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Southern Pulpwood Production, 1993

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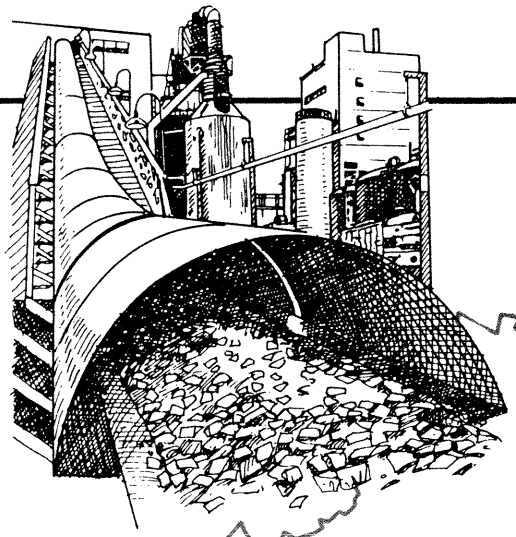

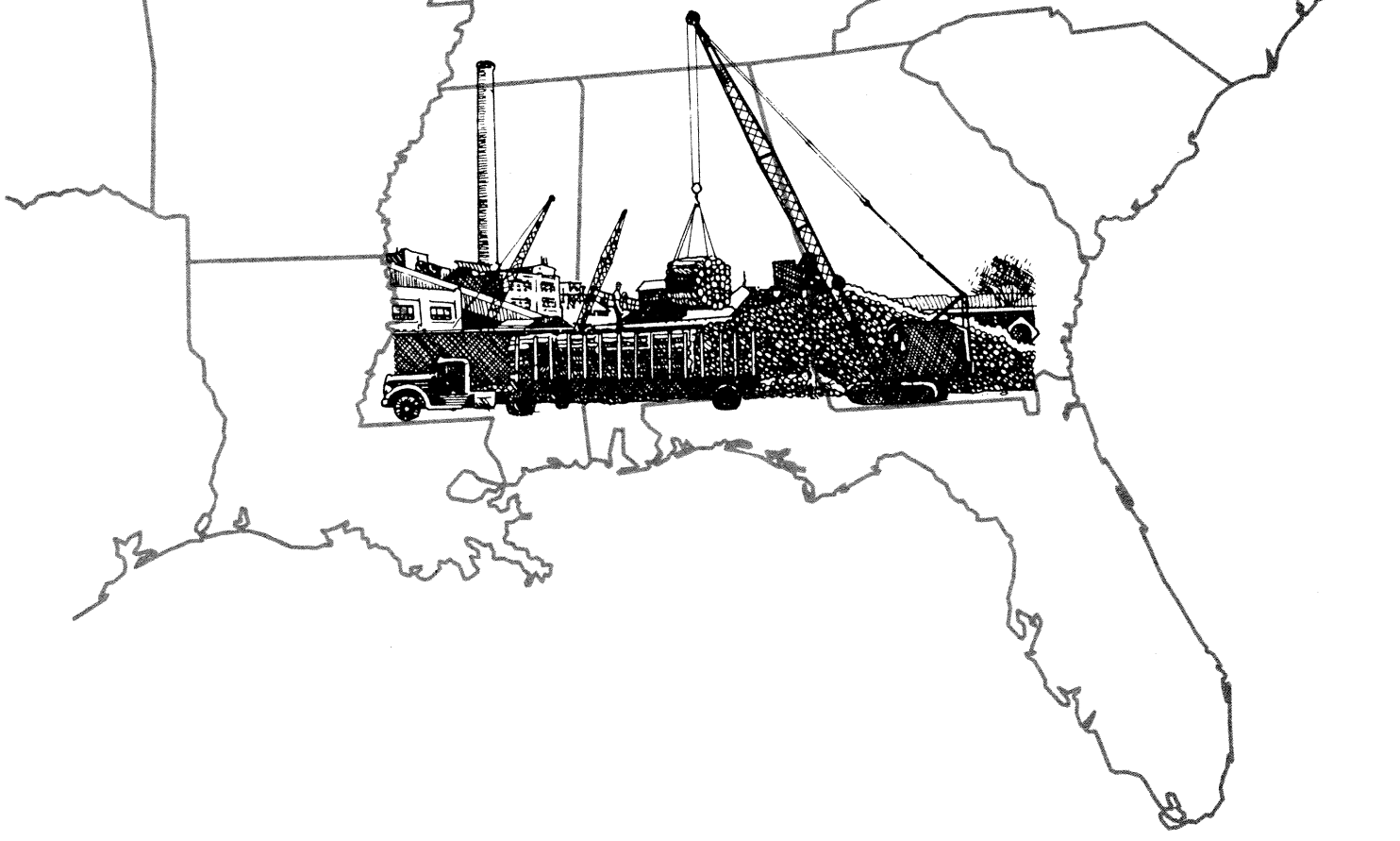

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March 1995

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Southern Pulpwood Production, 1993

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Asheville, North Carolina
and
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in cooperation with
AMERICAN PULPWOOD ASSOCIATION

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

Southern Pulpwood Production, 1993

Introduction

This annual publication presents the findings of a 100-percent canvass of wood using pulpmills that draw roundwood or wood residues from the 12 Southern States from Virginia to Texas (fig. 1). Canvass data are compiled annually and analyzed by the Southern Research Station. Of the total 102 mills canvassed, 92 responded. Past canvass data and other sources of information were used for mills that did not respond. All production figures are reported in cords. Mill data reported in nonstandard units are converted to standard cords with regional conversion factors.

Pulpwood

In 1993, the Midsouth led in the production of pulpwood, supplying 36.0 million cords compared to the Southeast's production of 30.3 million cords (table 1). From a record 67.9 million cords in 1992, pulpwood production fell 2 percent in 1993 to 66.3 million cords (table 2). Alabama continues to lead the South with 10.3 million cords of pulpwood produced in 1993, a decline of 9 percent from 1992. Second-ranked Georgia reported a production decrease of 6 percent, with 9.6 million cords, while production in third-ranked Mississippi increased by 3 percent, with 7.8 million cords. State production increases and decreases were evenly divided in 1993. The highest percentage increase was in North Carolina and South Carolina where each reported a 5-percent increase, while the largest percentage drop, a 45-percent decline, occurred in Oklahoma. Softwood roundwood accounted for 45 percent of the total pulpwood production, hardwood roundwood accounted for 24 percent, and wood residues the remainder.

Roundwood

Roundwood continues to be the primary resource used in pulp manufacture, accounting for 70 percent of the total pulpwood production. Overall, the South's roundwood production was down 2 percent in 1993. Softwood roundwood accounted for nearly two-thirds of the roundwood production (table 3). From 1992 to 1993, softwood roundwood production declined 6 percent, while hardwood roundwood production increased 6 percent. In total roundwood production, Alabama led with 8.0 million cords, followed by Georgia with 7.0 million cords and Mississippi with 5.3 million cords (table 4). The combined roundwood production for these three States made up nearly 44 percent of the total roundwood production for the Southern States. South Carolina had the highest percentage increase, 14 percent, and Oklahoma had the highest percentage decrease, 69 percent. South Carolina also had the largest volume increase of 562,000 cords, while Alabama had the largest volume decrease of 702,000 cords. From 1984 to 1993, utilization of roundwood increased by 20 percent. Softwood roundwood use was up almost 14 percent, while hardwood roundwood use increased by 32 percent.

Wood Residues

In 1993, wood residue production in the South was down 4 percent to 19.9 million cords (table 5). More than three-fourths of the wood residues produced were softwoods. Chipped residues accounted for 99 percent of all residues (table 6). Georgia led all States in the production of wood residues at 2.6 million cords, followed by Arkansas and Louisiana with more than 2.5 million cords each. Seven of the 12 States had production declines in 1993. Tennessee had the highest percentage decrease, down 23 percent from 1992. Georgia had the largest volume decrease, down 553,000 cords. Oklahoma had the highest percentage increase, 95 percent, and Mississippi had the largest volume increase at 267,000 cords. The Midsouth topped the Southeast in wood residue production, supplying 62 percent of the total residue volume.

Regional Trends

More than 54 percent of the South's total pulpwood production was supplied by the Midsouth States. By comparison, hardwood pulpwood production increased more than 13 percent in the Southeast, while the Midsouth showed a 2-percent decline. Both the Southeast and Midsouth had a 5-percent decline in softwood production. The Midsouth supplied 52 percent of the softwood production and 59 percent of the hardwood production.

