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Southern Pulpwood Production, 1992

Patrick E. Miller

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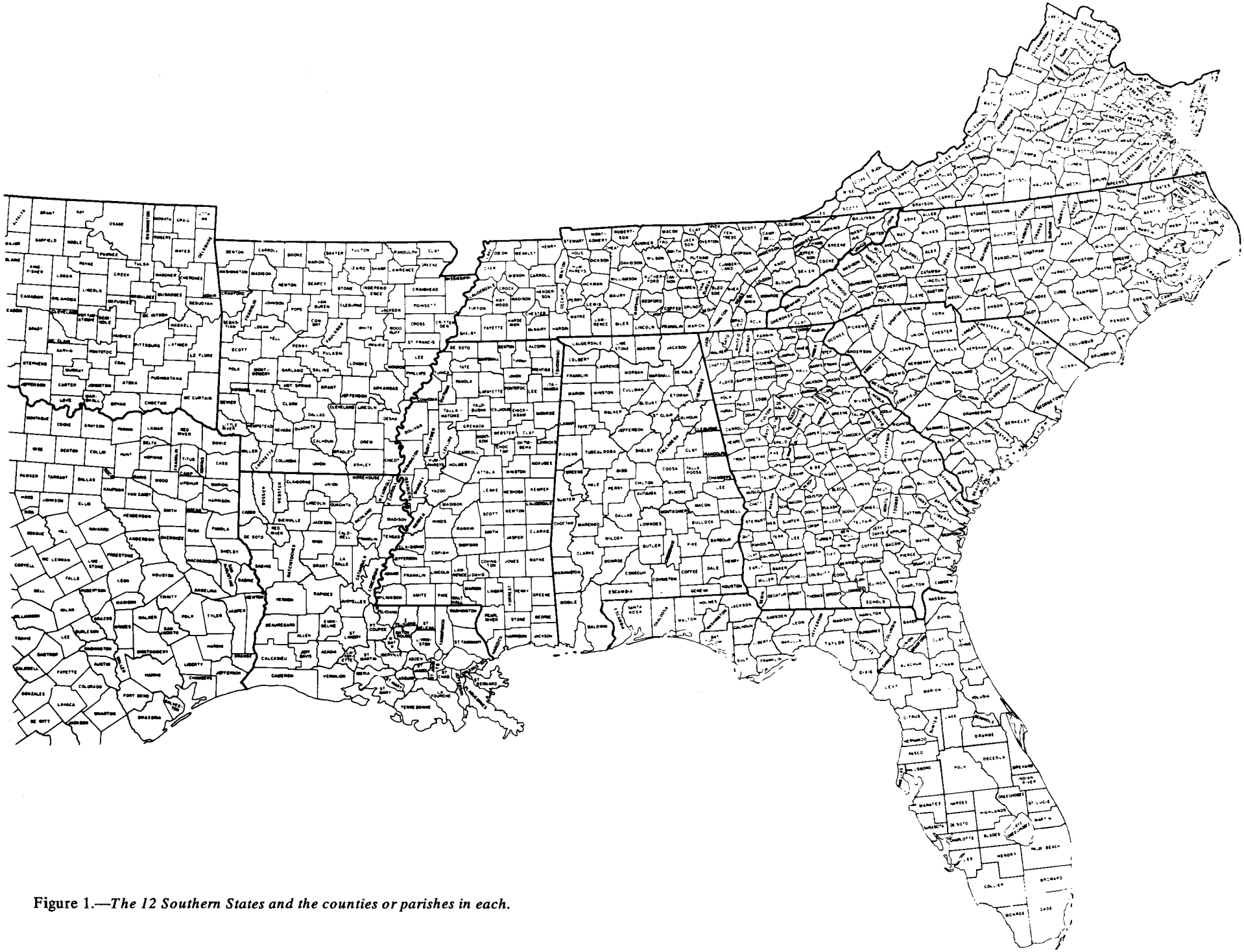

Figure 1.—*The 12 Southern States and the counties or parishes in each.*

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INTRODUCTION

This report, published annually, presents the results of a 100-percent canvass of all wood-using pulpmills drawing roundwood or wood residues from the 12 Southern States (fig. 1). The pulpwood canvass data are compiled and analyzed on an alternating basis by personnel from the USDA Forest Service, Southern and Southeastern Forest Experiment Stations. Of the total 103 mills canvassed, 102 responded. Past canvass data and other sources of information were used for the mill that did not respond. All production figures are reported in standard cords. When necessary, data for mills reporting in nonstandard units are converted to standard cords using regional conversion factors.

PULPWOOD

For the third year in a row, pulpwood production increased. A record number of 67.9 million cords were produced in 1992 (table 1), the highest total pulpwood production to date with a 4-percent increase over 1991's production of 65.1 million cords. Alabama ranked first in pulpwood production with 11.4 million cords, an increase of 14 percent since 1991. Second-ranked Georgia reported a production increase of 5 percent, with 10.2 million cords, while production in third-ranked Mississippi decreased by 7 percent, with 7.6 million cords. All States except Mississippi, North Carolina, Oklahoma, and Tennessee had production increases of 1 to 17 percent in 1992. The highest percentage increase was in South Carolina with 17 percent, while the largest percentage decrease, a 21-percent loss, was in Oklahoma.

Softwood roundwood accounted for 47 percent of the total pulpwood production, hardwood roundwood accounted for almost 23 percent, and the remainder was wood residues.

Since 1983, Southern pulpwood production increased by 20 percent. This increase in utilization reflects continuous mill improvements and enhancements and an increase in demand over the last 10 years (fig. 2). Softwood continued to be the primary species group used for pulpwood. The percentage of hardwood production increased from 28 percent in 1983 to almost 30 percent in 1992 (fig. 3). After 1983, the volume of softwood and hardwood production increased 18 and 25 percent, respectively.

Roundwood

Southern roundwood production increased 1 percent from 1991 to 1992 to a total of 47.3 million cords (table 2). Softwood roundwood comprised about 68 percent of the roundwood production, while hardwood roundwood comprised 32 percent. From 1991 to 1992, softwood roundwood production decreased by slightly less than 1 percent, and hardwood roundwood production increased by a little over 4 percent.

Alabama led roundwood production with 8.7 million cords, followed by Georgia with 7.0 million cords and Mississippi with 5.4 million cords (table 3). The total roundwood production for the three States made up about 45 percent of the total roundwood production for the Southern States. South Carolina had the highest increase with 18 percent, while Oklahoma had the highest decrease of 21 percent. The leader for softwood roundwood was Georgia with 5.5 million cords, even though this amount decreased from that in 1991 by 1 percent. Alabama was next with 5.1 million cords, and third-ranked Florida had a total of 3.9 million cords. For hardwood roundwood production, Alabama led with 3.6 million cords. Mississippi and North Carolina produced 2.5 and 1.7 million cords of hardwood roundwood, respectively.

Since 1991, the three States with the largest volume changes were Alabama and South Carolina with increases of 1.1 and 0.6 million cords respectively, while Mississippi decreased by 0.5 million cords (table 3).

Roundwood continued to be the leading material used for pulp manufacture and accounted for almost 70 percent of the total production. From 1983 to 1992, utilization of roundwood increased by 25 percent. Softwood roundwood use increased by over 24 percent, while hardwood roundwood use increased by 27 percent.

Wood Residues

Wood residues production in the South increased 12 percent to 20.7 million cords for 1992 (table 4). Softwood residues accounted for 15.9 million cords. Chipped residues accounted for more than 99 percent of all residues, and about 77 percent of the chipped residues were softwood (table 5). Georgia generated 3.2 million cords of

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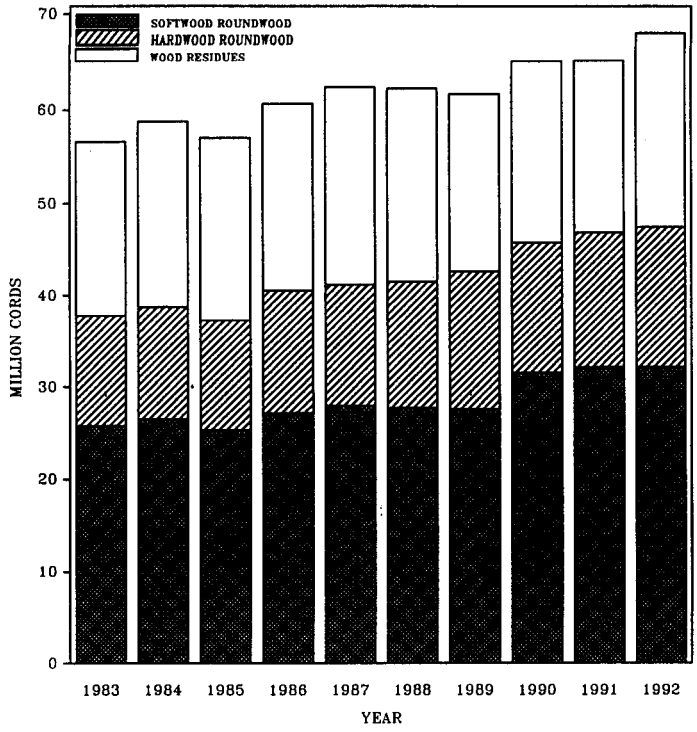

Figure 2.—*Pulpwood production trends in the South, 1983–92.*

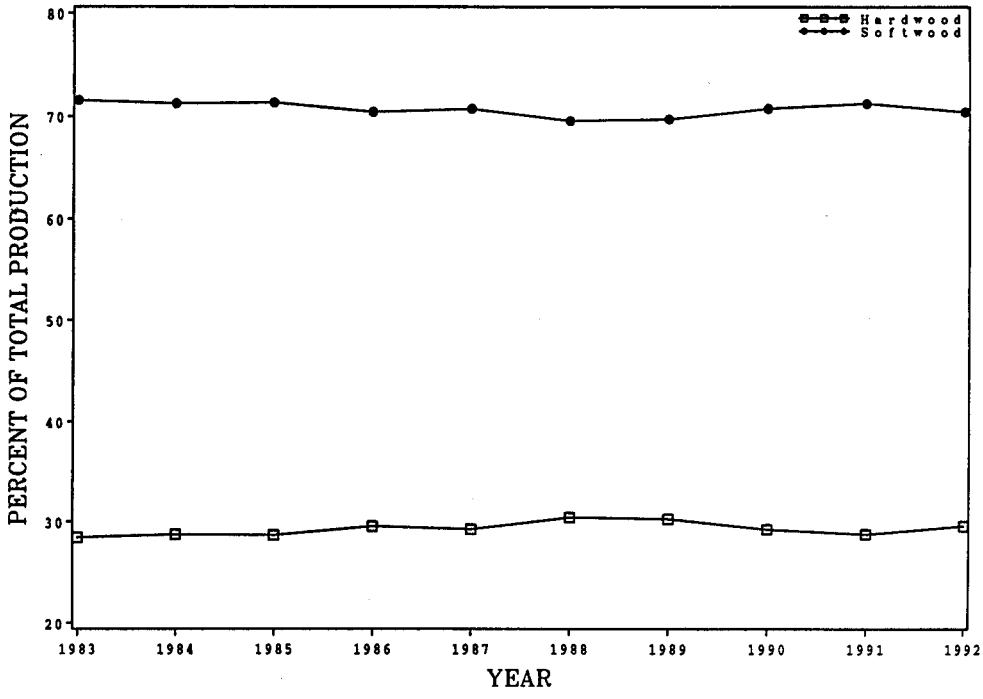

Figure 3.—*Percentages of softwood and hardwood production in the South, 1983–92.*

wood residues. Second-ranked Alabama and third-ranked Arkansas each contributed 2.6 cords respectively. Georgia led softwood residues production with 2.7 million cords, and Arkansas was first in hardwood residues production with 0.9 million cords. All States, except Florida, Mississippi, Oklahoma, Texas, and Virginia had production increases in 1992 for wood residues (table 4). Louisiana had the highest percentage increase, up 51 percent from 1991 and the largest volume increase, up about 0.8 million cords. Arkansas, Georgia, North Carolina, and Tennessee offset their roundwood production losses with gains in wood residues production of 24, 21, 3, and 5 percent, respectively. Oklahoma had the highest percentage decrease, 24 percent, and Mississippi had the largest volume decrease, 0.1 million cords, since 1991.

