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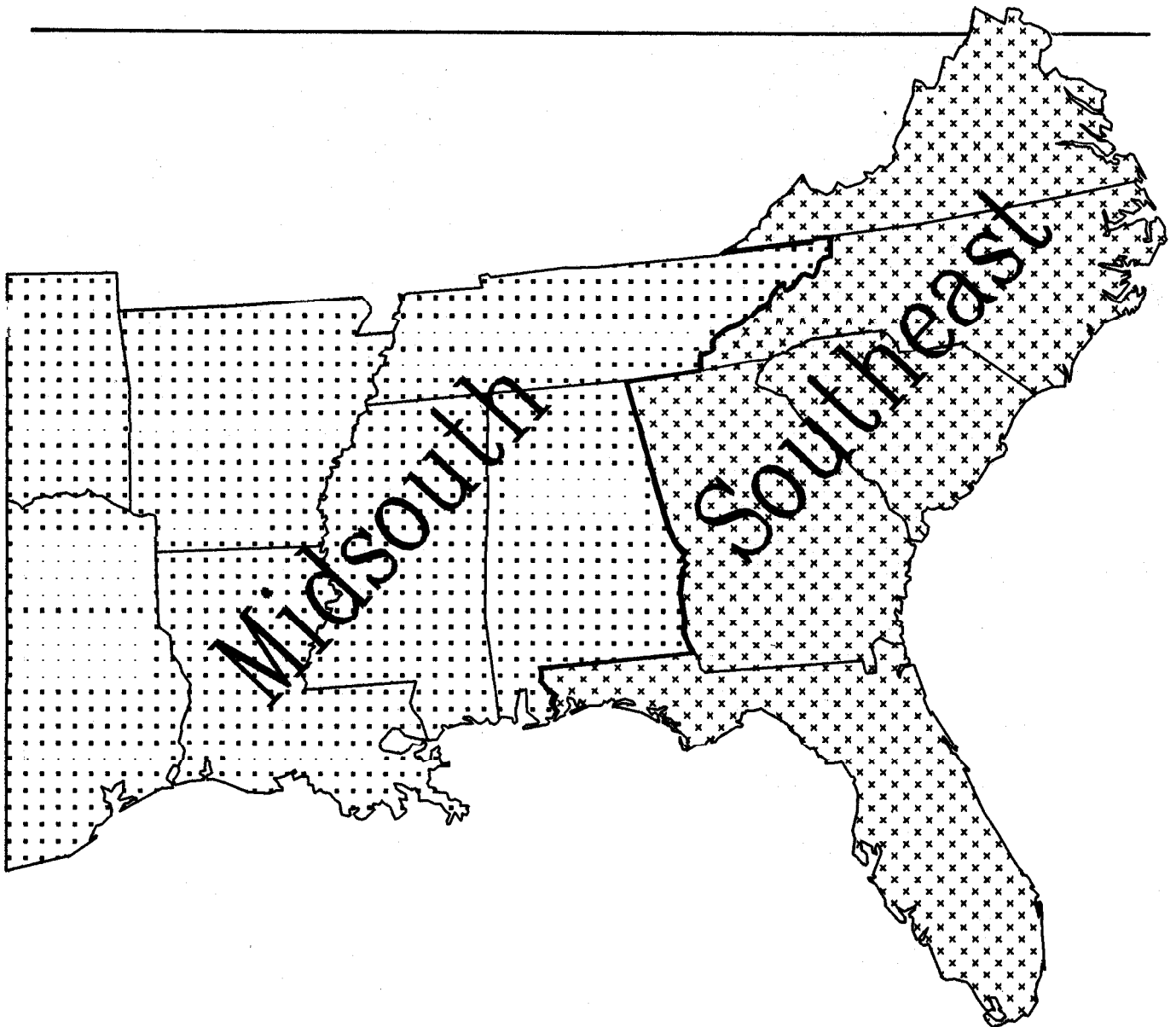


Southeastern Forest
Experiment Station

Resource Bulletin
SE-137

Southern Pulpwood Production, 1991

Michael Howell



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Southern Pulpwood Production, 1991

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New Orleans, Louisiana
of the
Forest Service, U.S. Department of Agriculture
in cooperation with
AMERICAN PULPWOOD ASSOCIATION

Southern Pulpwood Production, 1991

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. Canvass data are compiled annually and analyzed alternately by the Southern and Southeastern Forest Experiment Stations. All production figures are reported in cords. Mill data reported in nonstandard units are converted to standard cords with regional conversion factors.