In 1993, Taylor County, Florida, produced the most pulpwood roundwood of any county or parish in the South with 543,000 cords (figs. 2 and 3). Three

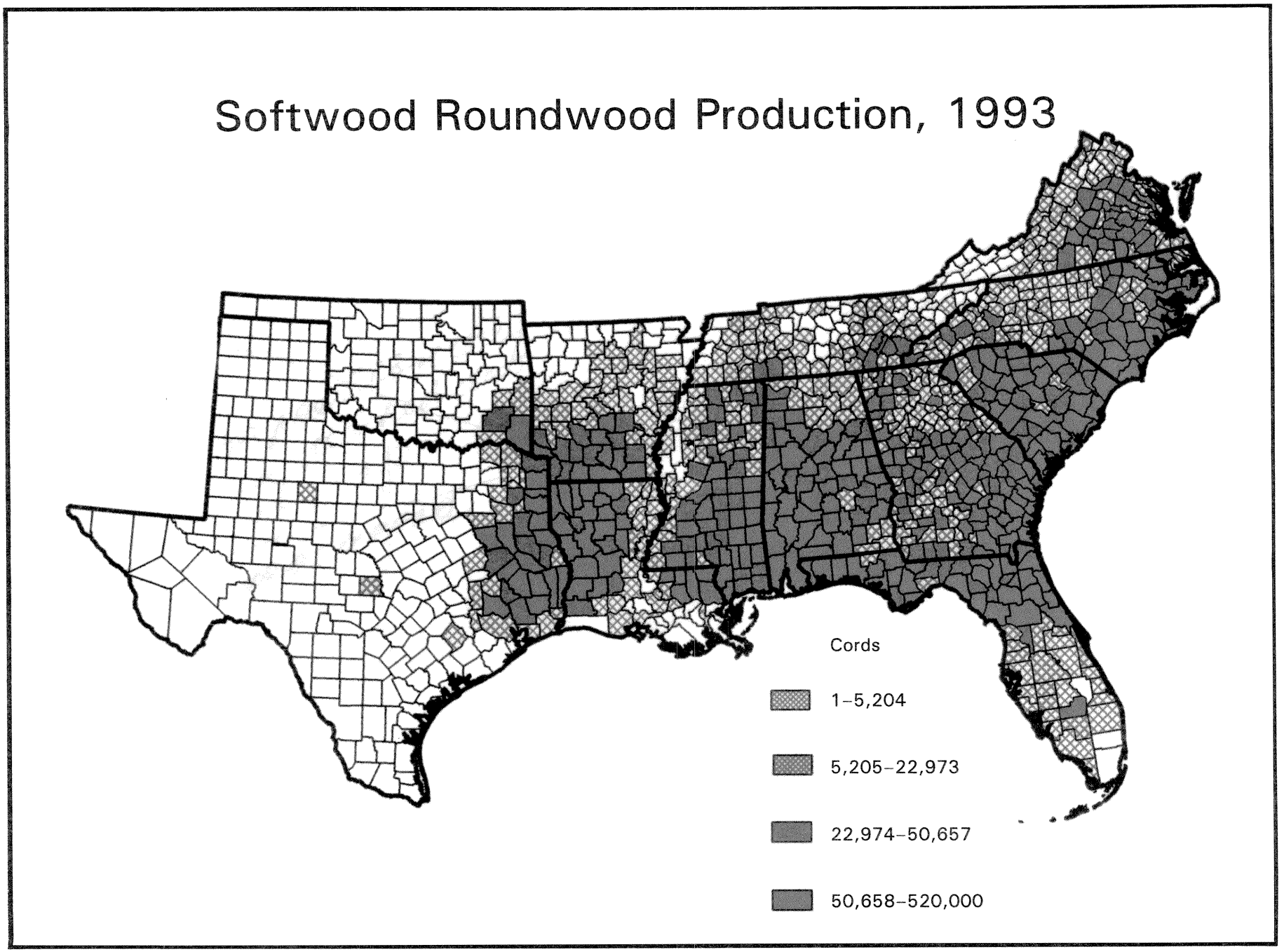

Figure 2—Softwood roundwood production in the South by county or parish, 1993.

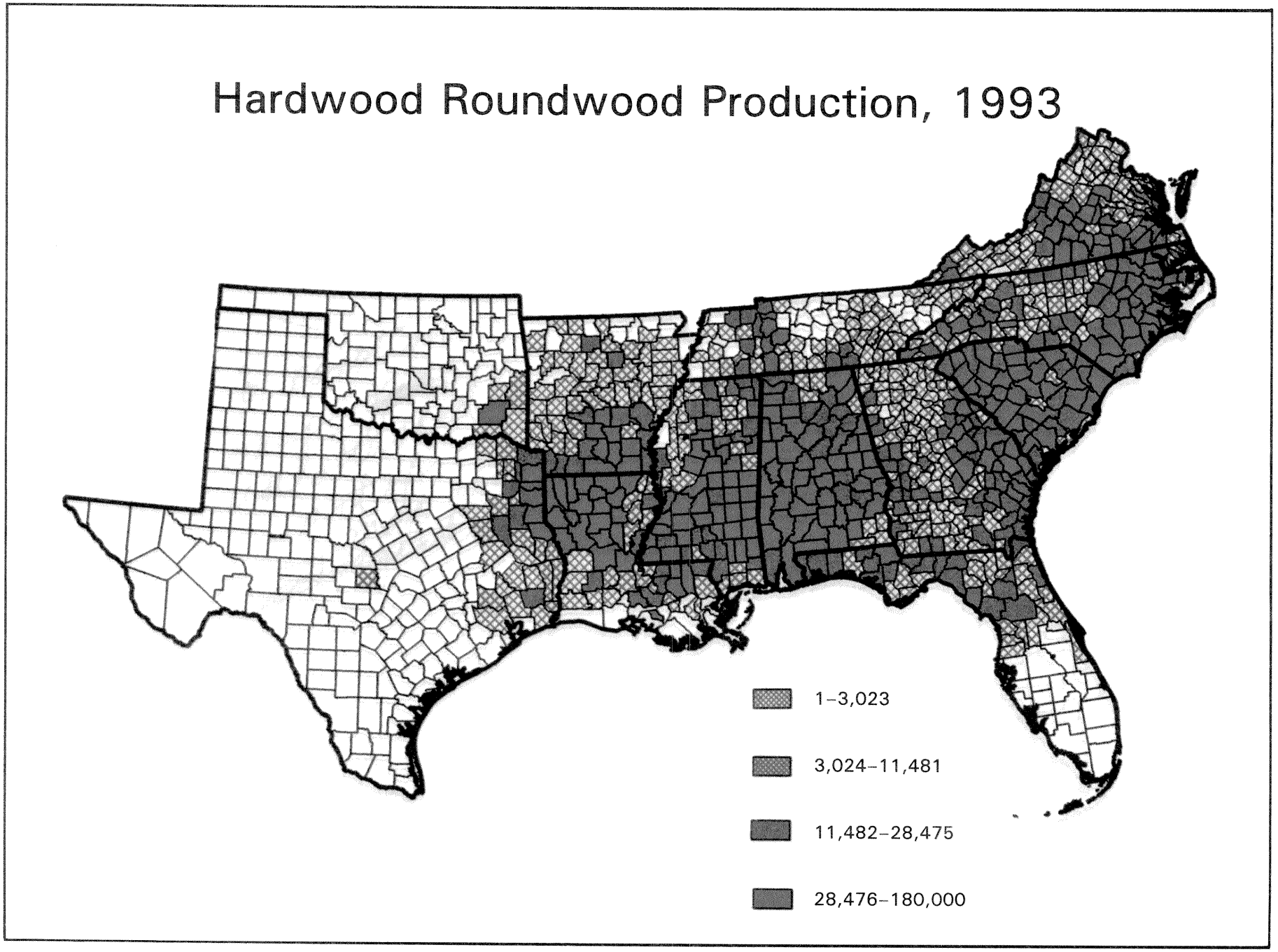

Figure 3—Hardwood roundwood production in the South by county or parish, 1993.

counties or parishes produced over 400,000 cords, 2 counties or parishes produced more than 300,000 cords, 20 counties or parishes produced 200,000 to 300,000 cords, and 118 counties or parishes produced 100,000 or more cords (tables 7-18). Alabama led all States with 31 counties producing more than 100,000 cords of roundwood pulpwood per county. Softwood and hardwood roundwood production appears to be concentrated in Southwest Alabama, where 17 and 7 counties, respectively, produced 100,000 cords or more.

Mills

In 1993, 102 Southern pulpmills were operating and drawing wood from the 12 Southern States (fig. 4). This represents a loss of one mill since 1992. At the same time, pulping capacity declined from 133,400 to 132,327 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. Alabama led in pulping capacity with 21,493 tons per day, to Georgia's 21,070 tons per day. In addition, four pulpmills from outside the Southern region drew wood from the South in 1993 (table 20).