REGIONAL FACTORS

By region, the Midsouth States had more pulpwood production (37.5 million cords) than the Southeastern States (30.4 million cords) (table 6). The Midsouth produced over 55 percent of the South's total pulpwood production. A comparison between regions showed that the Midsouth States had the most roundwood and wood residues production except for softwood roundwood for which the Southeastern States had an increase of almost 2 percent. The Midsouth softwood production reflected a 4-percent increase compared to that of the Southeast, and 63 percent of the hardwood production was contributed by the Midsouth (table 6).

In 1992, Taylor County, Florida, and McCurtain County, Oklahoma, produced the most pulpwood roundwood of any county or parish in the South, more than 566,000 and 546,000 cords, respectively. Six counties or parishes produced over 300,000 cords of roundwood, 34 counties or parishes produced 200,000 to 300,000 cords, and 145 counties or parishes produced 100,000 or more cords (tables 7 through 18). Alabama led all States with 37 counties producing more than 100,000 cords of roundwood pulpwood per county. Softwood roundwood production appears to be concentrated in southwest Alabama where 18 counties produced 100,000 cords or more (fig. 4). Furthermore, Florida and Louisiana each had 13 counties or parishes producing 100,000 cords or more of softwood roundwood. Hardwood roundwood production appears to be focused in southwest Alabama where nine counties produced 100,000 cords or more (fig. 5).

MILLS

In 1992, 103 pulpmills were operating in and drawing wood from the 12 Southern States (fig. 6, table 19). Although down 1 mill from 1991, pulping capacity of these 103 mills increased to over 133,000 tons per day (table 19). Alabama and Georgia continued to lead the South in the number of mills operating with 15 and 13 mills, respectively. Georgia led in pulping capacity with 21,397 tons per day, and Alabama was second with 21,293 tons per day. More than 83 percent of the pulp was processed by the sulfate method making up 111,510 tons per day. Four mills outside the 12-State region used pulpwood from the South in 1992 (table 20).

Alabama and Mississippi had the highest competition among mills drawing softwood and hardwood roundwood by county. These 2 States had 35 and 27 counties, respectively, from which 7 or more mills were drawing softwood roundwood (fig. 7). Alabama had 41 counties from which 7 or more mills were drawing hardwood, whereas Mississippi had 25 counties (fig. 8).

TRENDS

From 1983 to 1992, Southern pulpwood production increased by 20 percent, from 56.6 to 67.9 million cords (fig. 2). During the same period, roundwood production increased from 37.8 to 47.3 million cords, a 25-percent increase. Since 1983, hardwood roundwood and residues proportionally had a higher increase than softwood roundwood and residues; this resulted from technological advances in processing the hardwood pulp furnish and the fact that hardwood continues to be relatively less expensive and available in greater amounts. Between 1983 and 1992, softwood pulpwood production increased 18 percent, and hardwood pulpwood production increased 25 percent. Hardwood roundwood production increased more than 27 percent and was responsible for a 6-percent increase in the total pulpwood production from 1983 to 1992.

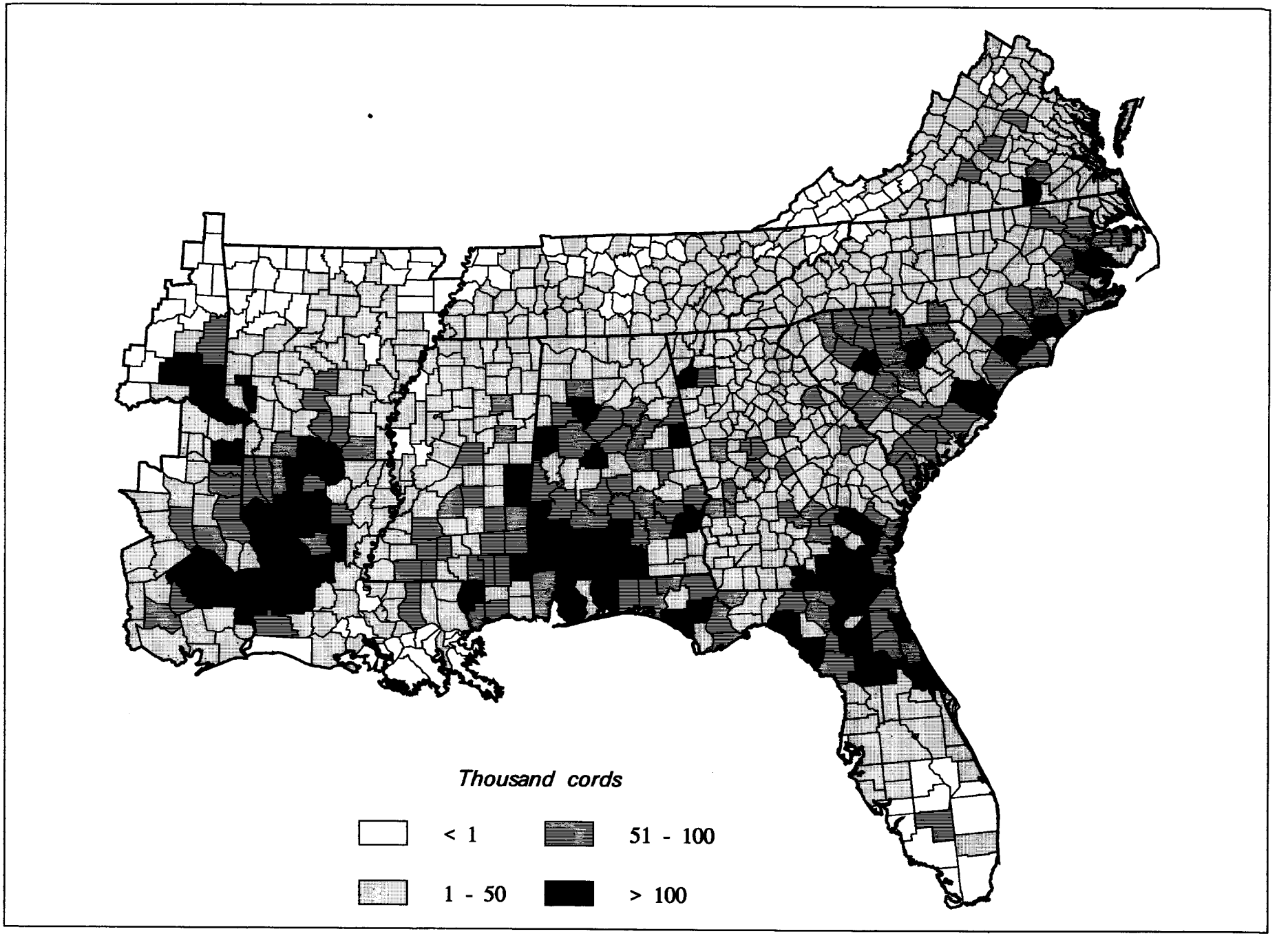

Figure 4.—*Softwood roundwood production in the South by county or parish, 1992.*

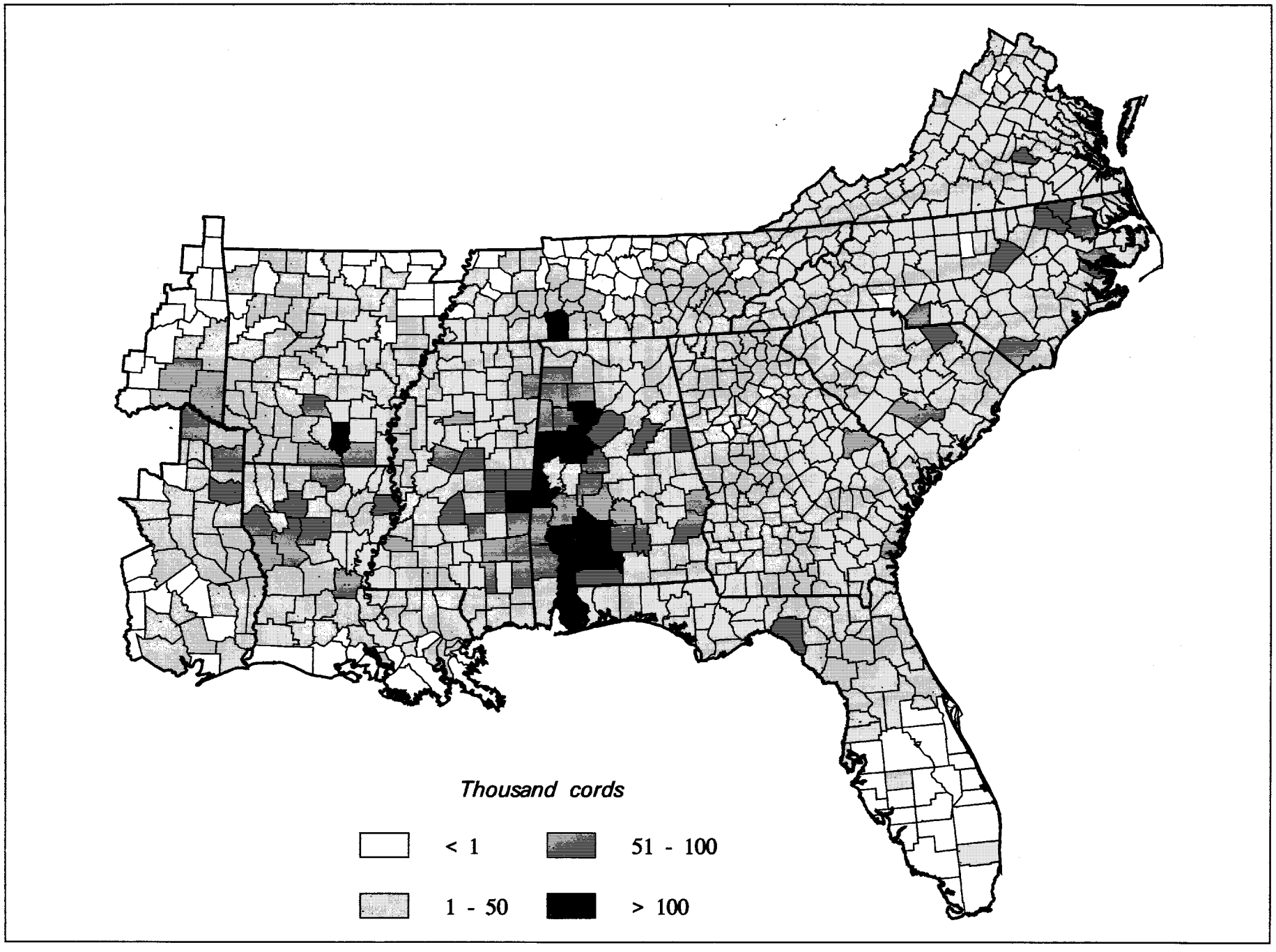

Figure 5.—*Hardwood roundwood production in the South by county or parish, 1992.*

