Lancaster	13,939	8,346	5,593	38,194	22,534	15,660
Lee	15,416	0	15,416	43,165	0	43,165
Loudoun	1,096	384	712	3,031	1,037	1,994
Louisa	42,115	24,864	17,251	115,436	67,133	48,303
Lunenburg	48,227	29,559	18,668	132,079	79,809	52,270
Madison	3,758	1,321	2,437	10,391	3,567	6,824
Mathews	4,863	2,945	1,918	13,322	7,952	5,370
Mecklenburg	53,929	22,004	31,925	148,801	59,411	89,390
Middlesex	4,448	2,715	1,733	12,183	7,331	4,852
Montgomery	3,679	105	3,574	10,291	284	10,007
Nelson	29,238	13,636	15,602	80,503	36,817	43,686
New Kent	29,174	22,190	6,984	79,468	59,913	19,555
Newport News	2,665	923	1,742	7,370	2,492	4,878
Northampton	1,746	900	846	4,799	2,430	2,369
Northumberland	2,856	646	2,210	7,932	1,744	6,188
Nottoway	26,324	16,415	9,909	72,066	44,321	27,745
Orange	20,062	16,708	3,354	54,503	45,112	9,391
Page	131	28	103	364	76	288
Patrick	1,654	0	1,654	4,631	0	4,631
Pittsylvania	64,465	41,106	23,359	176,391	110,986	65,405
Powhatan	39,953	36,313	3,640	108,237	98,045	10,192
Prince Edward	49,841	38,763	11,078	135,678	104,660	31,018
Prince George	40,574	35,816	4,758	110,025	96,703	13,322
Prince William	1,842	717	1,125	5,086	1,936	3,150
Pulaski	2,008	409	1,599	5,581	1,104	4,477
Rappahannock	15	8	7	42	22	20
Richmond	19,404	12,671	6,733	53,064	34,212	18,852
Roanoke	1,895	500	1,395	5,256	1,350	3,906
Rockbridge	36,233	10,089	26,144	100,443	27,240	73,203
Rockingham	10,867	1,979	8,888	30,229	5,343	24,886
Russell	8,145	0	8,145	22,806	0	22,806
Scott	17,644	0	17,644	49,403	0	49,403
Shenandoah	4,848	2,920	1,928	13,282	7,884	5,398
Smyth	2,101	0	2,101	5,883	0	5,883
Southampton	76,021	42,823	33,198	208,576	115,622	92,954
Spotsylvania	40,693	32,363	8,330	110,704	87,380	23,324
Stafford	5,189	4,092	1,097	14,120	11,048	3,072
Suffolk	46,233	23,805	22,428	127,072	64,274	62,798
Surry	47,120	32,118	15,002	128,725	86,719	42,006
Sussex	89,519	57,871	31,648	244,866	156,252	88,614
Tazewell	1,014	15	999	2,838	41	2,797
Virginia Beach	7,191	1,238	5,953	20,011	3,343	16,668
Warren	2,028	654	1,374	5,613	1,766	3,847
Washington	11,985	0	11,985	33,558	0	33,558
Westmoreland	6,788	2,580	4,208	18,748	6,966	11,782
Wise	9,371	0	9,371	26,239	0	26,239
Wythe	2,387	0	2,387	6,684	0	6,684
York	2,617	1,350	1,267	7,193	3,645	3,548
All counties	2,614,406	1,585,532	1,028,874	7,161,783	4,280,939	2,880,844

^a Counties with no pulpwood production are omitted.