Pulpwood

A stable economy with low interest rates fueled demands for pulp and paper products in 1991, creating increased demand for pulpwood. In the South, pulpwood production climbed 1 percent above the 1990 level to top 65 million cords (table 1). The **Midsouth** Region produced 10 percent more than the Southeast Region in 1991 (table 6). Alabama was the leading producer of pulpwood in 1991, followed by Georgia and Mississippi. Collectively, these three States supplied nearly 43 percent of the total production. Softwoods continue to be the major source of pulpwood, constituting 71 percent of the total production in 1991. The **Midsouth** Region supplied about 53 percent of the softwood production and more than 60 percent of the total hardwood production.

Mills reported receipts of two kinds: (1) roundwood and (2) wood residues. The second category is primarily chips. An unknown proportion of these chips may have been produced in the wood rather than as mill residues.

Roundwood

Roundwood continues to be the primary resource used in pulp manufacture, accounting for over 71 percent of the total pulpwood production. Overall, the South's roundwood production increased 2 percent in 1991 (table 3). The top three **roundwood**-producing States were Alabama with 7.6 million,

Georgia with 7.1 million, and Mississippi with 5.8 million cords. These three States combined accounted for 44 percent of the total roundwood harvest in 1991. Throughout the region, 4 counties produced 400,000 cords or more, 4 counties or parishes produced **300,000–399,000** cords, 20 counties produced **200,000–299,000** and 108 counties produced between 100,000–199,000 cords or more of roundwood (tables 7–18). Softwoods continue to be the major source of **roundwood**, accounting for 69 percent of total roundwood production in 1991. Georgia led all States in softwood roundwood production with more than 5.6 million cords (table 3). Alabama and Florida followed with 4.3 and 3.8 million cords of softwood, respectively. This trio supplied nearly 43 percent of the total softwood roundwood. Alabama with over 3.3 million cords of hardwood roundwood supplied over 22 percent of the region's total. Mississippi followed with almost 2.4 million cords of hardwood, and North Carolina ranked third with 1.8 million cords of hardwood. The **Midsouth** Region was the leading supplier of hardwood roundwood, while the Southeast and **Midsouth** supplied nearly an equal rate of softwood roundwood.

Wood Residues

The amount of wood residues used for pulp manufacture fell 5 percent to 18.4 million cords in 1991 (table 4). This decrease could be the result of utilizing more wood residues as industrial fuel or for other structural board products. Well over half of the residues were produced in the Midsouth; 59 percent of the softwood and 60 percent of the hardwood residues were produced there (table 5). Georgia, with over 2.6 million cords, continues to be the largest producer of wood residues despite a 4-percent decline since 1990. With over 2.3 million cords, Mississippi was the second leading producer. Alabama ranked third with approximately 2.3 million cords of wood residues. Georgia led in softwood residue production with approximately 2.3 million cords, and Arkansas led in hardwood production with almost 0.7 million cords. Chips accounted for about 99 percent of the wood residues produced in the region, and over 77 percent of wood residues came from softwood chips.

Mills

In 1991, the Southern Region contained 104 wood-using pulpmills. The closure of three mills and the addition of one new mill resulted in a net loss of two mills (fig. 1). The new Willamette Industries mill commenced pulping operations in December 1990. Although there was a decline in number of mills, pulping capacity increased more than 4 percent to 133,331 tons per day (table 19). Alabama led the South in number of mills (15) and in pulping capacity (approximately 21,000 tons per day). Four mills outside the 12-State region used pulpwood from the South in 1991.

Trends

An increased appetite for pulp and paper products has created an increased demand for pulping fiber. Total pulpwood production attained a record 65 million cords in 1991. Since 1982 the harvest of softwood and hardwood roundwood has increased 25 and 49 percent, respectively. The use of softwood residues increased 11 percent and hardwood 6 percent (fig. 2).