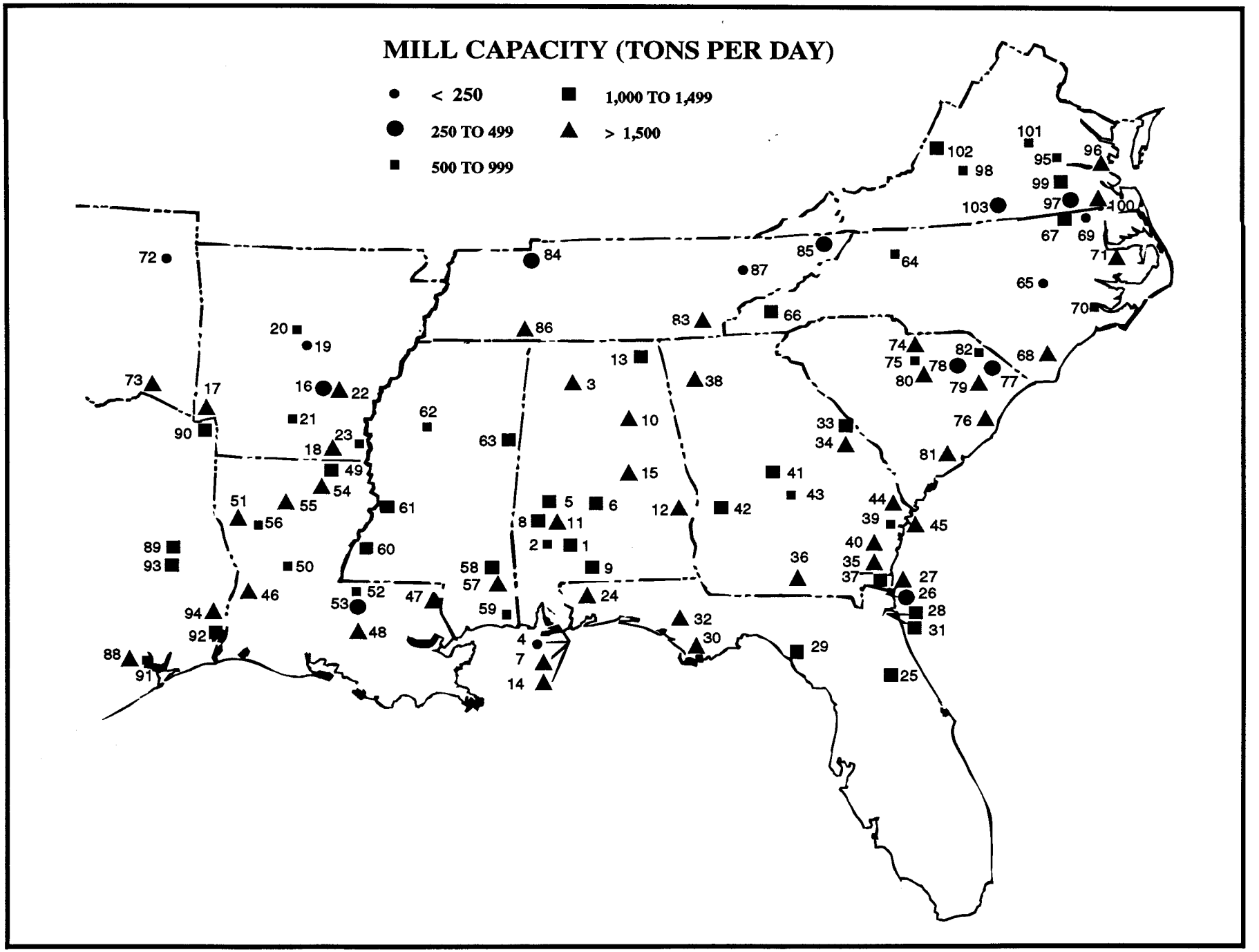

Figure 6.—*Location and capacity of pulpmills operating in and drawing wood from the 12 Southern States in 1992. (Numerals are coded to table 19.)*

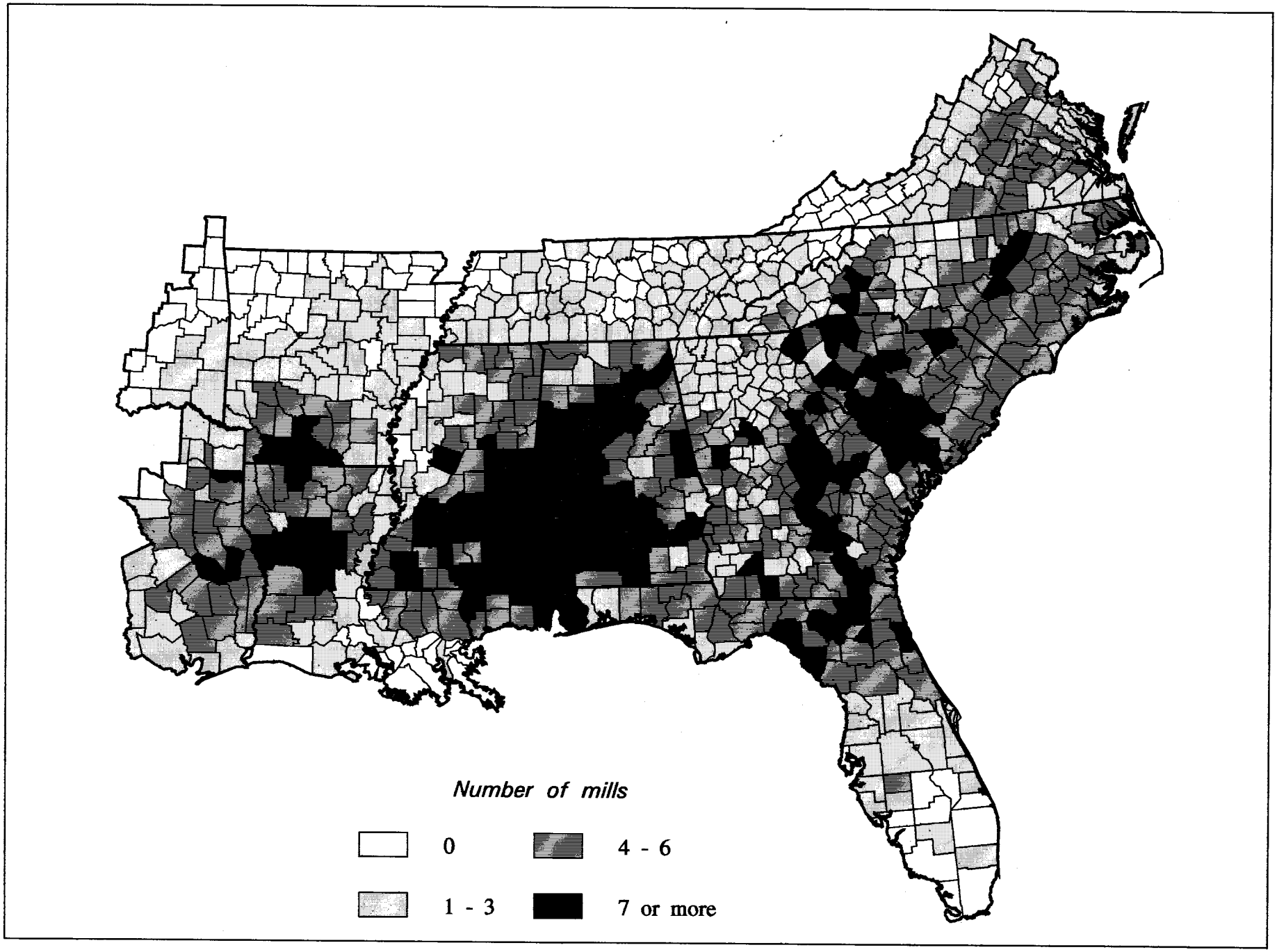

Figure 7.—*Number of mills competing for softwood roundwood by county or parish, 1992.*

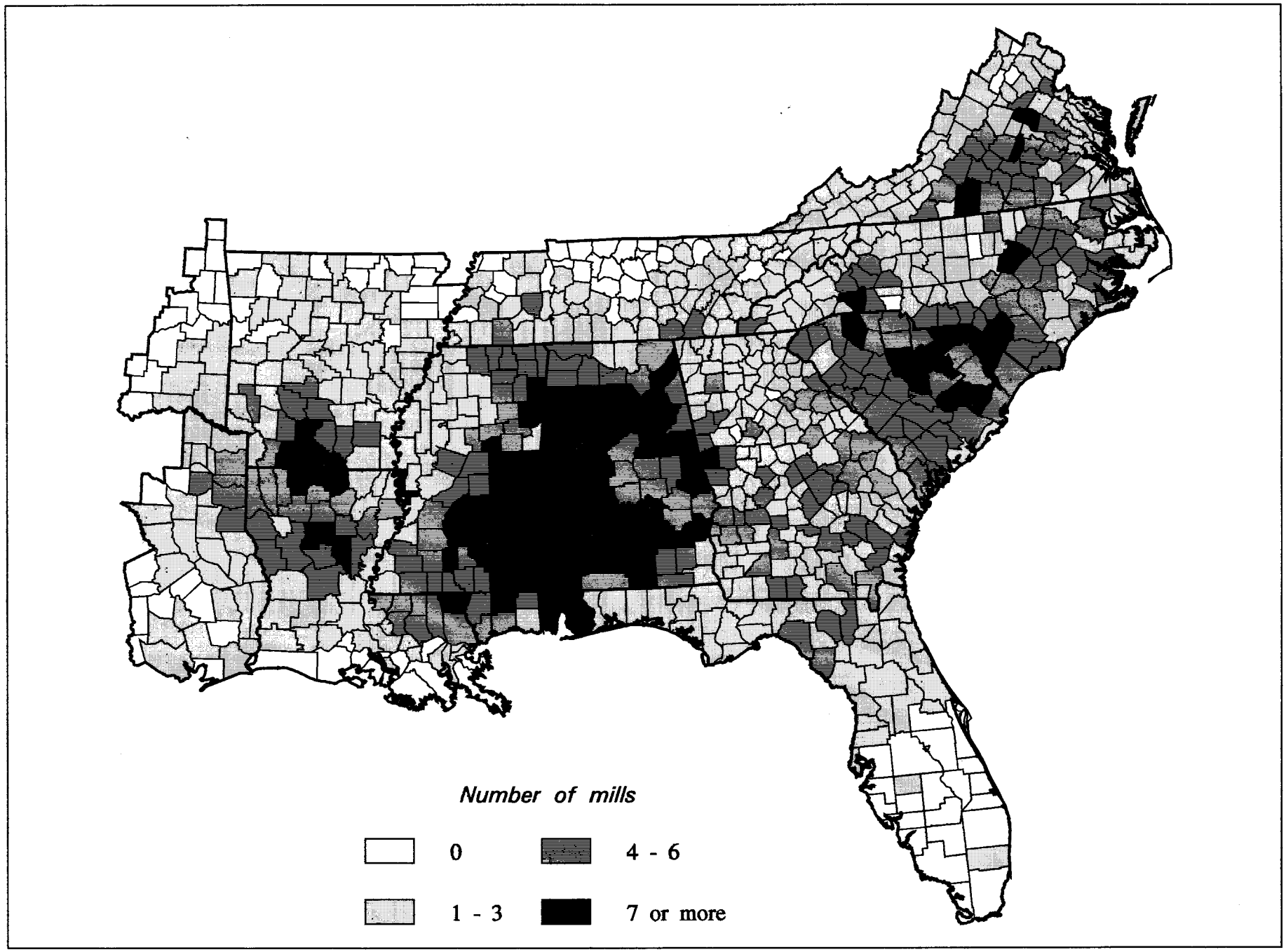

Figure 8.—*Number of mills competing for hardwood roundwood by county or parish, 1992.*

Table 1.—*Pulpwood production in the South during 1992 and percentage changes since 1991*

State	Pulpwood*	Change
	Thousand cords	*Percent*
Alabama	11,354.1	14
Arkansa	4,816.7	4
Florida	4,935.2	1
Georgia	10,225.5	5
Louisiana	6,923.7	16
Mississippi	7,581.5	-7
North Carolina	6,351.3	-4
Oklahoma	991.5	-21
South Carolina	5,410.3	17
Tennessee	1,337.0	-8
Texas	4,534.0	2
Virginia	3,478.8	2
All States	67,939.6	4

*Column data may not add to totals due to rounding.