Table 20—Southern pulpmills, by process and capacity, 1994

Location	Map code ^a	Company	Pulping capacity, 24 hours ^b				
			All processes	Sulfate	Groundwood and other mechanical	Semi-chemical	Soda and sulfite
<i>Tons</i>							
ALABAMA							
Clairborne ^c	[1,2,3]	Alabama River Companies	3,250	2,650	600	0	0
Jackson	[4]	Boise Cascade Paper Group	600	600	0	0	0
Courtland	[5]	Champion International Corporation	2,350	2,350	0	0	0
Demopolis	[6]	Gulf States Paper Corporation	900	900	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]	James River Corporation	1,450	1,450	0	0	0
Brewton	[10]	Jefferson Smurfit/CCA	1,300	1,300	0	0	0
Coosa Pines	[11]	Kimberly-Clark Corporation	2,040	1,100	940	0	0
Pine Hill	[12]	MacMillan Bloedel, Incorporated	1,680	1,100	0	580	0
Mahrt	[13]	Mead Coated Board, Incorporated	2,000	2,000	0	0	0
Stevenson	[14]	Mead Corporation	1,030	0	0	1,030	0
Mobile	[15]	Scott Paper Company	1,700	1,700	0	0	0
Pratville	[16]	Union Camp Corporation	2,525	2,525	0	0	0
Total			23,700	20,250	1,840	1,610	0
ARKANSAS							
Pine Bluff	[17]	Gaylord Container Corporation	380	380	0	0	0
Ashdown	[18]	Georgia-Pacific Corporation	2,450	2,450	0	0	0
Crossett	[19]	Georgia-Pacific Corporation	1,650	1,650	0	0	0
Little Rock	[20]	Georgia-Pacific Corporation	140	0	140	0	0
Morrilton	[21]	Green Bay Packaging, Incorporated	800	800	0	0	0
Camden	[22]	International Paper Company	750	750	0	0	0
Pine Bluff	[23]	International Paper Company	1,700	1,300	400	0	0
McGehee	[24]	Potlatch Corporation	655	655	0	0	0
Total			8,525	7,985	540	0	0
FLORIDA							
Perry	[25]	Buckeye Florida	1,125	1,125	0	0	0
Cantonment	[26]	Champion International Corporation	1,510	1,510	0	0	0
Palatka	[27]	Georgia-Pacific Corporation	1,350	1,350	0	0	0
Fernandina Beach	[28]	Rayonier, Incorporated	470	0	0	0	470
Fernandina Beach	[29]	Jefferson Smurfit Corporation/CCA	2,400	2,400	0	0	0
Jacksonville	[30]	Jefferson Smurfit Corporation	1,000	1,000	0	0	0
Port St. Joe	[31]	St. Joe Forest Products Company	1,700	1,700	0	0	0
Panama City	[32]	Stone Container Corporation	1,700	1,700	0	0	0
Total			11,255	10,785	0	0	470
GEORGIA							
Augusta	[33]	Augusta Newsprint Company	1,550	0	1,550	0	0
Augusta	[34]	Federal Paper Board Company	2,250	2,250	0	0	0
Brunswick	[35]	Georgia-Pacific Corporation	2,150	2,150	0	0	0
Cedar Springs	[36]	Georgia-Pacific Corporation	3,005	2,490	0	515	0
St. Marys	[37]	Gilman Paper Company	1,200	1,200	0	0	0
Rome	[38]	Inland-Rome, Incorporated	2,300	2,300	0	0	0
Riceboro	[39]	Interstate Paper Corporation	680	680	0	0	0
Jesup	[40]	I.T.T. Rayonier, Incorporated	1,620	1,620	0	0	0
Clyattville	[41]	Packaging Corporation of America	1,130	1,130	0	0	0
Macon	[42]	Riverwood International Georgia, Incorporated	1,000	1,000	0	0	0
Port Wentworth	[43]	Stone Savannah Pulp and Paper Corporation	1,590	1,590	0	0	0
Savannah	[44]	Union Camp Corporation	3,000	3,000	0	0	0
Oglethorpe	[45]	Weyerhaeuser Paper Company	750	750	0	0	0
Total			22,225	20,160	1,550	515	0