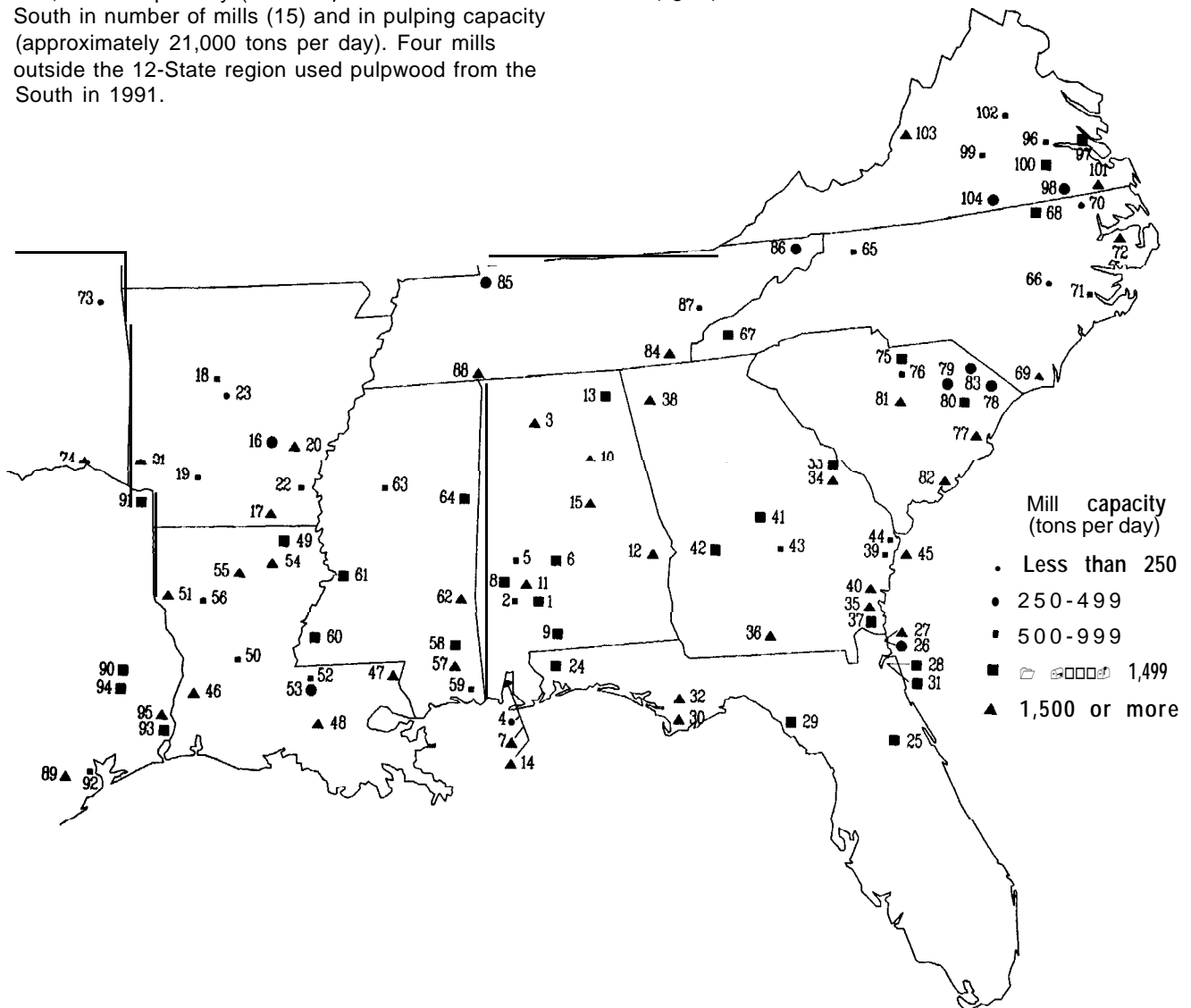


Figure 1 — 1991 capacity of southern pulpmills operating and drawing wood from the 12 Southern States. Numerals are coded to table 19.