Table 2.—*Roundwood production in the South, by State and species group, 1992**

State	All species	Softwood	Hardwood
	Thousand cords		
Alabama	8,704.1	5,105.2	3,598.9
Arkansas	2,213.3	1,387.1	826.2
Florida	4,268.9	3,851.6	417.3
Georgia	7,040.9	5,503.6	1,537.4
Louisiana	4,461.5	3,107.9	1,353.6
Mississippi	5,359.4	2,851.9	2,507.4
North Carolina	4,525.5	2,802.3	1,723.2
Oklahoma	848.0	710.3	137.7
South Carolina	3,878.3	2,764.7	1,113.6
Tennessee	1,027.9	564.5	463.4
Texas	2,516.9	2,007.6	509.4
Virginia	2,406.5	1,333.3	1,073.2
All States	47,251.4	31,990.1	15,261.3

*Row and column data may not add to totals due to rounding.

Table 3.—*Roundwood production in the South, by State and species group, 1992 and 1991**

State	Change from 1991	1992			1991		
		All species	Softwood	Hardwood	All species	Softwood	Hardwood
	Percent	*Thousand cords*					
Alabama	14	8,704.1	5,105.2	3,598.9	7,646.3	4,326.9	3,319.4
Arkansas	-13	2,213.3	1,387.1	826.2	2,547.7	1,538.7	1,009.0
Florida	2	4,268.9	3,851.6	417.3	4,191.6	3,815.1	376.5
Georgia	-1	7,040.9	5,503.6	1,537.4	7,119.8	5,608.1	1,511.7
Louisiana	3	4,461.5	3,107.9	1,353.6	4,318.9	3,187.2	1,131.7
Mississippi	-8	5,359.4	2,851.9	2,507.4	5,825.1	3,442.7	2,382.3
North Carolina	-6	4,525.5	2,802.3	1,723.2	4,828.4	3,016.3	1,812.0
Oklahoma	-21	848.0	710.3	137.7	1,074.4	856.3	218.1
South Carolina	18	3,878.3	2,764.7	1,113.6	3,280.4	2,342.0	938.4
Tennessee	-11	1,027.9	564.5	463.4	1,150.3	743.2	407.1
Texas	7	2,516.9	2,007.6	509.4	2,360.1	1,899.3	460.7
Virginia	4	2,406.5	1,333.3	1,073.2	2,306.9	1,235.3	1,071.6
All States	1	47,251.4	31,990.1	15,261.3	46,650.1	32,011.2	14,638.8

*Row and column data may not add to totals due to rounding.

Table 4.—*Wood residues production in the South for pulp manufacture, by State and species group, 1992 and 1991**

State	Change from 1991	1992 All species	1992 Softwood	1992 Hardwood	1991 All species	1991 Softwood	1991 Hardwood
	Percent	*Thousand cords*					
Alabama	17	2,650.0	1,932.2	717.8	2,273.1	1,992.4	280.7
Arkansas	24	2,603.4	1,723.6	879.8	2,091.2	1,391.2	699.9
Florida	-7	666.3	617.2	49.1	715.4	665.8	49.5
Georgia	21	3,184.5	2,739.0	445.5	2,636.7	2,284.9	351.7
Louisiana	51	2,462.1	1,889.9	572.2	1,629.1	1,412.3	216.7
Mississippi	-4	2,222.2	1,927.2	295.0	2,324.8	1,936.2	388.6
North Carolina	3	1,825.7	1,291.8	534.0	1,773.9	1,145.4	628.5
Oklahoma	-24	143.5	128.5	15.0	188.1	149.5	38.7
South Carolina	15	1,531.9	1,346.1	185.9	1,332.2	1,144.5	187.7
Tennessee	5	309.1	158.3	150.8	295.7	56.8	238.8
Texas	-3	2,017.1	1,480.8	536.2	2,071.3	1,500.0	571.3
Virginia	-3	1,072.3	637.6	434.7	1,100.2	684.9	415.3
All States	12	20,688.2	15,872.2	4,816.0	18,431.8	14,364.1	4,067.7

*Row and column data may not add to totals due to rounding.

Table 5.—*Wood residues production in the South for pulp manufacture, by State and type of residue, 1992**

State	All types	Chips All species	Chips Softwood	Chips Hardwood	Other residues† All species	Other residues† Softwood	Other residues† Hardwood
	Thousand cords						
Alabama	2,650.0	2,610.0	1,892.2	717.8	40.0	40.0	0.0
Arkansas	2,603.4	2,603.4	1,723.6	879.8	0.0	0.0	0.0
Florida	666.3	666.3	617.2	49.1	0.0	0.0	0.0
Georgia	3,184.5	3,178.3	2,734.3	444.0	6.2	4.7	1.5
Louisiana	2,462.1	2,462.1	1,889.9	572.2	0.0	0.0	0.0
Mississippi	2,222.2	2,222.2	1,927.2	295.0	0.0	0.0	0.0
North Carolina	1,825.7	1,804.8	1,276.9	527.8	20.9	14.8	6.1
Oklahoma	143.5	143.5	128.5	15.0	0.0	0.0	0.0
South Carolina	1,531.9	1,505.5	1,319.6	185.9	26.4	26.4	0.0
Tennessee	309.1	309.1	158.3	150.8	0.0	0.0	0.0
Texas	2,017.1	2,017.1	1,480.8	536.2	0.0	0.0	0.0
Virginia	1,072.3	1,055.6	637.6	418.1	16.6	0.0	16.6
All States	20,688.2	20,578.0	15,786.3	4,791.7	110.2	85.9	24.3

*Row and column data may not add to totals due to rounding.

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

Table 6.—*Pulpwood production in the Southeast and Midsouth, 1992*

Region and source of wood	All species	Softwood	Hardwood
	Thousand cords		
Southeast*			
Roundwood	22,120,164	16,255,570	5,864,594
Residues	8,280,789	6,631,594	1,649,195
Total	30,400,953	22,887,164	7,513,789
Midsouth†			
Roundwood	25,131,201	15,734,547	9,396,654
Residues	12,407,366	9,240,566	3,166,800
Total	37,538,567	24,975,113	12,563,454
Entire South			
Roundwood	47,251,365	31,990,117	15,261,248
Residues	20,688,155	15,872,160	4,815,995
Total	67,939,520	47,862,277	20,077,243

*States of Florida, Georgia, North Carolina, South Carolina, and Virginia.

†States of Alabama, Arkansas, Louisiana, Mississippi, Oklahoma, Tennessee, and Texas.

Table 7.—*Round pulpwood production in Alabama, 1992*

County*	All species	Softwood	Hardwood
	Standard cords		
Autauga	83,801	57,500	26,301
Baldwin	361,517	261,431	100,086
Barbour	239,937	147,077	92,860
Bibb	220,591	139,215	81,376
Blount	58,950	21,301	37,649
Bullock	114,785	67,556	47,229
Butler	233,612	166,575	67,037
Calhoun	51,157	41,860	9,297
Chambers	86,837	48,891	37,946
Cherokee	31,727	23,268	8,459
Chilton	63,274	42,755	20,519
Choctaw	212,514	123,497	89,017
Clarke	415,186	257,969	157,217
Clay	60,486	37,975	22,511
Cleburne	83,801	63,763	20,038
Coffee	61,462	45,709	15,753
Colbert	63,191	28,274	34,917
Conecuh	403,824	278,703	125,121
Coosa	112,458	69,854	42,604
Covington	159,129	119,233	39,896
Crenshaw	108,990	53,491	55,499
Cullman	61,352	28,244	33,108
Dale	75,117	41,859	33,258
Dallas	157,529	91,701	65,828
De Kalb	55,007	23,382	31,625
Elmore	48,048	25,598	22,450
Escambia	265,374	213,269	52,105
Etowah	47,317	25,366	21,951
Fayette	164,301	92,270	72,031
Franklin	117,071	32,303	84,768
Geneva	56,181	30,989	25,192
Greene	90,760	46,517	44,243
Hale	46,568	18,434	28,134
Henry	77,683	42,473	35,210
Houston	57,819	38,662	19,157
Jackson	45,240	9,144	36,096
Jefferson	131,135	60,389	70,746
Lamar	125,448	42,455	82,993
Lauderdale	36,627	9,498	27,129
Lawrence	43,951	21,135	22,816
Lee	69,667	48,547	21,120
Limestone	7,031	2,643	4,388
Lowndes	137,669	85,675	51,994
Macon	67,641	29,765	37,876
Madison	15,110	7,039	8,071
Marengo	165,147	96,368	68,779
Marion	128,005	38,096	89,909
Marshall	26,348	7,758	18,590
Mobile	120,715	93,166	27,549
Monroe	396,960	276,700	120,260
Montgomery	104,714	76,157	28,557
Morgan	34,914	22,400	12,514
Perry	100,868	41,881	58,987
Pickens	252,632	122,467	130,165
Pike	143,565	93,857	49,708
Randolph	187,055	108,016	79,039
Russell	151,561	99,266	52,295

Table 7.—*Round pulpwood production in Alabama, 1992—Continued*

County*	All species	Softwood	Hardwood
	Standard cords		
St. Clair	135,152	97,007	38,145
Shelby	109,838	91,559	18,279
Sumter	192,066	91,175	100,891
Talladega	125,799	64,753	61,046
Tallapoosa	85,634	57,964	27,670
Tuscaloosa	213,207	59,640	153,567
Walker	262,164	135,124	127,040
Washington	201,150	116,141	85,009
Wilcox	224,223	87,620	136,603
Winston	115,544	64,833	50,711
All counties	8,704,136	5,105,202	3,598,934

*Counties with no pulpwood production are omitted.