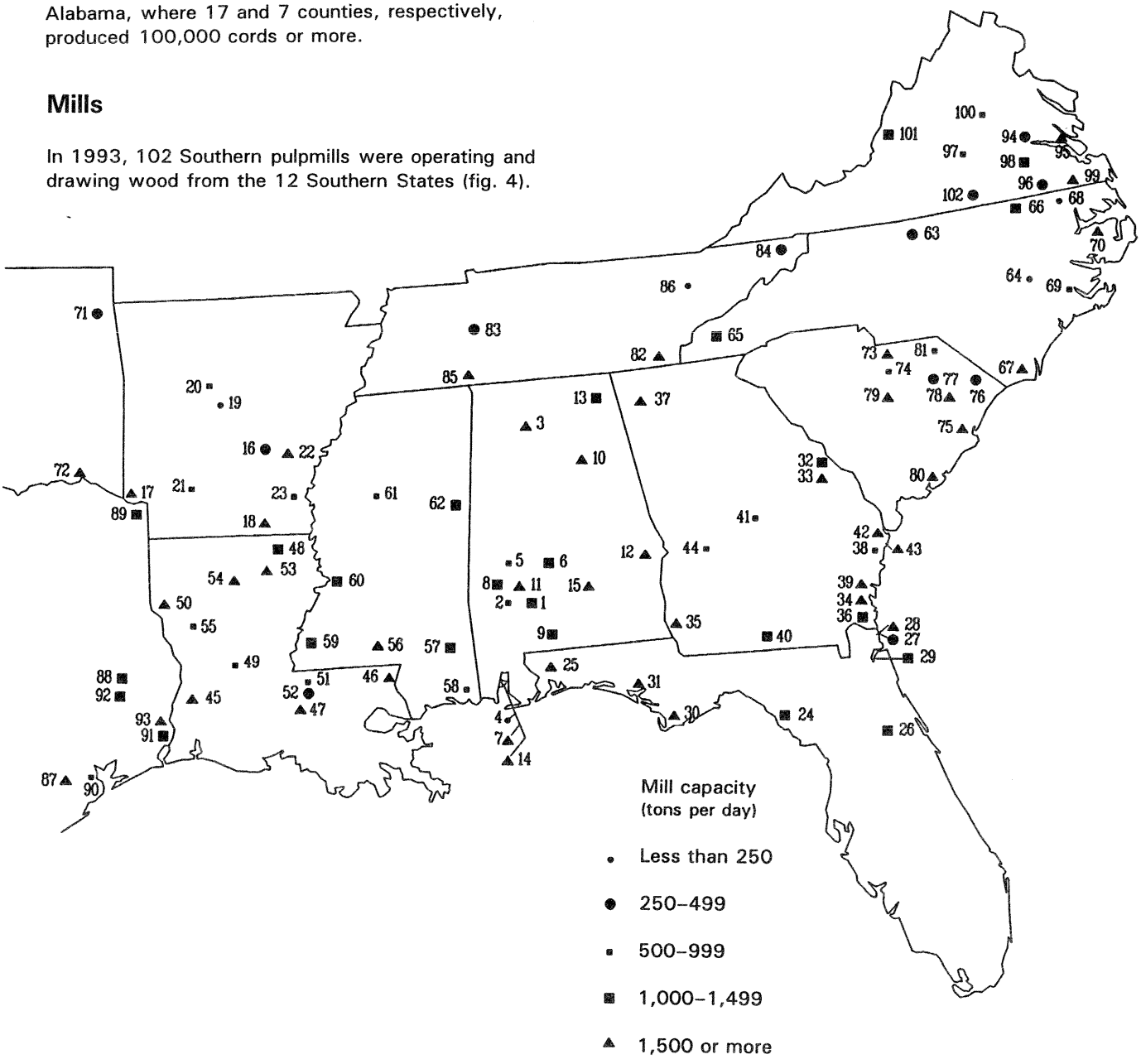

Figure 4–1993 capacity of Southern pulpmills operating and drawing wood from the 12 Southern States. Numerals are coded to table 19.

Trends

From 1984 through 1993, Southern pulpwood production increased almost 13 percent, from 58.7 to 66.3 million cords (fig. 5). During the same period, roundwood pulpwood production increased from 38.7 to 46.3 million cords, a 20 percent gain. Between 1984 and 1993 hardwood roundwood production increased 32 percent, whereas softwood roundwood production increased 14 percent. Since 1984, the output and use of wood residues have remained relatively stable. Wood residues decreased less than 1 percent from 20.0 million cords in 1984 to 19.9 million cords in 1993. In spite of this small decline, 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 1993.

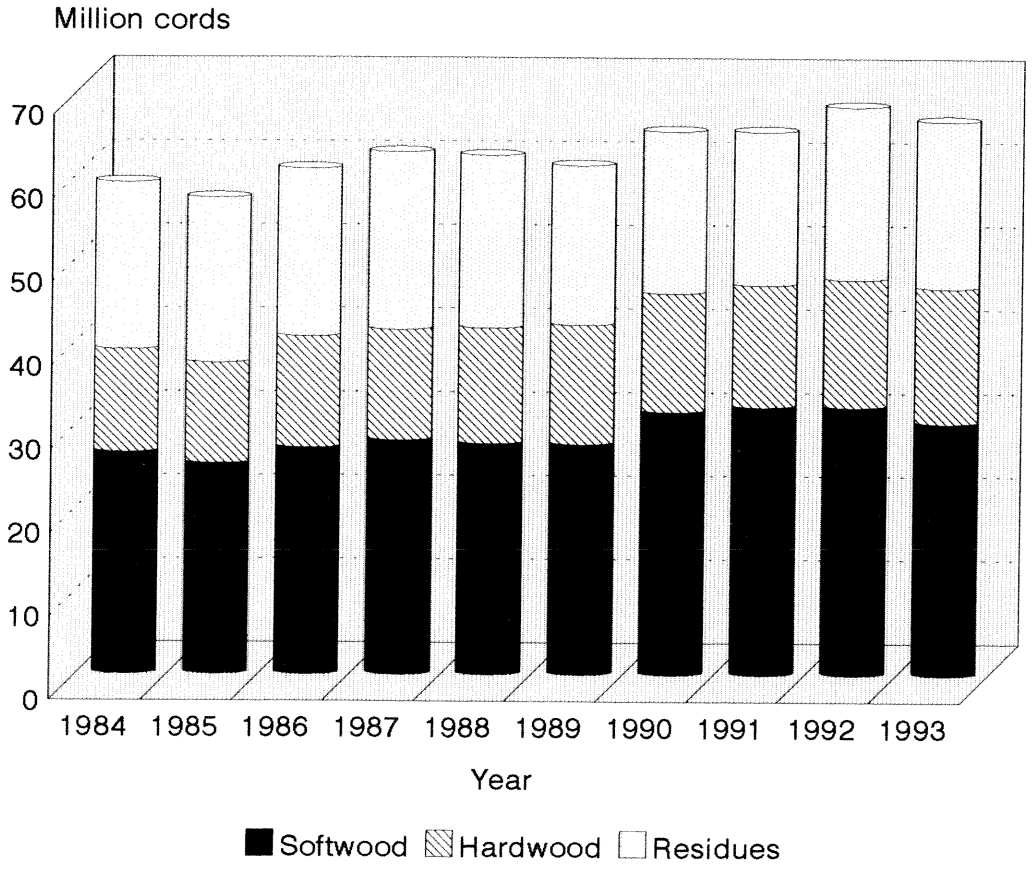

Figure 5—Southern pulpwood production, 1984-1993.

Table 1--Pulpwood production in the Southeast and the Midsouth, 1993

Region and source of wood	All species	Softwood	Hardwood
		Standard cords	
Southeast[a]			
Roundwood	22,701,844	15,648,951	7,052,893
Residues	7,559,991	6,130,414	1,429,577
Total	30,261,835	21,779,365	8,482,470
Midsouth[b]			
Roundwood	23,640,266	14,476,840	9,163,426
Residues	12,369,255	9,275,984	3,093,271
Total	36,009,521	23,752,824	12,256,697
Entire South			
Roundwood	46,342,110	30,125,791	16,216,319
Residues	19,929,246	15,406,398	4,522,848
Total	66,271,356	45,532,189	20,739,167

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

[b] States of Alabama, Arkansas, Louisiana, Mississippi, Oklahoma, Tennessee, and Texas.

Table 2--Pulpwood production in the South during 1993 and change since 1992

State	Pulpwood	Change
	Thousand cords	*Percent*
Alabama	10,328.5	-9
Arkansas	4,607.1	-4
Florida	4,679.7	-5
Georgia	9,635.9	-6
Louisiana	7,122.3	3
Mississippi	7,799.7	3
North Carolina	6,658.8	5
Oklahoma	541.1	-45
South Carolina	5,704.4	5
Tennessee	1,376.7	3
Texas	4,234.2	-7
Virginia	3,583.0	3
All States	66,271.4	-2

Table 3--Roundwood production in the South, by State and species group, 1993

State	All species	Softwood	Hardwood
		Thousand cords	
Alabama	8,002.1	4,700.0	3,302.1
Arkansas	2,021.8	1,164.2	857.6
Florida	3,904.1	3,395.0	509.1
Georgia	7,004.3	5,067.6	1,936.7
Louisiana	4,581.3	3,154.8	1,426.5
Mississippi	5,310.1	2,812.0	2,498.1
North Carolina	4,799.8	2,767.5	2,032.3
Oklahoma	261.9	218.9	43.0
South Carolina	4,440.6	2,940.7	1,499.9
Tennessee	1,138.4	599.8	538.6
Texas	2,324.7	1,827.1	497.6
Virginia	2,553.1	1,478.1	1,075.0
All States	46,342.2	30,125.7	16,216.5

Table 4--Roundwood production in the South, by State and species group, 1993 and 1992

State	Change from 1992	1993			1992		
		All species	Softwood	Hardwood	All species	Softwood	Hardwood
	Percent			*Thousand cords*			
Alabama	-8	8,002.1	4,700.0	3,302.1	8,704.1	5,105.2	3,598.9
Arkansas	-9	2,021.8	1,164.2	857.6	2,213.3	1,387.1	826.2
Florida	-9	3,904.1	3,395.0	509.1	4,268.9	3,851.6	417.3
Georgia	-1	7,004.3	5,067.6	1,936.7	7,040.9	5,503.6	1,537.4
Louisiana	3	4,581.3	3,154.8	1,426.5	4,461.5	3,107.9	1,353.6
Mississippi	-1	5,310.1	2,812.0	2,498.1	5,359.4	2,851.9	2,507.4
North Carolina	6	4,799.8	2,767.5	2,032.3	4,525.5	2,802.3	1,723.2
Oklahoma	-69	261.9	218.9	43.0	848.0	710.3	137.7
South Carolina	14	4,440.6	2,940.7	1,499.9	3,878.3	2,764.7	1,113.6
Tennessee	11	1,138.4	599.8	538.6	1,027.9	564.5	463.4
Texas	-8	2,324.7	1,827.1	497.6	2,516.9	2,007.6	509.4
Virginia	6	2,553.1	1,478.1	1,075.0	2,406.5	1,333.3	1,073.2
All States	-2	46,342.2	30,125.7	16,216.5	47,251.4	31,990.1	15,261.3

Table 5--Southern output of wood residues for pulp manufacture, by State and species group, 1993 and 1992

State	Change from 1992	1993			1992		
		All species	Softwood	Hardwood	All species	Softwood	Hardwood
	Percent	*Thousand cords*					
Alabama	-12	2,326.3	1,839.2	487.1	2,650.0	1,932.2	717.8
Arkansas	-1	2,585.3	1,746.9	838.4	2,603.4	1,723.6	879.8
Florida	16	775.7	736.3	39.4	666.3	617.2	49.1
Georgia	-17	2,631.6	2,339.5	292.1	3,184.5	2,739.0	445.5
Louisiana	3	2,541.0	1,975.8	565.2	2,462.1	1,889.9	572.2
Mississippi	12	2,489.6	2,110.0	379.6	2,222.2	1,927.2	295.0
North Carolina	2	1,859.0	1,293.7	565.3	1,825.8	1,291.8	534.0
Oklahoma	95	279.2	192.1	87.1	143.5	128.5	15.0
South Carolina	-18	1,263.8	1,074.0	189.8	1,531.9	1,346.1	185.9
Tennessee	-23	238.3	29.4	208.9	309.1	158.3	150.8
Texas	-5	1,909.5	1,382.6	526.9	2,017.1	1,480.8	536.1
Virginia	-4	1,029.9	686.9	343.0	1,072.3	637.6	434.7
All States	-4	19,929.2	15,406.4	4,522.8	20,688.2	15,872.2	4,816.0