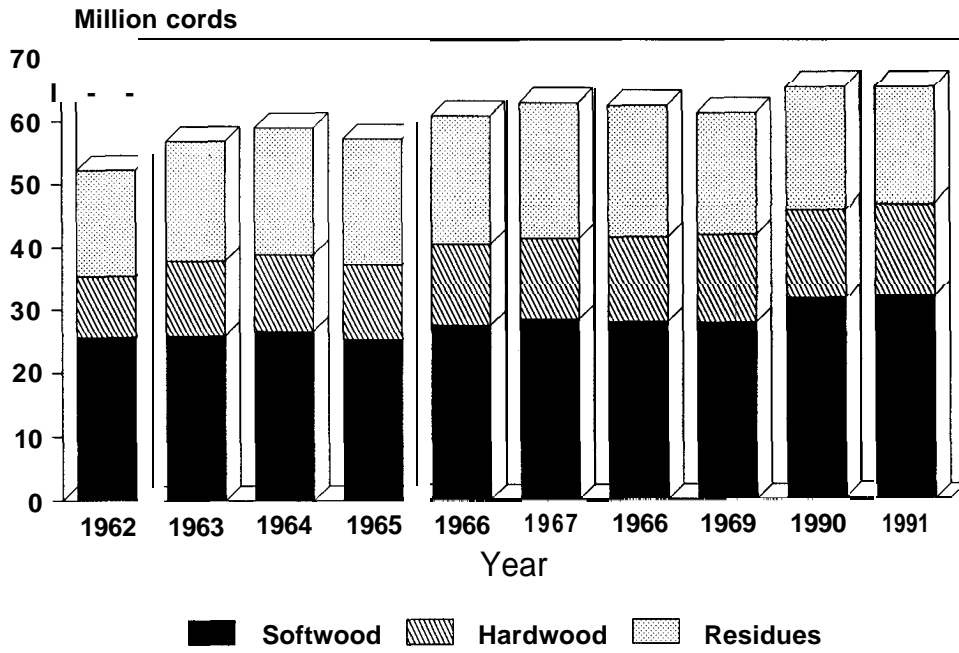
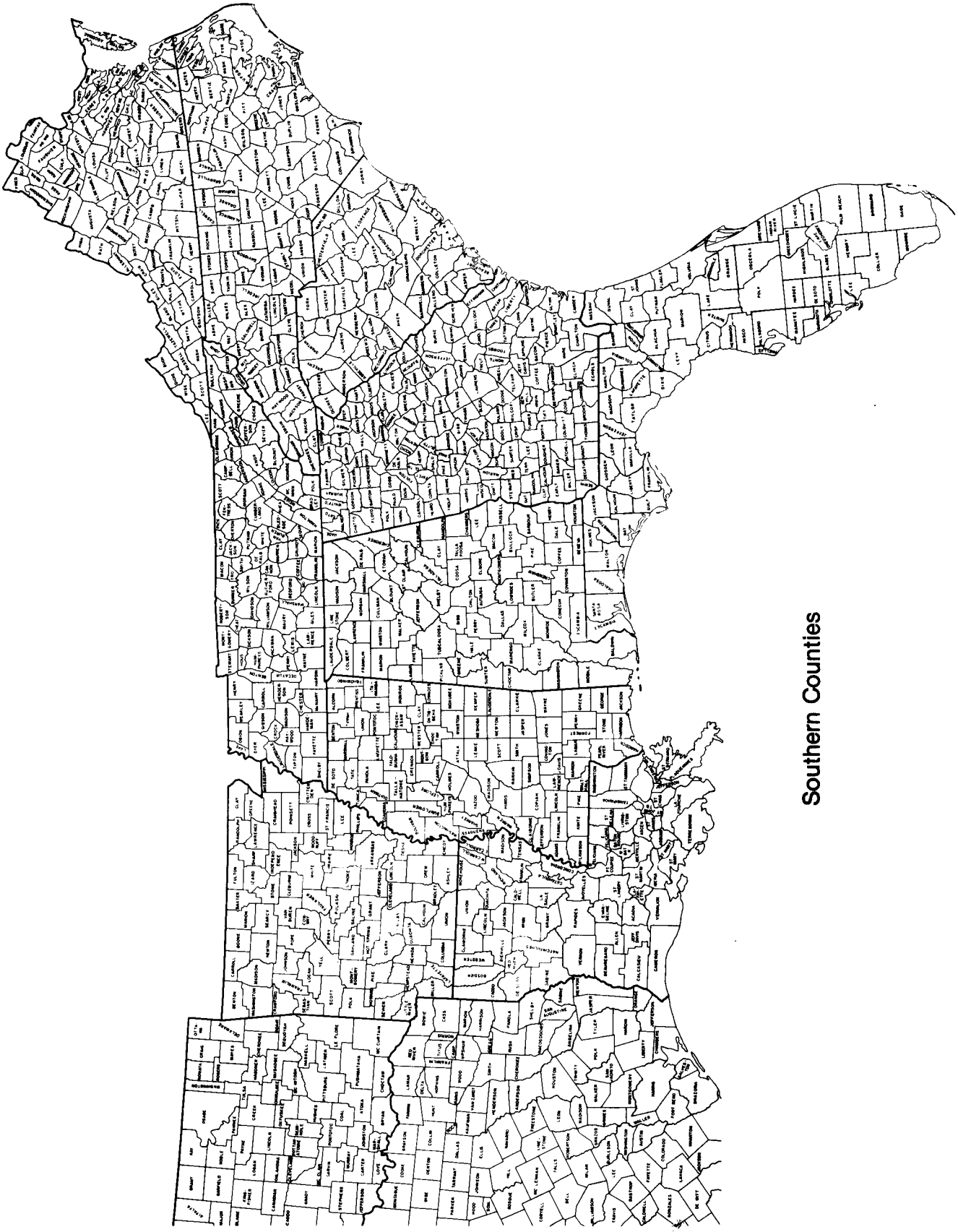