Table 8.—*Round pulpwood production in Arkansas, 1992*

County*	All species	Softwood	Hardwood
	Standard cords		
Arkansas	15,457	82	15,375
Ashley	148,774	66,375	82,399
Baxter	28	0	28
Boone	18	0	18
Bradley	174,134	56,283	117,851
Calhoun	109,015	78,589	30,426
Carroll	11	0	11
Chicot	28,750	1,622	27,128
Clark	37,605	30,627	6,978
Cleburne	13,995	3,642	10,353
Cleveland	78,048	45,113	32,935
Columbia	131,356	97,014	34,342
Conway	100	19	81
Crittenden	804	0	804
Cross	1,247	40	1,207
Dallas	129,258	71,509	57,749
Desha	8,201	35	8,166
Drew	96,998	47,159	49,839
Faulkner	9,033	1,691	7,342
Franklin	7	0	7
Garland	10,172	3,452	6,720
Grant	131,605	99,793	31,812
Hempstead	34,112	25,832	8,280
Hot Spring	40,363	26,599	13,764
Howard	135,064	123,982	11,082
Independence	10,431	265	10,166
Jackson	445	153	292
Jefferson	55,879	32,074	23,805
Johnson	8	0	8

Table 8.—*Round pulpwood production in Arkansas, 1992—Continued*

County*	All species	Softwood	Hardwood
	Standard cords		
Lafayette	51,100	30,978	20,122
Lawrence	75	0	75
Lee	1,836	60	1,776
Lincoln	50,340	40,030	10,310
Little River	169,057	166,725	2,332
Lonoke	1,993	138	1,855
Miller	59,791	39,373	20,418
Monroe	1,985	31	1,954
Montgomery	7,643	7,491	152
Nevada	44,249	35,312	8,937
Newton	37	0	37
Ouachita	67,393	48,724	18,669
Perry	2,928	412	2,516
Phillips	2,123	35	2,088
Pike	11,760	10,048	1,712
Polk	8,426	8,148	278
Pope	456	0	456
Prairie	1,675	0	1,675
Pulaski	5,573	1,683	3,890
St. Francis	468	226	242
Saline	30,960	18,979	11,981
Scott	4,765	4,669	96
Searcy	10,140	86	10,054
Sevier	26,077	24,562	1,515
Sharp	18	18	0
Stone	8,805	274	8,531
Union	220,206	132,825	87,381
Van Buren	10,493	2,672	7,821
Washington	12	0	12
White	11,876	1,628	10,248
Woodruff	20	20	0
Yell	137	30	107
All counties	2,213,335	1,387,127	826,208

*Counties with no pulpwood production are omitted.

Table 9.—*Round pulpwood production in Florida, 1992*

County*	All species	Softwood	Hardwood
	Standard cords		
Alachua	136,878	129,118	7,760
Baker	125,530	121,916	3,614
Bay	161,697	161,631	66
Bradford	135,890	131,798	4,092
Brevard	6,667	6,667	0
Broward	140	133	7
Calhoun	126,330	117,106	9,224
Citrus	23,005	17,837	5,168
Clay	101,911	97,042	4,869
Columbia	153,681	146,051	7,630

Table 9.—*Round pulpwood production in Florida, 1992—Continued*

County*	All species	Softwood	Hardwood
	Standard cords		
De Soto	31,866	31,866	0
Dixie	133,631	103,932	29,699
Duval	92,565	88,971	3,594
Escambia	51,876	46,474	5,402
Flagler	78,246	71,461	6,785
Franklin	93,176	91,620	1,556
Gadsden	77,636	58,870	18,766
Gilchrist	76,116	73,237	2,879
Gulf	38,867	38,830	37
Hamilton	86,080	75,359	10,721
Hardee	21,035	21,010	25
Hendry	93,777	93,777	0
Hernando	21,520	19,377	2,143
Hillsborough	3,704	3,704	0
Holmes	95,035	64,043	30,992
Indian River	741	741	0
Jackson	117,184	85,193	31,991
Jefferson	50,826	37,038	13,788
Lafayette	46,378	38,122	8,256
Lake	12,496	11,112	1,384
Leon	43,434	34,852	8,582
Levy	74,634	60,517	14,117
Liberty	82,701	80,550	2,151
Madison	82,216	67,116	15,100
Manatee	1,686	1,686	0
Marion	133,679	122,966	10,713
Nassau	226,550	211,135	15,415
Okaloosa	62,630	58,547	4,083
Orange	4,074	4,074	0
Osceola	3,704	3,704	0
Pasco	16,697	15,269	1,428
Pinellas	36	0	36
Polk	4,051	4,051	0
Putnam	72,789	65,647	7,142
St. Johns	131,915	118,880	13,035
St. Lucie	1,852	1,852	0
Santa Rosa	115,802	109,668	6,134
Sarasota	1,852	1,852	0
Seminole	6,907	6,262	645
Sumter	21,542	17,971	3,571
Suwannee	93,008	88,194	4,814
Taylor	566,522	505,429	61,093
Union	22,307	18,981	3,326
Volusia	132,038	127,300	4,738
Wakulla	22,896	22,833	63
Walton	84,344	74,948	9,396
Washington	64,509	43,288	21,221
All counties	4,268,859	3,851,608	417,251

*Counties with no pulpwood production are omitted.

Table 10.—*Round pulpwood production in Georgia, 1992*

County*	All species	Softwood	Hardwood
	Standard cords		
Appling	132,021	120,136	11,885
Atkinson	27,502	26,621	881
Bacon	44,464	30,193	14,271
Baker	13,303	12,187	1,116
Baldwin	37,673	31,742	5,931
Banks	9,824	7,843	1,981
Barrow	3,368	3,368	0
Bartow	73,325	66,951	6,374
Ben Hill	85,267	65,403	19,864
Berrien	15,807	13,046	2,761
Bibb	18,537	17,547	990
Bleckley	20,371	14,283	6,088
Brantley	138,618	119,907	18,711
Brooks	24,312	13,127	11,185
Bryan	41,221	34,082	7,139
Bulloch	73,658	47,467	26,191
Burke	112,887	57,478	55,409
Butts	30,826	29,255	1,571
Calhoun	8,691	6,428	2,263
Camden	114,715	90,678	24,037
Candler	40,795	30,518	10,277
Carroll	50,587	40,751	9,836
Catoosa	9,729	8,037	1,692
Charlton	221,153	176,681	44,472
Chatham	48,864	40,912	7,952
Chattahoochee	33,162	22,619	10,543
Chattooga	43,028	28,764	14,264
Cherokee	15,331	13,001	2,330
Clarke	1,185	15	1,170
Clay	10,313	6,806	3,507
Clayton	1,890	1,562	328
Clinch	247,848	241,420	6,428
Cobb	4,665	4,033	632
Coffee	72,501	58,027	14,474
Colquitt	24,417	17,492	6,925
Columbia	18,027	10,518	7,509
Cook	3,807	3,784	23
Coweta	54,235	48,425	5,810
Crawford	78,307	62,474	15,833
Crisp	29,741	19,793	9,948
Dade	1,480	532	948
Dawson	17,761	15,897	1,864
Decatur	26,488	17,626	8,862
De Kalb	5,278	5,100	178
Dodge	67,582	44,715	22,867
Dooly	15,040	14,407	633
Dougherty	34,384	32,027	2,357
Douglas	13,822	12,963	859
Early	25,878	23,125	2,753
Echols	190,003	180,217	9,786
Effingham	61,476	37,582	23,894
Elbert	28,027	11,809	16,218
Emanuel	55,102	39,104	15,998
Evans	17,783	9,203	8,580
Fannin	13,789	12,424	1,365
Fayette	5,890	5,890	0
Floyd	133,271	120,354	12,917
Forsyth	3,863	3,118	745
Franklin	15,383	12,483	2,900
Fulton	12,559	11,554	1,005

Table 10.—*Round pulpwood production in Georgia, 1992—Continued*

County*	All species	Softwood	Hardwood
	Standard cords		
Gilmer	21,698	19,593	2,105
Glascock	20,015	11,164	8,851
Glynn	138,542	85,681	52,861
Gordon	34,470	29,799	4,671
Grady	41,513	24,177	17,336
Greene	52,837	38,148	14,689
Gwinnett	13,417	12,127	1,290
Habersham	3,576	1,974	1,602
Hall	37,873	36,240	1,633
Hancock	73,248	49,994	23,254
Haralson	31,035	24,765	6,270
Harris	66,116	47,889	18,227
Hart	2,903	1,063	1,840
Heard	52,473	35,979	16,494
Henry	42,081	39,185	2,896
Houston	51,494	47,782	3,712
Irwin	22,246	20,815	1,431
Jackson	22,600	19,647	2,953
Jasper	36,577	35,054	1,523
Jeff Davis	87,769	64,598	23,171
Jefferson	47,442	28,331	19,111
Jenkins	37,667	18,940	18,727
Johnson	35,181	25,458	9,723
Jones	42,710	36,532	6,178
Lamar	91,561	89,652	1,909
Lanier	6,679	6,209	470
Laurens	64,306	45,366	18,940
Lee	13,791	11,669	2,122
Liberty	68,266	42,055	26,211
Lincoln	30,476	8,754	21,722
Long	88,344	65,724	22,620
Lowndes	140,918	129,535	11,383
Lumpkin	2,440	1,681	759
McDuffie	25,223	15,992	9,231
McIntosh	88,935	70,589	18,346
Macon	28,768	24,252	4,516
Madison	5,451	4,012	1,439
Marion	88,150	70,169	17,981
Meriwether	83,972	61,843	22,129
Miller	5,222	3,510	1,712
Mitchell	56,643	38,130	18,513
Monroe	65,584	61,825	3,759
Montgomery	19,980	10,631	9,349
Morgan	6,551	4,705	1,846
Murray	30,380	27,167	3,213
Muscogee	19,652	14,502	5,150
Newton	7,733	7,574	159
Oconee	9,145	5,240	3,905
Oglethorpe	34,605	12,601	22,004
Paulding	36,789	33,354	3,435
Peach	14,984	13,379	1,605
Pickens	7,964	6,551	1,413
Pierce	47,357	34,495	12,862
Pike	16,150	15,063	1,087
Polk	31,859	27,043	4,816
Pulaski	11,588	10,448	1,140
Putnam	55,412	53,818	1,594

Table 10.—*Round pulpwood production in Georgia, 1992—Continued*

County*	All species	Softwood	Hardwood
	Standard cords		
Quitman	23,327	17,932	5,395
Rabun	2,788	1,109	1,679
Randolph	50,861	37,363	13,498
Richmond	25,097	13,004	12,093
Rockdale	959	959	0
Schley	30,906	22,083	8,823
Screven	61,294	28,241	33,053
Seminole	3,709	3,151	558
Spalding	25,483	23,680	1,803
Stephens	2,448	1,107	1,341
Stewart	76,295	54,762	21,533
Sumter	38,031	25,250	12,781
Talbot	38,687	30,107	8,580
Taliaferro	27,288	8,554	18,734
Tattnall	37,662	28,972	8,690
Taylor	35,202	32,587	2,615
Telfair	90,188	82,172	8,016
Terrell	23,857	16,423	7,434
Thomas	64,330	41,147	23,183
Tift	10,206	4,812	5,394
Toombs	36,162	28,347	7,815
Towns	2,759	1,096	1,663
Treutlen	24,259	21,484	2,775
Troup	56,634	40,650	15,984
Turner	20,610	18,028	2,582
Twiggs	75,306	59,850	15,456
Union	4,420	2,285	2,135
Upson	46,232	42,055	4,177
Walker	20,609	16,073	4,536
Walton	5,221	2,109	3,112
Ware	140,248	136,066	4,182
Warren	56,352	26,951	29,401
Washington	73,069	35,649	37,420
Wayne	295,504	275,088	20,416
Webster	68,818	55,033	13,785
Wheeler	28,607	21,619	6,988
White	11,692	11,323	369
Whitfield	28,339	26,622	1,717
Wilcox	56,058	52,764	3,294
Wilkes	102,857	54,648	48,209
Wilkinson	75,242	30,269	44,973
Worth	42,130	36,150	5,980
All counties	7,040,941	5,503,551	1,537,390

*Counties with no pulpwood production are omitted.