Table 6--Southern output of wood residues for pulp manufacture, by State and type of residue, 1993

State	All types	Chips			Other residues[a]		
		All species	Softwood	Hardwood	All species	Softwood	Hardwood
		Thousand cords					
Alabama	2,326.3	2,308.9	1,839.2	469.7	17.4	0	17.4
Arkansas	2,585.3	2,580.3	1,746.9	833.4	5.0	0	5.0
Florida	775.7	768.2	728.8	39.4	7.5	7.5	0
Georgia	2,631.6	2,631.6	2,339.5	292.1	0	0	0
Louisiana	2,541.0	2,541.0	1,975.8	565.2	0	0	0
Mississippi	2,489.6	2,478.2	2,110.0	368.2	11.4	0	11.4
North Carolina	1,859.0	1,856.6	1,292.2	564.4	2.4	1.5	0.9
Oklahoma	279.2	279.2	192.1	87.1	0	0	0
South Carolina	1,263.8	1,263.8	1,074.0	189.8	0	0	0
Tennessee	238.3	233.9	29.4	204.5	4.4	0	4.4
Texas	1,909.5	1,909.5	1,382.6	526.9	0	0	0
Virginia	1,029.9	1,029.9	686.9	343.0	0	0	0
All States	19,929.2	19,881.1	15,397.4	4,483.7	48.1	9.0	39.1

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

Table 7--Round pulpwood production in Alabama, 1993

County[a]	All species	Softwood	Hardwood
	Standard cords		
Autauga	92,817	63,178	29,639
Baldwin	225,341	157,730	67,611
Barbour	111,813	68,929	42,884
Bibb	207,828	120,259	87,569
Blount	43,935	15,794	28,141
Bullock	65,386	37,680	27,706
Butler	251,489	179,871	71,618
Calhoun	61,680	36,740	24,940
Chambers	67,481	36,720	30,761
Cherokee	21,751	13,838	7,913
Chilton	77,938	43,283	34,655
Choctaw	256,613	132,778	123,835
Clarke	437,854	265,152	172,702
Clay	87,410	51,112	36,298
Cleburne	75,895	47,252	28,643
Coffee	166,346	131,687	34,659
Colbert	72,271	39,675	32,596
Conecuh	407,451	279,055	128,396
Coosa	97,905	68,061	29,844
Covington	134,606	102,049	32,557
Crenshaw	95,004	55,343	39,661
Cullman	43,322	21,009	22,313
Dale	9,927	6,939	2,988
Dallas	153,378	93,227	60,151
De Kalb	45,336	12,747	32,589
Elmore	54,164	25,724	28,440
Escambia	169,866	124,391	45,475
Etowah	33,853	13,291	20,562
Fayette	150,025	98,205	51,820
Franklin	117,976	42,346	75,630
Geneva	14,431	9,405	5,026
Greene	106,360	50,795	55,565
Hale	66,679	29,296	37,383
Henry	20,495	14,472	6,023
Houston	1,125	472	653
Jackson	45,296	9,380	35,916
Jefferson	93,757	50,611	43,146
Lamar	110,819	39,506	71,313
Lauderdale	34,098	10,675	23,423
Lawrence	40,003	18,339	21,664
Lee	89,698	55,138	34,560
Limestone	6,985	2,641	4,344
Lowndes	145,894	83,272	62,622
Macon	82,816	41,397	41,419
Madison	16,008	5,698	10,310
Marengo	171,326	74,408	96,918
Marion	115,238	37,604	77,634
Marshall	20,003	5,842	14,161
Mobile	149,848	121,696	28,152
Monroe	437,306	329,353	107,953
Montgomery	46,165	21,381	24,784
Morgan	34,305	22,843	11,462
Perry	95,740	43,282	52,458
Pickens	190,004	114,533	75,471
Pike	73,905	43,668	30,237
Randolph	152,268	104,035	48,233
Russell	61,679	29,409	32,270
St. Clair	75,859	57,754	18,105
Shelby	114,904	99,156	15,748
Sumter	165,209	100,676	64,533
Talladega	161,077	81,475	79,602
Tallapoosa	186,893	73,038	113,855
Tuscaloosa	180,210	52,478	127,732
Walker	201,238	114,760	86,478
Washington	248,531	150,884	97,647
Wilcox	307,241	144,435	162,806
Winston	102,058	72,090	29,968
All counties	8,002,132	4,699,962	3,302,170

[a] Counties with no pulpwood production are omitted.

Table 8--Round pulpwood production in Arkansas, 1993

County[a]	All species	Softwood	Hardwood
	Standard cords		
Arkansas	19,484	68	19,416
Ashley	147,463	65,758	81,705
Baxter	32	0	32
Boone	21	0	21
Bradley	176,665	66,798	109,867
Calhoun	114,309	80,152	34,157
Carroll	10	0	10
Chicot	30,011	1,536	28,475
Clark	37,969	30,524	7,445
Cleburne	15,183	3,023	12,160
Cleveland	84,272	47,417	36,855
Columbia	145,877	118,241	27,636
Conway	252	16	236
Craighead	275	0	275
Crittenden	938	0	938
Cross	1,442	34	1,408
Dallas	126,482	64,459	62,023
Desha	16,571	34	16,537
Drew	97,334	46,980	50,354
Faulkner	11,627	1,404	10,223
Franklin	1,014	0	1,014
Garland	7,388	2,866	4,522
Grant	103,793	66,724	37,069
Hempstead	34,050	25,772	8,278
Hot Springs	39,855	22,658	17,197
Howard	9,295	8,907	388
Independence	11,308	220	11,088
Jackson	390	127	263
Jefferson	53,836	26,637	27,199
Johnson	30	0	30
Lafayette	53,498	30,464	23,034
Lawrence	87	0	87
Lee	2,120	49	2,071
Lincoln	23,438	12,282	11,156
Little River	103,209	100,877	2,332
Lonoke	2,715	115	2,600
Miller	59,161	38,793	20,368
Monroe	900	25	875
Montgomery	7,643	7,491	152
Nevada	44,608	35,324	9,284
Newton	43	0	43
Ouachita	71,355	49,885	21,470
Perry	3,921	342	3,579
Phillips	2,465	29	2,436
Pike	11,909	10,196	1,713
Poinsett	20	10	10
Polk	8,428	8,148	280
Pope	133	0	133
Prairie	3,673	0	3,673
Pulaski	6,062	1,397	4,665
St. Francis	422	187	235
Saline	27,630	16,417	11,213
Scott	4,765	4,669	96
Searcy	11,830	72	11,758
Sevier	26,077	24,562	1,515
Sharp	15	15	0
Stone	10,177	227	9,950
Union	225,479	138,664	86,815
Van Buren	11,627	2,218	9,409
Washington	11	0	11
White	10,436	1,351	9,085
Woodruff	622	17	605
Yell	150	25	125
All counties	2,021,805	1,164,206	857,599

[a] Counties with no pulpwood production are omitted.

Table 9--Round pulpwood production in Florida, 1993

County[a]	All species	Softwood	Hardwood
		Standard cords	
Alachua	144,554	132,745	11,809
Baker	97,026	90,249	6,777
Bay	175,682	160,486	15,196
Bradford	77,310	61,698	15,612
Brevard	13,636	13,631	5
Calhoun	114,105	97,365	16,740
Charlotte	1,190	1,190	0
Citrus	22,816	17,285	5,531
Clay	63,095	57,809	5,286
Collier	201	201	0
Columbia	120,792	112,911	7,881
De Soto	14,374	14,374	0
Dixie	155,382	115,838	39,544
Duval	79,849	74,638	5,211
Escambia	65,809	53,353	12,456
Flagler	88,307	78,091	10,216
Franklin	92,854	91,008	1,846
Gadsden	72,937	61,414	11,523
Gilchrist	50,233	45,607	4,626
Glades	38,739	38,739	0
Gulf	49,197	48,741	456
Hamilton	66,398	57,911	8,487
Hardee	6,689	6,689	0
Hendry	12,448	12,448	0
Hernando	18,130	14,908	3,222
Highlands	4,457	4,457	0
Hillsborough	3,542	3,542	0
Holmes	35,344	22,240	13,104
Indian River	2,220	2,220	0
Jackson	86,863	49,890	36,973
Jefferson	45,307	33,531	11,776
Lafayette	45,443	40,643	4,800
Lake	17,237	15,811	1,426
Lee	1,309	1,309	0
Leon	65,974	42,334	23,640
Levy	99,915	79,157	20,758
Liberty	86,894	75,728	11,166
Madison	74,149	49,892	24,257
Manatee	147	147	0
Marion	120,456	103,982	16,474
Martin	28	28	0
Monroe	7	7	0
Nassau	149,631	131,486	18,145
Okaloosa	95,251	81,889	13,362
Orange	3,935	3,935	0
Osceola	3,683	3,683	0
Palm Beach	9	9	0
Pasco	14,247	12,099	2,148
Pinellas	20	20	0
Polk	5,476	5,476	0
Putnam	72,876	62,134	10,742
St. Johns	99,999	86,041	13,958
St. Lucie	1,766	1,766	0
Santa Rosa	184,299	167,270	17,029
Sarasota	3,953	3,953	0
Seminole	13,985	13,985	0
Sumter	33,603	28,232	5,371
Suwannee	78,853	70,349	8,504
Taylor	543,514	516,098	27,416
Union	43,440	38,206	5,234
Volusia	64,420	57,438	6,982
Wakulla	22,235	21,798	437
Walton	66,051	59,012	7,039
Washington	71,760	45,863	25,897
All counties	3,904,051	3,394,989	509,062

[a] Counties with no pulpwood production are omitted.