Continued

Table 20—Southern pulpmills, by process and capacity, 1994—Continued

Location	Map code ^a	Company	Pulping capacity, 24 hours ^b				
			All processes	Sulfate	Groundwood and other mechanical	Semi-chemical	Soda and sulfite
<i>Tons</i>							
KENTUCKY							
Wickliffe	[46]	Westvaco Corporation	825	825	0	0	0
Hawesville	[47]	Willamette Industries	1,050	775	0	275	0
Total			1,875	1,600	0	275	0
LOUISIANA							
DeRidder	[48]	Boise Cascade Corporation	2,250	1,305	945	0	0
Bogalusa	[49]	Gaylord Container Corporation	2,150	2,150	0	0	0
Port Hudson	[50]	Georgia-Pacific Corporation	1,950	1,950	0	0	0
Bastrop	[51]	International Paper Company	1,300	1,300	0	0	0
Pineville	[52]	International Paper Company	1,100	1,100	0	0	0
Mansfield	[53]	International Paper Company	2,240	1,700	0	540	0
St. Francisville	[54]	James River Communication Papers	575	575	0	0	0
St. Francisville	[55]	James River Communication Papers	200	0	200	0	0
West Monroe	[56]	Riverwood International Corporation	2,000	1,600	0	400	0
Hodge	[57]	Stone Container Corporation	1,750	1,400	0	350	0
Campti	[58]	Willamette Industries, Incorporated	850	850	0	0	0
Total			16,365	13,930	1,145	1,290	0
MISSISSIPPI							
Monticello	[59]	Georgia-Pacific Corporation	2,500	2,500	0	0	0
New Augusta	[60]	Georgia-Pacific Corporation	1,550	1,550	0	0	0
Moss Point	[61]	International Paper Company	660	660	0	0	0
Natchez	[62]	International Paper Company	1,300	1,300	0	0	0
Vicksburg	[63]	International Paper Company	1,200	1,200	0	0	0
Grenada	[64]	Newsprint South	675	0	675	0	0
Columbus	[65]	Weyerhaeuser Company	1,540	1,320	0	220	0
Total			9,425	8,530	675	220	0
NORTH CAROLINA							
Roaring River	[66]	ABTco, Incorporated	475	0	475	0	0
Goldsboro	[67]	Celotex Corporation	100	0	100	0	0
Canton	[68]	Champion International Corporation	1,450	1,450	0	0	0
Roanoke Rapids	[69]	Champion International Corporation	1,300	1,300	0	0	0
Riegelwood	[70]	Federal Paper Board Company, Incorporated	2,400	2,400	0	0	0
Conway	[71]	Georgia-Pacific Corporation	200	0	200	0	0
New Bern	[72]	Weyerhaeuser Paper Company	840	840	0	0	0
Plymouth	[73]	Weyerhaeuser Paper Company	1,700	1,450	0	250	0
Total			8,465	7,440	775	250	0
OKLAHOMA							
Pryor	[74]	Georgia-Pacific Corporation	50	0	50	0	0
Valliant	[75]	Weyerhaeuser Company	2,150	1,650	0	500	0
Total			2,200	1,650	50	500	0
SOUTH CAROLINA							
Catawba	[76]	Bowater Incorporated	2,350	1,350	1,000	0	0
Georgetown	[77]	International Paper Company	1,750	1,650	0	100	0
Sellers	[78]	Masonite Corporation	450	0	450	0	0
Hartsville	[79]	Sonoco Products Company	300	0	0	300	0
Florence	[80]	Stone Container Corporation	1,530	1,530	0	0	0
Eastover	[81]	Union Camp Corporation	1,850	1,850	0	0	0
Charleston	[82]	Westvaco Corporation	2,400	2,400	0	0	0
Bennettsville	[83]	Willamette Industries, Incorporated	840	840	0	0	0
Total			11,470	9,620	1,450	400	0