Table 11.—*Round pulpwood production in Louisiana, 1992*

Parish*	All species	Softwood	Hardwood
	Standard cords		
Acadia	4,600	4,566	34
Allen	146,608	127,234	19,374
Ascension	13,499	3,093	10,406
Avoyelles	72,933	1,803	71,130
Beauregard	232,065	230,495	1,570
Bienville	265,486	204,778	60,708
Bossier	103,453	64,218	39,235
Caddo	96,833	55,559	41,274
Calcasieu	66,032	65,232	800
Caldwell	69,942	50,087	19,855
Catahoula	29,959	23,402	6,557
Claiborne	157,938	112,081	45,857
Concordia	33,101	12	33,089
De Soto	229,140	150,442	78,698
East Baton Rouge	21,632	7,812	13,820
East Carroll	11,070	25	11,045
East Feliciana	69,751	48,911	20,840
Evangeline	49,409	40,532	8,877
Franklin	6,622	273	6,349
Grant	81,642	52,985	28,657
Iberia	63	63	0
Iberville	23,332	38	23,294
Jackson	190,953	143,630	47,323
Jefferson	46	8	38
Jefferson Davis	2,364	2,358	6
La Salle	148,907	103,656	45,251
Lincoln	140,045	96,557	43,488
Livingston	112,365	77,329	35,036
Madison	60,938	17	60,921
Morehouse	64,949	21,683	43,266
Natchitoches	212,223	147,028	65,195
Orleans	24	0	24
Ouachita	79,773	45,301	34,472
Pointe Coupee	6,998	0	6,998
Rapides	161,448	130,360	31,088
Red River	70,072	42,105	27,967
Richland	6,285	371	5,914
Sabine	262,531	202,096	60,435
St. Charles	514	0	514
St. Helena	147,476	98,941	48,535
St. James	650	0	650
St. Landry	2,485	200	2,285
St. Martin	15,327	0	15,327
St. Tammany	42,898	36,547	6,351

Table 11.—*Round pulpwood production in Louisiana, 1992—Continued*

Parish*	All species	Softwood	Hardwood
	Standard cords		
Tangipahoa	73,402	41,026	32,376
Tensas	3,345	197	3,148
Union	228,208	165,136	63,072
Vermilion	12	12	0
Vernon	286,352	284,620	1,732
Washington	61,406	47,858	13,548
Webster	87,733	55,612	32,121
West Baton Rouge	3,079	166	2,913
West Carroll	3,242	549	2,693
West Feliciana	14,032	4,205	9,827
Winn	186,331	116,700	69,631
All parishes	4,461,523	3,107,909	1,353,614

*Parishes with no pulpwood production are omitted.

Table 12.—*Round pulpwood production in Mississippi, 1992*

County*	All species	Softwood	Hardwood
	Standard cord		
Adams	51,860	3,794	48,066
Alcorn	39,780	18,756	21,024
Amite	81,661	56,885	24,776
Attala	149,983	83,549	66,434
Benton	10,699	6,422	4,277
Bolivar	32	23	9
Calhoun	11,312	4,902	6,410
Carroll	45,641	13,963	31,678
Chickasaw	90,757	85,365	5,392
Choctaw	39,319	21,263	18,056
Claiborne	61,402	21,679	39,723
Clarke	162,346	78,333	84,013
Clay	23,515	10,791	12,724
Coahoma	3,055	0	3,055
Copiah	88,169	53,815	34,354
Covington	71,078	33,199	37,879
DeSoto	3,887	1,136	2,751
Forrest	121,675	63,999	57,676
Franklin	41,570	24,781	16,789
George	46,276	30,803	15,473
Greene	192,968	135,026	57,942
Grenada	85,196	14,274	70,922
Hancock	71,378	63,601	7,777
Harrison	58,466	51,024	7,442
Hinds	76,063	32,512	43,551
Holmes	128,599	45,699	82,900
Humphreys	1,415	0	1,415
Issaquena	37,207	729	36,478
Itawamba	92,105	31,431	60,674
Jackson	58,031	48,963	9,068
Jasper	98,907	52,789	46,118
Jefferson	73,950	20,940	53,010
Jefferson Davis	46,879	30,939	15,940
Jones	161,219	86,842	74,377

Table 12.—*Round pulpwood production in Mississippi, 1992—Continued*

County*	All species	Softwood	Hardwood
	Standard cords		
Kemper	190,005	117,586	72,419
Lafayette	54,218	44,089	10,129
Lamar	75,474	62,295	13,179
Lauderdale	244,414	101,535	142,879
Lawrence	67,977	54,154	13,823
Leake	80,552	33,927	46,625
Lee	13,618	4,729	8,889
Leflore	1,456	74	1,382
Lincoln	82,501	50,048	32,453
Lowndes	28,975	2,970	26,005
Madison	64,086	34,265	29,821
Marion	69,437	40,788	28,649
Marshall	77,765	31,199	46,566
Monroe	32,395	13,778	18,617
Montgomery	75,393	37,323	38,070
Neshoba	129,700	39,655	90,045
Newton	107,856	43,157	64,699
Noxubee	48,405	8,895	39,510
Oktibbeha	69,356	55,046	14,310
Panola	28,843	11,233	17,610
Pearl River	152,279	123,574	28,705
Perry	85,534	51,522	34,012
Pike	66,629	50,338	16,291
Pontotoc	17,953	9,522	8,431
Prentiss	75,401	31,721	43,680
Quitman	2,799	910	1,889
Rankin	143,363	89,078	54,285
Scott	86,495	64,397	22,098
Sharkey	4,289	80	4,209
Simpson	85,612	47,631	37,981
Smith	96,441	46,026	50,415
Stone	46,394	37,203	9,191
Sunflower	403	171	232
Tallahatchie	14,638	4,522	10,116
Tate	6,566	5,507	1,059
Tippah	73,629	39,923	33,706
Tishomingo	74,861	37,722	37,139
Tunica	27	4	23
Union	19,825	7,238	12,587
Walthall	28,104	19,647	8,457
Warren	46,782	1,931	44,851
Washington	13,570	0	13,570
Wayne	143,158	80,264	62,894
Webster	31,512	18,316	13,196
Wilkinson	49,375	15,454	33,921
Winston	69,743	28,355	41,388
Yalobusha	37,557	21,707	15,850
Yazoo	17,608	4,204	13,404
All counties	5,359,373	2,851,940	2,507,433

*Counties with no pulpwood production are omitted.

Table 13.—*Round pulpwood production in North Carolina, 1992*

County*	All species	Softwood	Hardwood
	Standard cords		
Alamance	3,680	3,680	0
Alexander	9,284	5,233	4,051
Alleghany	165	5	160
Anson	70,712	59,352	11,360
Ashe	612	0	612
Avery	6,480	3,145	3,335
Beaufort	285,058	233,164	51,894
Bertie	145,103	80,659	64,444
Bladen	98,120	54,847	43,273
Brunswick	112,830	90,260	22,570
Buncombe	71,899	37,892	34,007
Burke	68,915	35,240	33,675
Cabarrus	7,086	6,649	437
Caldwell	33,677	14,302	19,375
Camden	16,468	9,482	6,986
Carteret	30,497	27,317	3,180
Caswell	14,898	373	14,525
Catawba	11,498	7,199	4,299
Chatham	20,805	14,534	6,271
Cherokee	25,138	16,348	8,790
Chowan	44,886	18,149	26,737
Clay	6,999	3,185	3,814
Cleveland	36,420	31,507	4,913
Columbus	185,286	120,005	65,281
Craven	113,112	82,177	30,935
Cumberland	57,313	40,426	16,887
Currituck	16,302	7,117	9,185
Dare	518	408	110
Davidson	7,229	6,614	615
Davie	3,024	794	2,230
Duplin	91,981	55,597	36,384
Durham	574	567	7
Edgecombe	45,136	21,583	23,553
Forsyth	60	7	53
Franklin	48,094	31,254	16,840
Gaston	6,999	6,999	0
Gates	68,485	34,461	34,024
Graham	8,879	3,668	5,211
Granville	15,578	9,708	5,870
Greene	23,420	8,261	15,159
Guilford	6,489	2,181	4,308
Halifax	172,572	92,815	79,757
Harnett	33,096	30,514	2,582
Haywood	73,167	37,388	35,779
Henderson	7,808	3,751	4,057
Hertford	57,119	30,724	26,395
Hoke	17,465	14,644	2,821
Hyde	46,043	36,791	9,252
Iredell	19,948	13,438	6,510
Jackson	31,534	20,899	10,635
Johnston	45,816	22,794	23,022
Jones	79,608	43,650	35,958
Lee	19,411	10,450	8,961
Lenoir	53,579	30,719	22,860
Lincoln	32,967	23,148	9,819

Table 13.—*Round pulpwood production in North Carolina, 1992—Continued*

County*	All species	Softwood	Hardwood
	Standard cords		
McDowell	31,740	14,994	16,746
Macon	20,432	10,669	9,763
Madison	21,464	9,695	11,769
Martin	109,013	95,759	13,254
Mecklenburg	6,258	5,954	304
Mitchell	5,888	3,145	2,743
Montgomery	50,914	33,444	17,470
Moore	77,204	45,183	32,021
Nash	49,886	18,904	30,982
New Hanover	49,544	41,753	7,791
Northampton	99,432	32,456	66,976
Onslow	92,455	63,421	29,034
Orange	2,323	1,492	831
Pamlico	43,308	21,460	21,848
Pasquotank	23,524	9,951	13,573
Pender	171,541	128,567	42,974
Perquimans	30,555	19,717	10,838
Person	24,118	9,500	14,618
Pitt	131,063	96,141	34,922
Polk	22,021	14,627	7,394
Randolph	4,795	3,856	939
Richmond	47,458	41,377	6,081
Robeson	126,648	84,123	42,525
Rockingham	14,490	0	14,490
Rowan	7,044	4,928	2,116
Rutherford	67,177	38,603	28,574
Sampson	90,617	51,651	38,966
Scotland	42,836	32,762	10,074
Stanly	9,612	8,515	1,097
Stokes	15,722	30	15,692
Surry	11,436	3,040	8,396
Swain	18,188	9,633	8,555
Transylvania	8,913	3,212	5,701
Tyrrell	74,821	63,712	11,109
Union	73,798	17,959	55,839
Vance	19,992	12,208	7,784
Wake	83,596	28,799	54,797
Warren	67,469	37,745	29,724
Washington	61,534	50,462	11,072
Watauga	663	11	652
Wayne	40,687	13,359	27,328
Wilkes	24,379	6,107	18,272
Wilson	33,315	14,046	19,269
Yadkin	1,930	153	1,777
Yancey	5,888	3,145	2,743
All counties	4,525,533	2,802,342	1,723,191

*Counties with no pulpwood production are omitted.

Table 14.—*Round pulpwood production in Oklahoma, 1992*

County*	All species	Softwood	Hardwood
	Standard cords		
Choctaw	4,486	4,389	97
Latimer	31	30	1
Le Flore	70,188	70,158	30
McCurtain	546,165	482,988	63,177
Pushmataha	227,104	152,747	74,357
All counties	847,974	710,312	137,662

*Counties with no pulpwood production are omitted.