Table 10--Round pulpwood production in Georgia, 1993

County[a]	All species	Softwood	Hardwood
		Standard cords	
Appling	145,660	122,081	23,579
Atkinson	45,321	41,763	3,558
Bacon	64,693	51,901	12,792
Baker	28,379	23,321	5,058
Baldwin	41,552	30,261	11,291
Banks	9,017	5,222	3,795
Barrow	2,331	1,136	1,195
Bartow	48,993	46,651	2,342
Ben Hill	59,070	44,752	14,318
Berrien	28,643	24,703	3,940
Bibb	25,300	18,475	6,825
Bleckley	19,567	11,848	7,719
Brantley	120,755	107,052	13,703
Brooks	16,297	7,800	8,497
Bryan	66,562	53,869	12,693
Bulloch	66,425	35,293	31,132
Burke	142,564	58,187	84,377
Butts	32,717	31,067	1,650
Calhoun	13,944	9,097	4,847
Camden	157,626	130,614	27,012
Candler	65,887	32,272	33,615
Carroll	65,661	51,318	14,343
Catoosa	11,596	9,771	1,825
Charlton	131,947	118,058	13,889
Chatham	60,334	44,432	15,902
Chattahoochee	36,341	21,928	14,413
Chattooga	19,553	10,622	8,931
Cherokee	18,814	15,317	3,497
Clarke	1,547	65	1,482
Clay	14,548	8,667	5,881
Clayton	113	100	13
Clinch	192,625	177,887	14,738
Cobb	3,007	2,047	960
Coffee	61,533	46,645	14,888
Colquitt	16,216	10,940	5,276
Columbia	30,944	19,536	11,408
Cook	4,648	3,120	1,528
Coweta	30,769	26,976	3,793
Crawford	66,507	46,672	19,835
Crisp	20,894	3,534	17,360
Dade	1,808	1,058	750
Dawson	25,683	23,923	1,760
Decatur	36,688	27,461	9,227
De Kalb	2,341	2,225	116
Dodge	79,519	50,430	29,089
Dooly	8,656	7,633	1,023
Dougherty	35,503	31,384	4,119
Douglas	18,043	15,782	2,261
Early	35,061	17,858	17,203
Echols	188,949	186,426	2,523
Effingham	96,547	55,628	40,919
Elbert	32,894	11,470	21,424
Emanuel	83,527	49,190	34,337
Evans	35,778	24,063	11,715
Fannin	17,256	15,148	2,108
Fayette	1,345	852	493
Floyd	96,430	84,375	12,055
Forsyth	1,045	829	216
Franklin	14,232	11,004	3,228
Fulton	12,200	11,105	1,095
Gilmer	27,401	26,712	689
Glascock	27,679	11,973	15,706
Glynn	92,975	66,440	26,535
Gordon	38,193	36,826	1,367
Grady	46,388	29,274	17,114
Greene	48,433	22,642	25,791
Gwinnett	16,256	15,726	530
Habersham	5,247	2,193	3,054
Hall	417	393	24
Hancock	100,866	62,480	38,386
Haralson	34,285	18,003	16,282
Harris	60,716	45,513	15,203
Hart	3,029	844	2,185
Heard	13,641	10,798	2,843
Henry	37,464	36,728	736
Houston	44,891	41,964	2,927
Irwin	18,282	15,384	2,898
Jackson	26,941	25,011	1,930
Jasper	44,910	41,712	3,198
Jeff Davis	92,631	73,607	19,024
Jefferson	52,207	24,304	27,903
Jenkins	51,166	26,674	24,492
Johnson	51,680	31,695	19,985
Jones	55,519	46,528	8,991
Lamar	83,616	83,037	579
Lanier	19,782	17,888	1,894
Laurens	79,766	40,848	38,918
Lee	21,657	16,217	5,440
Liberty	117,492	79,692	37,800
Lincoln	34,871	7,527	27,344
Long	93,570	63,698	29,872
Lowndes	33,908	27,194	6,714
Lumpkin	4,649	4,183	466

Continued

Table 10--Round pulpwood production in Georgia, 1993--Continued

County[a]	All species	Softwood	Hardwood
		Standard cords	
McDuffie	31,162	17,679	13,483
McIntosh	125,695	96,047	29,648
Macon	18,529	16,345	2,184
Madison	7,631	6,666	965
Marion	52,988	32,312	20,676
Meriwether	128,079	98,669	29,410
Miller	14,813	9,620	5,193
Mitchell	16,596	6,267	10,329
Monroe	74,247	67,176	7,071
Montgomery	31,953	23,103	8,850
Morgan	14,313	11,785	2,528
Murray	24,220	22,650	1,570
Muscogee	4,375	2,564	1,811
Newton	11,777	11,568	209
Oconee	6,141	5,866	275
Oglethrope	50,225	18,642	31,583
Paulding	19,232	19,232	0
Peach	5,954	5,549	405
Pickens	8,945	7,874	1,071
Pierce	33,915	27,254	6,661
Pike	9,829	8,037	1,792
Polk	41,972	41,937	35
Pulaski	7,266	5,646	1,620
Putnam	72,675	57,208	15,467
Quitman	20,314	13,062	7,252
Rabun	740	477	263
Randolph	66,619	30,577	36,042
Richmond	23,879	7,420	16,459
Rockdale	1,658	1,656	2
Schley	47,163	43,492	3,671
Screven	85,818	35,693	50,125
Seminole	12,224	10,151	2,073
Spalding	17,542	16,175	1,367
Stephens	4,324	2,189	2,135
Stewart	59,733	34,885	24,848
Sumter	43,593	22,945	20,648
Talbot	40,314	24,727	15,587
Taliaferro	40,874	16,071	24,803
Tattnall	66,258	50,293	15,965
Taylor	37,238	32,783	4,455
Telfair	71,490	63,173	8,317
Terrell	32,058	22,273	9,785
Thomas	36,955	24,005	12,950
Tift	22,959	20,775	2,184
Toombs	51,966	39,839	12,127
Towns	2,705	763	1,942
Treutlen	37,984	26,615	11,369
Troup	93,308	71,348	21,960
Turner	11,517	10,121	1,396
Twiggs	51,076	40,937	10,139
Union	7,267	6,240	1,027
Upson	33,780	27,883	5,897
Walker	19,434	16,828	2,606
Walton	4,368	1,023	3,345
Ware	105,689	103,538	2,151
Warren	64,107	29,142	34,965
Washington	111,946	28,356	83,590
Wayne	115,674	98,351	17,323
Webster	86,083	59,187	26,896
Wheeler	26,848	19,412	7,436
White	14,228	14,036	192
Whitfield	27,907	26,907	1,000
Wilcox	57,294	53,681	3,613
Wilkes	115,440	56,535	58,905
Wilkinson	100,680	32,257	68,423
Worth	27,743	25,579	2,164
All counties	7,004,262	5,067,648	1,936,614

[a] Counties with no pulpwood production are omitted.

Table 11--Round pulpwood production in Louisiana, 1993

Parish[a]	All species	Softwood	Hardwood
		Standard cords	
Acadia	4,798	4,764	34
Allen	104,347	85,407	18,940
Ascension	13,428	3,022	10,406
Avoyelles	72,930	1,795	71,135
Beauregard	233,520	232,200	1,320
Bienville	225,581	167,145	58,436
Bossier	104,520	64,105	40,415
Caddo	118,061	69,365	48,696
Calcasieu	39,116	38,293	823
Caldwell	86,343	62,117	24,226
Catahoula	24,793	18,595	6,198
Claiborne	153,135	106,318	46,817
Concordia	34,965	11	34,954
De Soto	258,896	163,930	94,966
East Baton Rouge	20,408	7,379	13,029
East Carroll	10,222	24	10,198
East Feliciana	83,120	61,165	21,955
Evangeline	49,061	40,184	8,877
Franklin	6,633	262	6,371
Grant	77,726	48,708	29,018
Iberia	63	63	0
Iberville	25,022	38	24,984
Jackson	199,525	144,319	55,206
Jefferson	46	8	38
Jefferson Davis	5,164	5,145	19
La Salle	132,552	89,900	42,652
Lincoln	133,765	89,240	44,525
Livingston	90,332	57,975	32,357
Madison	59,384	16	59,368
Morehouse	64,185	21,340	42,845
Natchitoches	395,383	301,926	93,457
Ouachita	68,896	40,319	28,577
Pointe Coupee	7,009	0	7,009
Rapides	161,408	131,076	30,332
Red River	54,398	30,829	23,569
Richland	5,982	334	5,648
Sabine	261,509	193,252	68,257
St. Charles	514	0	514
St. Helena	158,297	110,297	48,000
St. James	650	0	650
St. Landry	8,331	99	8,232
St. Martin	30,811	0	30,811
St. Tammany	36,182	28,665	7,517
Tangipahoa	101,688	69,611	32,077
Tensas	3,392	188	3,204
Union	230,115	165,590	64,525
Vermilion	12	12	0
Vernon	274,128	272,376	1,752
Washington	95,604	79,720	15,884
Webster	114,127	77,238	36,889
West Baton Rouge	3,167	166	3,001
West Carroll	2,857	346	2,511
West Feliciana	12,425	2,882	9,543
Winn	122,816	67,080	55,736
All parishes	4,581,342	3,154,839	1,426,503

[a] Parishes with no pulpwood production are omitted.