Continued

Table 20—Southern pulpmills, by process and capacity, 1994—Continued

Location	Map code ^a	Company	Pulping capacity, 24 hours ^b				
			All processes	Sulfate	Groundwood and other mechanical	Semi-chemical	Soda and sulfite
<i>Tons</i>							
TENNESSEE							
Calhoun	[84]	Bowaters Southern Paper Corporation	2,530	1,000	1,530	0	0
New Johnsonville	[85]	Inland Container Corporation	400	0	0	400	0
Kingsport	[86]	Mead Corporation	360	0	0	0	360
Counce	[87]	Packaging Corporation of America	1,950	1,950	0	0	0
Knoxville	[88]	Tamko Asphalt Products, Incorporated	125	0	125	0	0
Total			5,365	2,950	1,655	400	360
TEXAS							
Houston	[89]	Champion International Corporation	1,725	575	1,150	0	0
Lufkin	[90]	Champion International Corporation	1,345	545	800	0	0
Texarkana	[91]	International Paper Company	1,550	1,550	0	0	0
Pasadena	[92]	Simpson Pasadena Paper Company	875	875	0	0	0
Orange	[93]	Temple-Orange, Incorporated	1,300	1,300	0	0	0
Diboll	[94]	Temple Inland Forest Products Corporation	1,500	0	1,500	0	0
Silsbee	[95]	Temple Inland Forest Products Corporation	1,750	1,750	0	0	0
Total			10,045	6,595	3,450	0	0
VIRGINIA							
Ashland	[96]	Bear Island Paper Company	475	0	475	0	0
West Point	[97]	Chesapeake Corporation	1,930	1,930	0	0	0
Jarratt	[98]	Georgia-Pacific Corporation	400	0	400	0	0
Big Island	[99]	Georgia-Pacific Corporation	600	0	0	600	0
Hopewell	[100]	Stone Container Corporation	1,050	1,050	0	0	0
Franklin	[101]	Union Camp Corporation	2,030	2,030	0	0	0
Riverville	[102]	Virginia Fiber Corporation	550	0	0	550	0
Covington	[103]	Westvaco Corporation	1,600	1,600	0	0	0
Danville	[104]	Wood Fiber Industries	330	0	330	0	0
Total			8,965	6,610	1,205	1,150	0
Total South			139,880	118,105	14,335	6,610	830

^a Corresponds to numbers at locations on the preceding mill capacity map.

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

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

Table 21—Other mills using southern pulpwood in 1994, by process and capacity

Location	Company	Pulping capacity, 24 hours ^a			
		All processes	Sulfate	Groundwood and other mechanical	Semi-chemical and sulfite
<i>Tons</i>					
Maryland					
Luke	Westvaco Corporation	898	898		
Ohio					
Coshocton	Stone Container Corporation	575			575
Pennsylvania					
Spring Grove	P.H. Glatfelter Company	560	560		
Mehoopany	Proctor and Gamble Paper Products	Unknown			
Erie	Interstate Paper Company	750			750

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



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Johnson, Tony G.; Howell, Michael 1996. Southern pulpwood production, 1994. Resour. Bull. SRS-1. Asheville, NC: U.S. Department of Agriculture, Forest Service, Southern Research Station. 32 p.

The South's production of pulpwood increased 2 percent to 68.5 million cords. Roundwood production increased to 47.8 million cords and accounted for 70 percent of the total pulpwood production. The use of residue increased 3 percent to 20.7 million cords. Alabama leads the South in total production, number of mills, and pulping capacity. Currently 104 mills are operating and drawing wood from the 13 Southern States. Southern mills' pulping capacity of 139,880 tons per day accounts for 69 percent of the nation's total pulping capacity.

KEYWORDS: Pulpmills, pulpwood, roundwood, residues, pulping capacity.

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Southern Research Station

Established 1921

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RESEARCH MISSION:

To acquire the knowledge, develop the technology, and disseminate the research findings required to manage the Southern forest resources in ways that satisfy demands of goods and services while maintaining a quality environment.