Table 15.—*Round pulpwood production in South Carolina, 1992*

County*	All species	Softwood	Hardwood
	Standard cords		
Abbeville	63,284	35,690	27,594
Aiken	107,695	88,330	19,365
Allendale	35,685	20,384	15,301
Anderson	17,508	10,065	7,443
Bamberg	58,067	41,273	16,794
Barnwell	67,867	46,164	21,703
Beaufort	34,433	23,467	10,966
Berkeley	84,380	72,285	12,095
Calhoun	44,091	32,403	11,688
Charleston	39,124	31,506	7,618
Cherokee	76,235	62,874	13,361
Chester	97,644	73,836	23,808
Chesterfield	151,365	93,137	58,228
Clarendon	48,716	28,011	20,705
Colleton	100,443	74,188	26,255
Darlington	49,720	27,113	22,607
Dillon	52,731	29,915	22,816
Dorchester	105,792	76,309	29,483
Edgefield	108,630	77,977	30,653
Fairfield	122,640	97,883	24,757
Florence	80,841	43,360	37,481
Georgetown	164,354	134,479	29,875
Greenville	81,071	58,574	22,497
Greenwood	50,563	23,044	27,519
Hampton	124,499	79,634	44,865
Horry	113,805	80,095	33,710
Jasper	74,698	54,934	19,764
Kershaw	204,324	169,742	34,582
Lancaster	106,143	76,996	29,147
Laurens	86,177	64,277	21,900
Lee	34,176	25,320	8,856
Lexington	72,412	54,261	18,151
McCormick	50,351	28,894	21,457
Marion	72,615	27,783	44,832
Marlboro	69,776	49,003	20,773

Table 15.—*Round pulpwood production in South Carolina, 1992—Continued*

County*	All species	Softwood	Hardwood
	Standard cords		
Newberry	155,276	123,003	32,273
Oconee	53,073	37,606	15,467
Orangeburg	146,184	81,243	64,941
Pickens	41,315	27,719	13,596
Richland	80,798	55,767	25,031
Saluda	59,467	51,975	7,492
Spartanburg	120,613	88,634	31,979
Sumter	52,627	25,870	26,757
Union	79,262	69,748	9,514
Williamsburg	164,181	123,612	40,569
York	73,656	66,350	7,306
All counties	3,878,307	2,764,733	1,113,574

*Counties with no pulpwood production are omitted.

Table 16.—*Round pulpwood production in Tennessee, 1992*

County*	All species	Softwood	Hardwood
	Standard cords		
Anderson	1,351	1,150	201
Bedford	306	0	306
Benton	796	796	0
Bledsoe	18,498	11,788	6,710
Blount	17,996	16,422	1,574
Bradley	34,664	24,727	9,937
Campbell	6,797	214	6,583
Carroll	6,083	3,836	2,247
Carter	2,228	0	2,228
Chester	2,569	1,282	1,287
Claiborne	690	30	660
Clay	7	0	7
Cocke	27,874	11,465	16,409
Coffee	11,170	7,825	3,345
Crockett	3	3	0
Cumberland	24,592	23,263	1,329
Decatur	1,033	960	73
DeKalb	2,121	1,672	449
Dyer	1,254	0	1,254
Fayette	200	191	9
Fentress	8,816	8,816	0
Franklin	14,175	62	14,113
Giles	5,539	2,962	2,577
Grainger	1,226	0	1,226
Greene	17,672	7,269	10,403
Grundy	27,858	13,410	14,448
Hamilton	35,306	30,996	4,310
Hancock	3,621	313	3,308
Hardeman	7,536	4,007	3,529
Hardin	20,623	12,383	8,240
Hawkins	7,763	266	7,497

Table 16.—*Round pulpwood production in Tennessee, 1992—Continued*

County*	All species	Softwood	Hardwood
	Standard cords		
Haywood	902	799	103
Henderson	30,455	6,416	24,039
Henry	2,064	246	1,818
Hickman	49,275	3,230	46,045
Humphreys	3,257	57	3,200
Jefferson	3,571	2,562	1,009
Johnson	1,513	0	1,513
Knox	4,462	4,462	0
Lauderdale	59	0	59
Lawrence	14,169	4,966	9,203
Lewis	15,961	8,232	7,729
Lincoln	800	297	503
Loudon	13,490	11,078	2,412
McMinn	53,547	45,874	7,673
McNairy	22,669	11,444	11,225
Madison	915	708	207
Marion	33,638	7,489	26,149
Maury	1,526	28	1,498
Meigs	39,445	29,070	10,375
Monroe	51,285	43,535	7,750
Montgomery	397	397	0
Moore	73	0	73
Morgan	13,265	9,906	3,359
Overton	364	0	364
Perry	23,396	7,130	16,266
Pickett	3	3	0
Polk	29,736	24,134	5,602
Putnam	6,780	3,426	3,354
Rhea	49,188	45,399	3,789
Roane	15,372	10,374	4,998
Scott	816	753	63
Sequatchie	21,930	20,472	1,458
Sevier	13,767	7,562	6,205
Shelby	187	157	30
Sullivan	6,166	0	6,166
Sumner	1,625	1,625	0
Tipton	467	467	0
Unicoi	104	0	104
Union	299	288	11
Van Buren	8,690	4,595	4,095
Warren	314	96	218
Washington	245	0	245
Wayne	153,329	37,984	115,345
Weakley	889	797	92
White	25,732	20,922	4,810
Williamson	1,415	1,415	0
All counties	1,027,919	564,503	463,416

*Counties with no pulpwood production are omitted.

Table 17.—*Round pulpwood production in Texas, 1992*

County*	All species	Softwood	Hardwood
	Standard cords		
Anderson	10,297	7,658	2,639
Angelina	247,609	246,325	1,284
Bastrop	3,118	3,118	0
Bowie	55,049	38,926	16,123
Camp	9,450	2,947	6,503
Cass	213,102	138,991	74,111
Chambers	874	874	0
Cherokee	92,359	76,084	16,275
Colorado	23	23	0
Delta	55,640	39,312	16,328
Fisher	660	660	0
Franklin	2,810	362	2,448
Gregg	11,181	4,798	6,383
Grimes	6,387	6,387	0
Hardin	43,556	43,556	0
Harris	17,524	17,485	39
Harrison	111,989	55,110	56,879
Henderson	7,225	5,797	1,428
Houston	31,430	31,394	36
Jasper	133,092	125,131	7,961
Jefferson	3,145	3,029	116
Lamar	259	8	251
Leon	226	226	0
Liberty	42,701	41,145	1,556
Llano	18,806	9,194	9,612
Madison	26	26	0
Marion	100,362	64,136	36,226
Montgomery	85,701	82,431	3,270
Morris	29,054	15,318	13,736
Nacogdoches	56,823	51,095	5,728
Newton	103,765	102,583	1,182
Orange	31,591	28,994	2,597
Panola	113,932	76,402	37,530
Polk	143,501	143,501	0
Red River	90,570	1,240	89,330
Rusk	49,404	32,509	16,895
Sabine	39,763	35,646	4,117
San Augustine	38,588	31,384	7,204
San Jacinto	54,361	54,297	64
Shelby	110,548	78,967	31,581
Smith	24,564	17,653	6,911
Titus	10,791	4,338	6,453
Trinity	103,162	103,162	0
Tyler	123,418	121,312	2,106
Upshur	61,798	37,313	24,485
Walker	26,343	26,343	0
Waller	364	364	0
All conties	2,516,941	2,007,554	509,387

*Counties with no pulpwood production are omitted.

Table 18.—*Round pulpwood production in Virginia, 1992*

County*	All species	Softwood	Hardwood
	Standard cords		
Accomack	11,385	8,289	3,096
Albemarle	26,299	13,620	12,679
Alleghany	26,791	3,546	23,245
Amelia	73,222	21,993	51,229
Amherst	25,572	9,511	16,061
Appomattox	83,240	46,262	36,978
Arlington	184	172	12
Augusta	9,771	2,052	7,719
Bath	13,965	1,039	12,926
Bedford	55,810	13,611	42,199
Bland	1,594	97	1,497
Botetourt	30,807	7,642	23,165
Brunswick	162,807	133,779	29,028
Buchanan	39	0	39
Buckingham	137,651	90,556	47,095
Campbell	91,584	60,988	30,596
Caroline	14,556	10,601	3,955
Carroll	9,476	82	9,394
Charles City	28,479	17,053	11,426
Charlotte	57,729	23,815	33,914
Chesapeake†	17,291	6,991	10,300
Chesterfield	28,586	23,270	5,316
Craig	13,316	2,154	11,162
Culpeper	11,254	9,756	1,498
Cumberland	51,984	23,851	28,133
Dickenson	2,094	0	2,094
Dinwiddie	76,963	66,021	10,942
Essex	29,549	18,869	10,680
Fairfax	7,655	5,881	1,774
Fauquier	5,661	4,170	1,491
Floyd	319	141	178
Fluvanna	43,301	29,022	14,279
Franklin	51,813	22,613	29,200
Frederick	10,849	6,959	3,890
Giles	3,094	226	2,868
Gloucester	26,570	19,926	6,644
Goochland	21,433	15,857	5,576
Grayson	1,207	0	1,207
Greene	127	89	38
Greensville	30,497	10,137	20,360
Halifax	47,365	12,770	34,595
Hanover	26,031	16,599	9,432
Henrico	6,308	4,485	1,823
Henry	1,286	4	1,282
Highland	5,784	446	5,338
Isle of Wight	24,642	10,958	13,684
James City	7,031	2,959	4,072
King and Queen	51,242	34,948	16,294
King George	1,199	973	226
King William	15,986	15,127	859

Table 18.—*Round pulpwood production in Virginia, 1992—Continued*

County*	All species	Softwood	Hardwood
	Standard cords		
Lancaster	7,604	3,834	3,770
Lee	11,880	0	11,880
Loudoun	1,435	1,138	297
Louisa	74,848	63,470	11,378
Lunenburg	42,962	21,726	21,236
Madison	1,579	1,295	284
Mathews	963	376	587
Mecklenburg	45,808	22,053	23,755
Middlesex	8,295	4,198	4,097
Montgomery	382	0	382
Nelson	56,488	21,229	35,259
New Kent	52,736	31,061	21,675
Newport News†	49	40	9
Northampton	443	371	72
Northumberland	3,282	1,065	2,217
Nottoway	31,947	20,679	11,268
Orange	8,437	5,274	3,163
Patrick	1,742	82	1,660
Pittsylvania	67,775	33,316	34,459
Powhatan	26,213	23,951	2,262
Prince Edward	44,433	29,942	14,491
Prince George	47,267	33,768	13,499
Prince William	4,588	2,116	2,472
Pulaski	892	0	892
Richmond	32,859	24,259	8,600
Roanoke	5,632	399	5,233
Rockbridge	19,350	4,067	15,283
Rockingham	10,126	3,619	6,507
Russell	6,362	0	6,362
Scott	18,718	0	18,718
Shenandoah	3,621	1,974	1,647
Smyth	4,178	0	4,178
Southampton	80,007	39,567	40,440
Spotsylvania	27,680	22,788	4,892
Stafford	8,238	5,926	2,312
Suffolk†	24,952	10,580	14,372
Surry	41,012	21,745	19,267
Sussex	54,180	37,657	16,523
Tazewell	23	0	23
Virginia Beach†	2,832	802	2,030
Warren	905	881	24
Washington	12,306	0	12,306
Westmoreland	10,279	7,360	2,919
Wise	16,250	0	16,250
Wythe	2,262	0	2,262
York	1,301	812	489
All counties	2,406,519	1,333,330	1,073,189

*Counties with no pulpwood production are omitted.

†Independent cities not included in any county.