Table 12--Round pulpwood production in Mississippi, 1993

County[a]	All species	Softwood	Hardwood
		Standard cords	
Adams	56,263	2,063	54,200
Alcorn	28,907	16,663	12,244
Amite	103,512	69,746	33,766
Attala	165,329	82,507	82,822
Benton	12,898	7,281	5,617
Bolivar	23	23	0
Calhoun	19,840	11,443	8,397
Carroll	57,622	19,512	38,110
Chickasaw	74,415	70,151	4,264
Choctaw	167,681	44,666	123,015
Claiborne	50,090	15,204	34,886
Clarke	190,884	96,375	94,509
Clay	32,212	11,711	20,501
Coahoma	10	0	10
Copiah	80,454	51,585	28,869
Covington	73,722	34,102	39,620
DeSoto	3,840	1,587	2,253
Forrest	127,021	69,610	57,411
Franklin	42,732	25,835	16,897
George	44,981	30,724	14,257
Greene	198,013	135,702	62,311
Grenada	96,389	19,279	77,110
Hancock	62,940	56,412	6,528
Harrison	46,543	40,654	5,889
Hinds	61,014	27,031	33,983
Holmes	133,447	47,780	85,667
Humphreys	807	0	807
Issaquena	25,902	735	25,167
Itawamba	77,244	29,872	47,372
Jackson	53,437	45,119	8,318
Jasper	95,837	50,849	44,988
Jefferson	69,411	16,545	52,866
Jefferson Davis	55,647	39,507	16,140
Jones	143,002	67,849	75,153
Kemper	210,535	136,057	74,478
Lafayette	41,311	28,870	12,441
Lamar	65,658	52,406	13,252
Lauderdale	194,325	79,884	114,441
Lawrence	92,522	70,172	22,350
Leake	94,429	39,489	54,940
Lee	6,740	3,982	2,758
Leflore	1,459	77	1,382
Lincoln	81,331	48,861	32,470
Lowndes	36,952	2,284	34,668
Madison	66,874	35,289	31,585
Marion	65,240	41,609	23,631
Marshall	81,171	27,671	53,500
Monroe	29,321	13,153	16,168
Montgomery	81,354	33,494	47,860
Neshoba	102,600	38,669	63,931
Newton	100,579	39,782	60,797
Noxubee	15,416	8,389	7,027
Oktibbeha	57,092	46,436	10,656
Panola	31,057	14,126	16,931
Pearl River	138,772	110,758	28,014
Perry	88,455	55,679	32,776
Pike	55,943	40,023	15,920
Pontotoc	9,619	5,387	4,232
Prentiss	50,140	23,478	26,662
Quitman	706	572	134
Rankin	137,158	80,361	56,797
Scott	62,871	44,596	18,275
Sharkey	2,307	80	2,227
Simpson	83,595	47,186	36,409
Smith	95,990	45,771	50,219
Stone	41,424	31,989	9,435
Sunflower	161	0	161
Tallahatchie	18,577	8,461	10,116
Tate	9,811	8,766	1,045
Tippah	50,059	28,551	21,508
Tishomingo	50,962	31,116	19,846
Tunica	10	0	10
Union	17,412	10,610	6,802
Walthall	18,112	14,129	3,983
Warren	34,614	1,931	32,683
Washington	12,501	0	12,501
Wayne	177,023	116,905	60,118
Webster	32,032	16,412	15,620
Wilkinson	56,353	21,042	35,311
Winston	92,314	29,182	63,132
Yalobusha	53,457	36,482	16,975
Yazoo	11,640	3,727	7,913
All counties	5,310,053	2,812,016	2,498,037

[a] Counties with no pulpwood production are omitted.

Table 13--Round pulpwood production in North Carolina, 1993

County[a]	All species	Softwood	Hardwood
	Standard cords		
Alamance	6,665	2,498	4,167
Alexander	11,039	4,123	6,916
Alleghany	778	171	607
Anson	75,538	63,047	12,491
Ashe	2,376	259	2,117
Avery	6,571	2,368	4,203
Beaufort	299,536	195,747	103,789
Bertie	176,361	83,513	92,848
Bladen	104,217	60,953	43,264
Brunswick	109,237	83,048	26,189
Buncombe	67,084	30,227	36,857
Burke	55,793	25,926	29,867
Cabarrus	4,861	4,478	383
Caldwell	24,722	10,789	13,933
Camden	25,804	19,499	6,305
Carteret	77,489	58,170	19,319
Caswell	19,810	7,447	12,363
Catawba	9,530	5,070	4,460
Chatham	14,477	5,204	9,273
Cherokee	52,814	28,774	24,040
Chowan	43,564	18,367	25,197
Clay	9,694	3,109	6,585
Cleveland	21,274	13,263	8,011
Columbus	210,683	137,218	73,465
Craven	163,191	135,359	27,832
Cumberland	60,237	42,794	17,443
Currituck	30,422	8,008	22,414
Dare	445	53	392
Davidson	9,526	6,532	2,994
Davie	271	63	208
Duplin	90,835	53,985	36,850
Durham	3,593	3,549	44
Edgecombe	59,795	22,596	37,199
Forsyth	315	7	308
Franklin	37,192	24,703	12,489
Gaston	12,942	9,138	3,804
Gates	109,605	54,150	55,455
Graham	10,457	4,482	5,975
Granville	27,101	21,440	5,661
Greene	22,832	4,403	18,429
Guilford	8,597	3,861	4,736
Halifax	150,088	58,514	91,574
Harnett	33,035	30,012	3,023
Haywood	69,649	27,677	41,972
Henderson	6,365	2,464	3,901
Hertford	119,540	75,795	43,745
Hoke	13,162	10,975	2,187
Hyde	37,944	26,599	11,345
Iredell	35,774	20,770	15,004
Jackson	23,752	13,166	10,586
Johnston	53,445	29,494	23,951
Jones	82,297	52,910	29,387
Lee	27,061	16,143	10,918
Lenoir	59,896	22,324	37,572
Lincoln	35,003	21,335	13,668
McDowell	37,522	13,554	23,968
Macon	25,779	12,900	12,879
Madison	6,381	1,450	4,931
Martin	64,659	42,185	22,474
Mecklenburg	5,546	4,831	715
Mitchell	5,316	2,368	2,948
Montgomery	42,727	23,576	19,151
Moore	92,573	56,905	35,668
Nash	55,833	21,772	34,061
New Hanover	64,003	54,978	9,025
Northampton	74,095	15,462	58,633
Onslow	125,307	83,496	41,811
Orange	5,100	4,225	875
Pamlico	54,399	37,837	16,562
Pasquotank	17,499	3,506	13,993
Pender	117,166	81,802	35,364
Perquimans	26,874	15,706	11,168
Person	39,382	22,162	17,220
Pitt	65,782	41,157	24,625
Polk	25,966	17,051	8,915
Randolph	9,396	5,034	4,362
Richmond	35,666	31,371	4,295
Robeson	115,584	69,911	45,673
Rockingham	12,458	171	12,287
Rowan	17,799	7,654	10,145
Rutherford	61,244	31,741	29,503
Sampson	95,054	60,971	34,083
Scotland	42,438	30,218	12,220
Stanly	13,474	9,280	4,194
Stokes	13,321	3	13,318
Surry	5,040	269	4,771
Swain	16,751	7,474	9,277
Transylvania	8,726	2,695	6,031
Tyrrell	69,267	48,010	21,257
Union	66,471	12,870	53,601
Vance	34,577	25,023	9,554
Wake	105,801	40,649	65,152
Warren	79,914	40,371	39,543
Washington	67,209	38,713	28,496
Watauga	56	7	49
Wayne	98,972	65,631	33,341
Wilkes	20,829	4,278	16,551
Wilson	23,204	7,346	15,858
Yadkin	4,921	1,944	2,977
Yancey	5,483	2,387	3,096
All counties	4,799,848	2,767,513	2,032,335

[a] Counties with no pulpwood production are omitted.

Table 14--Round pulpwood production in Oklahoma, 1993

County[a]	All species	Softwood	Hardwood
		Standard cords	
Choctaw	4,486	4,389	97
Latimer	31	30	1
Le Flore	14,412	5,291	9,121
McCurtain	179,990	179,377	613
Pushmataha	62,933	29,814	33,119
All counties	261,852	218,901	42,951

[a] Counties with no pulpwood production are omitted.

Table 15--Round pulpwood production in South Carolina, 1993

County[a]	All species	Softwood	Hardwood
		Standard cords	
Abbeville	69,597	33,474	36,123
Aiken	142,185	106,244	35,941
Allendale	46,131	29,962	16,169
Anderson	23,658	8,463	15,195
Bamberg	47,840	25,188	22,652
Barnwell	63,360	28,389	34,971
Beaufort	43,407	32,720	10,687
Berkeley.	74,610	62,481	12,129
Calhoun	19,766	9,921	9,845
Charleston	46,299	39,206	7,093
Cherokee	50,316	39,988	10,328
Chester	92,655	46,650	46,005
Chesterfield	154,067	87,079	66,988
Clarendon	54,087	29,663	24,424
Colleton	133,977	103,995	29,982
Darlington	44,016	27,444	16,572
Dillon	67,163	33,516	33,647
Dorchester	104,178	82,532	21,646
Edgefield	116,663	66,127	50,536
Fairfield	157,891	127,243	30,648
Florence	86,855	43,817	43,038
Georgetown	205,387	169,329	36,058
Greenville	59,694	36,404	23,290
Greenwood	94,942	46,508	48,434
Hampton	171,998	109,822	62,176
Horry	143,044	102,816	40,228
Jasper	101,616	80,322	21,294
Kershaw	185,434	154,804	30,630
Lancaster	99,580	71,547	28,033
Laurens	120,094	83,155	36,939
Lee	31,611	21,055	10,556
Lexington	72,464	42,563	29,901
McCormick	59,176	25,873	33,303
Marion	81,752	33,255	48,497
Marlboro	94,682	68,128	26,554
Newberry	226,648	144,560	82,088
Oconee	73,232	54,630	18,602
Orangeburg	158,310	57,214	101,096
Pickens	31,724	12,080	19,644
Richland	103,521	59,298	44,223
Saluda	69,329	48,229	21,100
Spartanburg	172,539	129,714	42,825
Sumter	67,911	32,089	35,822
Union	107,215	87,275	19,940
Williamsburg	201,014	151,432	49,582
York	68,972	54,520	14,452
All counties	4,440,610	2,940,724	1,499,886

[a] Counties with no pulpwood production are omitted.

Table 16--Round pulpwood production in Tennessee, 1993

County*	All species	Softwood	Hardwood
	Standard cords		
Bedford	291	0	291
Benton	24,446	4,934	19,512
Bledsoe	12,434	4,898	7,536
Blount	23,282	22,278	1,004
Bradley	28,953	21,231	7,722
Campbell	532	532	0
Carroll	12,782	5,152	7,630
Carter	1,315	0	1,315
Chester	9,386	4,741	4,645
Claiborne	743	0	743
Coffee	8,643	5,298	3,345
Crockett	34	34	0
Cumberland	14,818	13,051	1,767
Decatur	3,962	970	2,992
Dyer	1,424	0	1,424
Fayette	202	193	9
Fentress	9,151	8,026	1,125
Franklin	14,505	220	14,285
Gibson	53	39	14
Giles	5,544	3,051	2,493
Grainger	1,330	0	1,330
Greene	1,985	32	1,953
Grundy	22,023	7,841	14,182
Hamilton	37,749	34,931	2,818
Hancock	1,127	20	1,107
Hardeman	11,325	6,301	5,024
Hardin	39,099	29,918	9,181
Hawkins	4,992	0	4,992
Haywood	392	290	102
Henderson	33,311	7,497	25,814
Henry	24,455	3,250	21,205
Hickman	54,454	3,325	51,129
Houston	12,630	602	12,028
Humphreys	15,549	27	15,522
Johnson	3,175	0	3,175
Knox	5,052	5,052	0
Lawrence	14,486	5,328	9,158
Lewis	15,952	8,223	7,729
Lincoln	800	297	503
Loudon	7,497	6,351	1,146
McMinn	59,529	48,048	11,481
McNairy	35,700	22,928	12,772
Madison	229	229	0
Marion	38,018	9,784	28,234
Maury	1,526	28	1,498
Meigs	43,809	32,859	10,950
Monroe	50,197	45,478	4,719
Montgomery	3,528	1,792	1,736
Moore	73	0	73
Morgan	24,437	18,256	6,181
Overton	5,930	5,566	364
Perry	23,346	7,353	15,993
Pickett	2,612	2,612	0
Polk	23,521	19,726	3,795
Putnam	5,159	1,350	3,809
Rhea	58,576	50,552	8,024
Roane	24,192	22,503	1,689
Scott	231	231	0
Sequatchie	26,743	24,221	2,522
Sevier	775	775	0
Shelby	1,188	1,188	0
Stewart	29,465	1,162	28,303
Sullivan	5,278	0	5,278
Sumner	1,625	1,625	0
Tipton	619	0	619
Unicoi	233	0	233
Van Buren	8,945	4,317	4,628
Warren	1,541	1,323	218
Washington	1,493	0	1,493
Wayne	135,775	37,902	97,873
Weakley	24,121	6,466	17,655
White	18,691	16,184	2,507
Williamson	1,415	1,415	0
All counties	1,138,403	599,806	538,597

* Counties with no pulpwood production are omitted.

Table 17--Round pulpwood production in Texas, 1993

County[a]	All species	Softwood	Hardwood
	Standard cords		
Anderson	128,293	125,031	3,262
Angelina	86,989	86,982	7
Bowie	58,716	38,926	19,790
Camp	9,291	2,789	6,502
Cass	235,683	146,408	89,275
Chambers	1,314	1,314	0
Cherokee	83,146	62,905	20,241
Colorado	46	46	0
Fisher	660	660	0
Franklin	2,810	362	2,448
Gregg	12,391	5,454	6,937
Grimes	10,109	10,109	0
Hardin	105,347	92,897	12,450
Harris	13,818	13,769	49
Harrison	127,033	60,883	66,150
Henderson	8,971	7,208	1,763
Houston	31,583	31,538	45
Jasper	128,415	119,523	8,892
Jefferson	5,408	4,977	431
Lamar	259	8	251
Leon	454	454	0
Liberty	38,177	37,448	729
Llano	20,209	9,194	11,015
Marion	111,297	67,779	43,518
Montgomery	104,785	101,363	3,422
Morris	29,033	15,297	13,736
Nacogdoches	42,127	34,632	7,495
Newton	81,956	77,257	4,699
Orange	25,392	22,316	3,076
Panola	136,641	86,583	50,058
Polk	103,244	103,191	53
Red River	24,674	20,108	4,566
Rusk	55,343	35,806	19,537
Sabine	12,272	9,218	3,054
San Augustine	38,065	28,875	9,190
San Jacinto	42,451	41,670	781
Shelby	121,410	82,054	39,356
Smith	29,119	21,582	7,537
Titus	10,787	4,338	6,449
Trinity	64,772	64,772	0
Tyler	88,929	86,315	2,614
Upshur	68,163	39,972	28,191
Walker	22,973	22,973	0
Waller	1,890	1,890	0
Wood	234	234	0
All counties	2,324,679	1,827,110	497,569

[a] Counties with no pulpwood production are omitted.

Table 18--Round pulpwood production in Virginia, 1993

County[a]	All species	Softwood	Hardwood
		Standard cords	
Accomack	12,357	8,224	4,133
Albermarle	42,666	34,352	8,314
Alleghany	28,393	4,893	23,500
Amelia	89,491	37,754	51,737
Amherst	29,885	12,833	17,052
Appomattox	91,885	63,315	28,570
Arlington	416	155	261
Augusta	10,538	3,403	7,135
Bath	14,388	1,779	12,609
Bedford	60,861	6,950	53,911
Bland	1,048	0	1,048
Botetourt	17,082	4,923	12,159
Brunswick	198,176	146,836	51,340
Buchanan	1,183	0	1,183
Buckingham	127,923	100,863	27,060
Campbell	93,761	71,004	22,757
Caroline	34,808	26,662	8,146
Carroll	9,839	43	9,796
Charles City	28,454	15,171	13,283
Charlotte	115,992	69,348	46,644
Chesapeake	11,306	7,051	4,255
Chesterfield	33,980	27,071	6,909
Clarke	267	0	267
Craig	6,905	1,169	5,736
Culpeper	8,127	4,595	3,532
Cumberland	43,008	21,626	21,382
Dickenson	1,771	0	1,771
Dinwiddie	61,257	35,203	26,054
Essex	17,883	7,179	10,704
Fairfax	5,121	3,416	1,705
Fauquier	1,041	316	725
Floyd	1,853	163	1,690
Fluvanna	41,618	26,647	14,971
Franklin	40,352	19,292	21,060
Frederick	15,702	12,406	3,296
Giles	3,690	257	3,433
Gloucester	26,887	15,034	11,853
Goochland	54,699	50,433	4,266
Greensville	27,355	12,959	14,396
Halifax	33,489	9,156	24,333
Hanover	27,302	23,084	4,218
Henrico	7,844	6,649	1,195
Henry	4,256	53	4,203
Highland	11,840	656	11,184
Isle of Wight	32,835	18,097	14,738
James City	11,065	6,154	4,911
King and Queen	48,971	33,057	15,914
King George	2,296	1,598	698
King William	25,567	18,753	6,814
Lancaster	19,326	11,680	7,646
Lee	11,272	0	11,272
Loudoun	421	270	151
Louisa	42,778	22,789	19,989
Lunenburg	70,727	43,092	27,635
Madison	4,232	3,588	644
Mathews	3,299	1,203	2,096
Mecklenburg	47,085	20,952	26,133
Middlesex	8,198	4,690	3,508
Montgomery	205	9	196
Nelson	32,611	9,752	22,859
New Kent	21,307	13,233	8,074
Newport News	184	62	122
Northampton	35	28	7
Northumberland	8,476	3,314	5,162
Nottoway	46,402	23,790	22,612
Orange	28,218	25,644	2,574
Patrick	2,145	42	2,103
Pittsylvania	69,302	37,965	31,337
Powhatan	34,050	29,825	4,225
Prince Edward	39,822	29,640	10,182
Prince George	41,174	36,290	4,884
Prince William	3,025	417	2,608
Pulaski	569	0	569
Rappahannock	10	0	10
Richmond	19,745	15,145	4,600
Roanoke	3,316	334	2,982
Rockbridge	35,412	6,354	29,058
Rockingham	3,457	785	2,672
Russell	5,668	0	5,668
Scott	20,951	0	20,951
Shenandoah	8,823	5,306	3,517
Smyth	2,366	0	2,366
Southampton	65,438	29,676	35,762
Spotsylvania	41,783	36,756	5,027
Stafford	5,110	2,655	2,455
Suffolk	34,802	12,830	21,972
Surry	38,388	22,748	15,640
Sussex	75,552	50,657	24,895
Tazewell	1,190	0	1,190
Virginia Beach	3,370	909	2,461
Warren	3,162	1,248	1,914
Washington	6,474	0	6,474
Westmoreland	4,812	2,501	2,311
Wise	14,483	0	14,483
Wythe	4,005	0	4,005
York	2,460	1,316	1,144
All counties	2,553,073	1,478,077	1,074,996

[a] Counties with no pulpwood production are omitted.