Table 19.—*Southern pulpmills, by process and capacity, 1992*

Location	Map Code*	Company	Pulpwood capacity, 24 hours† All processes	Sulfate	Groundwood and other mechanical	Semi-chemical	Soda and sulfite
			Tons				
Alabama							
Claiborne	(1)	Alabama River Pulp Company	1,333	1,333	0	0	0
Jackson	(2)	Boise Cascade Paper Group	600	600	0	0	0
Courtland	(3)	Champion International Corporation	2,100	2,100	0	0	0
Mobile	(4)	GAF Corporation	50	0	50	0	0
Demopolis	(5)	Gulf States Paper Corporation	900	900	0	0	0
Selma	(6)	International Paper Company	1,285	1,285	0	0	0
Mobile	(7)	International Paper Company	1,500	1,200	300	0	0
Naheola	(8)	James River Corporation	1,250	1,250	0	0	0
Brewton	(9)	Jefferson Smurfit/CCA	1,300	1,300	0	0	0
Coosa Pines	(10)	Kimberly-Clark Corporation	2,040	1,100	940	0	0
Pine Hill	(11)	McMillan Bloedel, Incorporated	1,680	1,100	0	580	0
Mahrt	(12)	Mead Coated Board	2,000	2,000	0	0	0
Stevenson	(13)	Mead Corporation	1,030	0	0	1,030	0
Mobile	(14)	Scott Paper Company	1,700	1,700	0	0	0
Prattville	(15)	Union Camp Corporation	2,525	2,525	0	0	0
Total			21,293	18,393	1,290	1,610	0
Arkansas							
Pine Bluff	(16)	Gaylord Container Corporation	380	380	0	0	0
Ashdown	(17)	Georgia-Pacific Corporation	1,550	1,550	0	0	0
Crossett	(18)	Georgia-Pacific Corporation	1,600	1,600	0	0	0
Little Rock	(19)	Georgia-Pacific Corporation	140	0	140	0	0
Morrilton	(20)	Green Bay Packaging, Inorporated	800	800	0	0	0
Camden	(21)	International Paper Company	750	750	0	0	0
Pine Bluff	(22)	International Paper Company	1,700	1,300	400	0	0
McGehee	(23)	Potlatch Corporation	655	655	0	0	0
Total			7,575	7,035	540	0	0
Florida							
Cantonment	(24)	Champion International Corporation	1,506	1,506	0	0	0
Palatka	(25)	Georgia-Pacific Corporation	1,400	1,400	0	0	0
Fernandina Beach	(26)	I.T.T. Rayonier, Incorporated	468	0	0	0	468
Fernandina Beach	(27)	Jefferson Smurfit Corporation	2,200	2,200	0	0	0
Jacksonville	(28)	Jefferson Smurfit Corporation	1,000	1,000	0	0	0
Perry	(29)	Proctor and Gamble Cellulose	1,100	1,100	0	0	0
Port St. Joe	(30)	St. Joe Forest Products Company	1,700	1,700	0	0	0
Jacksonville	(31)	Stone Container Corp., Seminole Kraft	1,470	1,470	0	0	0
Panama City	(32)	Stone Container Corporation	1,615	1,615	0	0	0
Total			12,459	11,991	0	0	468
Georgia							
Augusta	(33)	Augusta Newsprint Company	1,332	0	1,332	0	0
Augusta	(34)	Federal Paper Board Company	2,250	2,250	0	0	0
Brunswick	(35)	Georgia-Pacific Corporation	2,000	2,000	0	0	0
Cedar Springs	(36)	Georgia-Pacific Corporation	2,825	2,300	0	525	0
St. Marys	(37)	Gilman Paper Company	1,200	1,200	0	0	0
Rome	(38)	Inland-Rome, Incorporated	2,200	2,200	0	0	0
Riceboro	(39)	Interstate Paper Corporation	600	600	0	0	0
Jesup	(40)	I.T.T. Rayonier, Incorporated	1,620	1,620	0	0	0
Macon	(41)	Macon Kraft Company	900	900	0	0	0
Clyattville	(42)	Packaging Corporation of America	1,130	1,130	0	0	0
Oglethorpe	(43)	Proctor and Gamble Cellulose	750	750	0	0	0
Port Wentworth	(44)	Stone Savannah Pulp and Paper Corporation	1,590	1,590	0	0	0
Savannah	(45)	Union Camp Corporation	3,000	3,000	0	0	0
Total			21,397	19,540	1,332	525	0

Table 19.—*Southern pulpmills, by process and capacity, 1992—Continued*

Location	Map Code*	Company	Pulpwood capacity, 24 hours† All processes	Sulfate	Groundwood and other mechanical	Semi-chemical	Soda and sulfite
			Tons				
Louisiana							
DeRidder	(46)	Boise Cascade Corporation	2,250	1,305	945	0	0
Bogalusa	(47)	Gaylord Container Corporation	2,100	2,100	0	0	0
Port Hudson	(48)	Georgia-Pacific Corporation	1,850	1,850	0	0	0
Bastrop	(49)	International Paper Company	1,100	1,100	0	0	0
Pineville	(50)	International Paper Company	985	985	0	0	0
Mansfield	(51)	International Paper Company	1,900	1,400	0	500	0
St. Francisville	(52)	James River Communication Papers	550	550	0	0	0
St. Francisville	(53)	James River Communication Papers	250	0	250	0	0
West Monroe	(54)	Riverwood International Corporation	2,000	1,600	0	400	0
Hodge	(55)	Stone Container Corporation	1,750	1,400	0	350	0
Campti	(56)	Willamette Industries, Incorporated	850	850	0	0	0
Total			15,585	13,140	1,195	1,250	0
Mississippi							
Monticello	(57)	Georgia-Pacific Corporation	2,600	2,600	0	0	0
New Augusta	(58)	Georgia-Pacific Corporation	1,485	1,485	0	0	0
Moss Point	(59)	International Paper Company	700	700	0	0	0
Natchez	(60)	International Paper Company	1,100	1,100	0	0	0
Vicksburg	(61)	International Paper Company	1,180	1,180	0	0	0
Grenada	(62)	Newsprint South	670	0	670	0	0
Columbus	(63)	Weyerhaeuser Company	1,420	1,200	0	220	0
Total			9,155	8,265	670	220	0
North Carolina							
Roaring River	(64)	Abitibi-Price Corporation	475	0	475	0	0
Goldsboro	(65)	Celotex Corporation	100	0	100	0	0
Canton	(66)	Champion International Corporation	1,450	1,450	0	0	0
Roanoke Rapids	(67)	Champion International Corporation	1,300	1,300	0	0	0
Riegelwood	(68)	Federal Paper Board Company, Incorporated	2,260	2,260	0	0	0
Conway	(69)	Georgia-Pacific Corporation	200	0	200	0	0
New Bern	(70)	Weyerhaeuser Company	843	843	0	0	0
Plymouth	(71)	Weyerhaeuser Company	1,770	1,520	0	250	0
Total			8,398	7,373	775	250	0
Oklahoma							
Pryor	(72)	Georgia-Pacific Corporation	250	0	250	0	0
Valliant	(73)	Weyerhaeuser Company	2,150	1,650	0	500	0
Total			2,400	1,650	250	500	0
South Carolina							
Catawba	(74)	Bowaters Incorporated	2,350	1,150	1,000	0	0
Catawba	(75)	Catawba Newsprint Company	740	0	740	0	0
Georgetown	(76)	International Paper Company	1,713	1,613	0	100	0
Sellers	(77)	Masonite Corporation	360	0	360	0	0
Hartsville	(78)	Sonoco Products Company	300	0	0	300	0
Florence	(79)	Stone Container Corporation	1,530	1,530	0	0	0
Eastover	(80)	Union Camp Corporation	1,850	1,850	0	0	0
Charleston	(81)	Westvaco Corporation	2,150	2,150	0	0	0
Bennettsville	(82)	Williamette Industries	700	700	0	0	0
Total			11,693	9,193	2,100	400	0

Table 19.—*Southern pulpmills, by process and capacity, 1992—Continued*

Location	Map Code*	Company	Pulpwood capacity, 24 hours† All processes	Sulfate	Groundwood and other mechanical	Semi-chemical	Soda and sulfite
			Tons				
Tennessee							
Calhoun	(83)	Bowaters Southern Paper Corporation	2,650	950	1,700	0	0
New Johnsonville	(84)	Inland Container Corporation	400	0	0	400	0
Kingsport	(85)	Mead Corporation	350	0	0	0	350
Counce	(86)	Packaging Corporation of America	1,700	1,700	0	0	0
Knoxville	(87)	Tamko Asphalt Products, Incorporated	125	0	125	0	0
Total			5,225	2,650	1,825	400	350
Texas							
Houston	(88)	Champion International Corporation	1,725	575	1,150	0	0
Lufkin	(89)	Champion International Corporation	1,300	500	800	0	0
Texarkana	(90)	International Paper Company	1,200	1,200	0	0	0
Pasadena	(91)	Simpson Pasadena Paper Company	800	800	0	0	0
Orange	(92)	Temple-Orange Incorporated	1,300	1,300	0	0	0
Diboll	(93)	Temple Inland Forest Products Corporation	1,430	0	1,430	0	0
Evadale	(94)	Temple Inland Forest Products Corporation	1,675	1,675	0	0	0
Total			9,430	6,050	3,380	0	0
Virginia							
Ashland	(95)	Bear Island Paper Company	600	0	600	0	0
West Point	(96)	Chesapeake Corporation	1,930	1,930	0	0	0
Jarratt	(97)	Georgia-Pacific Corporation	400	0	400	0	0
Big Island	(98)	Georgia-Pacific Corporation	680	0	0	680	0
Hopewell	(99)	Stone Container Corporation	1,050	1,050	0	0	0
Franklin	(100)	Union Camp Corporation	1,950	1,950	0	0	0
Riverville	(101)	Virginia Fiber Corporation	550	0	0	550	0
Covington	(102)	Westvaco Corporation	1,300	1,300	0	0	0
Danville	(103)	Wood Fiber Industries	330	0	330	0	0
Total			8,790	6,230	1,330	1,230	0
Total South			133,400	111,510	14,687	6,385	818

*Corresponds to numbers at locations on figure 6.
†American Papermaker, Vol. 55, No. 12 (December 1992); Lockwood-Post's Directory (1993); and other sources

Table 20.—*Other mills using southern pulpwood, by process and capacity, 1992*

Location	Company	Pulpwood capacity, 24 hours* All processes	Sulfate	Groundwood and other mechanical	Semi-chemical	Soda and sulfite
		Tons				
Kentucky						
Wickliffe	Westvaco Corporation	825	825	0	0	0
Hawesville	Willamette Industries	1,050	775	0	275	0
Maryland						
Luke	Westvaco Corporation	947	947	0	0	0
Pennsylvania						
Spring Grove	P.H. Glatfelter Company	560	560	0	0	0

*Lockwood-Post's directory (1993) and other sources.

Miller, Patrick E. 1994. Southern pulpwood production, 1992. Resour. Bull. SO-187. New Orleans, LA: U.S. Department of Agriculture, Forest Service, Southern Forest Experiment Station. 31 p.

In 1992, southern pulpwood production increased 4 percent to 67.9 million cords. Roundwood production increased 1 percent to 47.3 million cords, and wood residue production increased 12 percent to 20.7 million cords. One pulpmill changed processes, reducing the number to 103. The pulping capacity of the 103 southern pulpmills was 133,400 tons per day. No new pulpmills were under construction in the South in 1992.

Keywords: Pulpmills, residues, roundwood.

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