Table 19--Southern pulpmills, by process and capacity, 1993

Location	Map code[a]	Company	Pulping capacity, 24 hours[b]				
			All processes	Sulfate	Groundwood and other mechanical	Semi-chemical	Soda and sulfite
			Tons				
ALABAMA							
Clairborne	[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	1,450	1,450	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]	MacMillan Bloedel, Incorporated	1,680	1,100	0	580	0
Mahrt	[12]	Mead Coated Board, Incorporated	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
Pratville	[15]	Union Camp Corporation	2,525	2,525	0	0	0
		Total	21,493	18,593	1,290	1,610	0
ARKANSAS							
Pine Bluff	[16]	Gaylord Container Corporation	380	380	0	0	0
Ashdown	[17]	Georgia-Pacific Corporation	2,450	2,450	0	0	0
Crossett	[18]	Georgia-Pacific Corporation	1,650	1,650	0	0	0
Little Rock	[19]	Georgia-Pacific Corporation	140	0	140	0	0
Morrilton	[20]	Green Bay Packaging, Incorporated	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	8,525	7,985	540	0	0
FLORIDA							
Perry	[24]	Buckeye Florida	1,100	1,100	0	0	0
Cantonment	[25]	Champion International Corporation	1,506	1,506	0	0	0
Palatka	[26]	Georgia-Pacific Corporation	1,400	1,400	0	0	0
Fernandina Beach	[27]	I.T.T. Rayonier, Incorporated	425	0	0	0	425
Fernandina Beach	[28]	Jefferson Smurfit Corporation/CCA	2,200	2,200	0	0	0
Jacksonville	[29]	Jefferson Smurfit Corporation	1,000	1,000	0	0	0
Port St. Joe	[30]	St. Joe Forest Products Company	1,700	1,700	0	0	0
Panama City	[31]	Stone Container Corporation	1,580	1,580	0	0	0
		Total	10,911	10,486	0	0	425
GEORGIA							
Augusta	[32]	Augusta Newsprint Company	1,450	0	1,450	0	0
Augusta	[33]	Federal Paper Board Company	2,250	2,250	0	0	0
Brunswick	[34]	Georgia-Pacific Corporation	2,000	2,000	0	0	0
Cedar Springs	[35]	Georgia-Pacific Corporation	2,910	2,395	0	515	0
St. Marys	[36]	Gilman Paper Company	1,150	1,150	0	0	0
Rome	[37]	Inland-Rome, Incorporated	2,200	2,200	0	0	0
Riceboro	[38]	Interstate Paper Corporation	680	680	0	0	0
Jesup	[39]	I.T.T. Rayonier, Incorporated	1,725	1,725	0	0	0
Clyattville	[40]	Packaging Corporation of America	1,130	1,130	0	0	0
Macon	[41]	Riverwood International Georgia, Incorporated	900	900	0	0	0
Port Wentworth	[42]	Stone Savannah Pulp and Paper Corporation	1,590	1,590	0	0	0
Savannah	[43]	Union Camp Corporation	3,000	3,000	0	0	0
Oglethorpe	[44]	Weyerhaeuser Paper Company	750	750	0	0	0
		Total	21,735	19,770	1,450	515	0

Continued

Table 19--Southern pulpmills, by process and capacity, 1993--Continued

Location	Map code[a]	Company	Pulping capacity, 24 hours[b] All processes	Sulfate	Groundwood and other mechanical	Semi-chemical	Soda and sulfite
					Tons		
LOUISIANA							
DeRidder	[45]	Boise Cascade Corporation	2,250	1,305	945	0	0
Bogalusa	[46]	Gaylord Container Corporation	2,100	2,100	0	0	0
Port Hudson	[47]	Georgia-Pacific Corporation	1,850	1,850	0	0	0
Bastrop	[48]	International Paper Company	1,100	1,100	0	0	0
Pineville	[49]	International Paper Company	985	985	0	0	0
Mansfield	[50]	International Paper Company	1,900	1,400	0	500	0
St. Francisville	[51]	James River Communication Papers	550	550	0	0	0
St. Francisville	[52]	James River Communication Papers	250	0	250	0	0
West Monroe	[53]	Riverwood International Corporation	2,000	1,600	0	400	0
Hodge	[54]	Stone Container Corporation	1,750	1,400	0	350	0
Campti	[55]	Willamette Industries, Incorporated	850	850	0	0	0
		Total	15,585	13,140	1,195	1,250	0
MISSISSIPPI							
Monticello	[56]	Georgia-Pacific Corporation	2,600	2,600	0	0	0
New Augusta	[57]	Georgia-Pacific Corporation	1,485	1,485	0	0	0
Moss Point	[58]	International Paper Company	700	700	0	0	0
Natchez	[59]	International Paper Company	1,100	1,100	0	0	0
Vicksburg	[60]	International Paper Company	1,180	1,180	0	0	0
Grenada	[61]	Newsprint South	670	0	670	0	0
Columbus	[62]	Weyerhaeuser Company	1,420	1,200	0	220	0
		Total	9,155	8,265	670	220	0
NORTH CAROLINA							
Roaring River	[63]	ABTco, Incorporated	475	0	475	0	0
Goldsboro	[64]	Celotex Corporation	100	0	100	0	0
Canton	[65]	Champion International Corporation	1,450	1,450	0	0	0
Roanoke Rapids	[66]	Champion International Corporation	1,300	1,300	0	0	0
Riegelwood	[67]	Federal Paper Board Company, Incorporated	2,260	2,260	0	0	0
Conway	[68]	Georgia-Pacific Corporation	200	0	200	0	0
New Bern	[69]	Weyerhaeuser Paper Company	765	765	0	0	0
Plymouth	[70]	Weyerhaeuser Paper Company	1,770	1,520	0	250	0
		Total	8,320	7,295	775	250	0
OKLAHOMA							
Pryor	[71]	Georgia-Pacific Corporation	250	0	250	0	0
Valliant	[72]	Weyerhaeuser Company	2,150	1,650	0	500	0
		Total	2,400	1,650	250	500	0
SOUTH CAROLINA							
Catawba	[73]	Bowater Incorporated	2,350	1,350	1,000	0	0
Catawba	[74]	Catawba Newsprint Company	740	0	740	0	0
Georgetown	[75]	International Paper Company	1,713	1,613	0	100	0
Sellers	[76]	Masonite Corporation	360	0	360	0	0
Hartsville	[77]	Sonoco Products Company	300	0	0	300	0
Florence	[78]	Stone Container Corporation	1,530	1,530	0	0	0
Eastover	[79]	Union Camp Corporation	1,850	1,850	0	0	0
Charleston	[80]	Westvaco Corporation	2,150	2,150	0	0	0
Bennettsville	[81]	Willamette Industries, Incorporated	750	750	0	0	0
		Total	11,743	9,243	2,100	400	0

Continued

Table 19--Southern pulpmills, by process and capacity, 1993--Continued

Location	Map code[a]	Company	Pulping capacity, 24 hours[b] All processes	Sulfate	Groundwood and other mechanical	Semi-chemical	Soda and sulfite
					Tons		
TENNESSEE							
Calhoun	[82]	Bowaters Southern Paper Corporation	2,480	950	1,530	0	0
New Johnsonville	[83]	Inland Container Corporation	400	0	0	400	0
Kingsport	[84]	Mead Corporation	350	0	0	0	350
Counce	[85]	Packaging Corporation of America	1,700	1,700	0	0	0
Knoxville	[86]	Tamko Asphalt Products, Incorporated	125	0	125	0	0
		Total	5,055	2,650	1,655	400	350
TEXAS							
Houston	[87]	Champion International Corporation	1,725	575	1,150	0	0
Lufkin	[88]	Champion International Corporation	1,300	500	800	0	0
Texarkana	[89]	International Paper Company	1,200	1,200	0	0	0
Pasadena	[90]	Simpson Pasadena Paper Company	800	800	0	0	0
Orange	[91]	Temple-Orange, Incorporated	1,300	1,300	0	0	0
Diboll	[92]	Temple Inland Forest Products Corporation	1,430	0	1,430	0	0
Silsbee	[93]	Temple Inland Forest Products Corporation	1,750	1,750	0	0	0
		Total	9,505	6,125	3,380	0	0
VIRGINIA							
Ashland	[94]	Bear Island Paper Company	475	0	475	0	0
West Point	[95]	Chesapeake Corporation	1,930	1,930	0	0	0
Jarratt	[96]	Georgia-Pacific Corporation	400	0	400	0	0
Big Island	[97]	Georgia-Pacific Corporation	600	0	0	600	0
Hopewell	[98]	Stone Container Corporation	1,030	1,030	0	0	0
Franklin	[99]	Union Camp Corporation	1,950	1,950	0	0	0
Riverville	[100]	Virginia Fiber Corporation	550	0	0	550	0
Covington	[101]	Westvaco Corporation	1,300	1,300	0	0	0
Danville	[102]	Wood Fiber Industries	330	0	330	0	0
		Total	8,565	6,210	1,205	1,150	0
		Total South	132,992	111,412	14,510	6,295	775

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

[b] Lockwood-Post's Directory (1994) and other sources.

Table 20--Other mills using southern pulpwood in 1993, by process and capacity

Location	Company	Pulping capacity, 24 hours[a] 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	898	898	0	0	0
PENNSYLVANIA						
Spring Grove	P.H. Glatfelter Company	560	560	0	0	0

[a] Lockwood-Post's Directory (1994) and other sources.

Howell, Michael; Hartsell, Andrew J. 1995. Southern pulpwood production, 1993. Resour. Bull. SE-152. Asheville, NC: U.S. Department of Agriculture, Forest Service, Southern Research Station. 24 p.

In 1993, Southern pulpwood production declined 2 percent to 66.3 million cords. Roundwood production decreased 2 percent to 46.3 million cords, and wood residue production fell 4 percent to 19.9 million cords. Pulping capacity of the 102 Southern pulpmills was 132,327 tons per day.

KEYWORDS: Pulpwood, roundwood, residues, pulpmills.

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