Figure P--Southern pulpwood production, 1962-1991.



Southern Counties

TABLES

Table 1--Pulpwood production in the South during 1991, and change since **1990**

state	Pulpwood	Change
	<i>Thousand cords</i>	<i>Percent</i>
Alabama	9,919.4	0
Arkansas	4638.9	- 7
Florida	4,907.1	- 2
Georgia	9,756.6	5
Louisiana	5946.0	- 7
Mississippi	8,149.8	2
North Carolina	6602.4	17
Oklahoma	1,262.6	9
South Carolina	4,612.7	-12
Tennessee	1,446.0	1
Texas	4,431.3	3
Virginia	3,407.2	- 7
All States	65,082.0	1

Table 2--Roundwood production in the South, by State and species group, 1991

State	All species	Softwood	Hardwood
	<i>Thousand cords</i>		
Alabama	7,646.3	4,326.9	3,319.4
Arkansas	2,547.7	1,538.7	1,009.0
Florida	4,191.7	3,815.2	376.5
Georgia	7,119.8	5,608.1	1,511.7
Louisiana	4,318.9	3,187.2	1,131.7
Mississippi	5,825.1	3,442.7	2,382.4
North Carolina	4,828.4	3,016.3	1,812.1
Oklahoma	1,074.4	856.3	218.1
South Carolina	3,280.5	2,342.0	938.5
Tennessee	1,150.3	743.2	407.1
Texas	2,360.1	1,899.4	460.7
Virginia	2,307.0	1,235.4	1,071.6
All States	46,650.2	32,011.4	14,638.8

Table 3--Roundwood production in the South, by State and species group, 1991 and 1990

State	Change from 1990	1991			1990		
		All species	Softwood	Hardwood	All species	Softwood	Hardwood
	<i>Percent</i>				<i>Thousand cords</i>		
Alabama	5	7,646.3	4,326.9	3,319.4	7,310.3	4,269.9	3,040.4
Arkansas	- 3	2,547.7	1,538.7	1,009.0	2,634.9	1,675.8	959. 1
Florida	5	4,191.7	3,815.2	376. 5	4,001.1	3,602.1	399. 0
Georgia	9	7,119.8	5,608.1	1,511.7	6, 541. 0	5,252.4	1,288.6
Louisiana	- 11	4,318.9	3,187.2	1,131.7	4,850.1	3,554.4	1,295.7
Mississippi	3	5,825.1	3,442.7	2,382.4	5,631.6	3,249.3	2,382.3
North Carolina	16	4,828.4	3,016.3	1,812.1	4,165.3	2,525.6	1,639.7
Oklahoma	28	1,074.4	856. 3	218. 1	839. 0	626. 7	212. 3
South Carolina	- 13	3,280.5	2, 342. 0	938. 5	3,763.6	2,763.3	1,000.3
Tennessee	5	1,150.3	743. 2	407. 1	1,100.7	716. 4	384. 3
Texas	- -	2,360.1	1,899.4	460. 7	2,369.4	1,905.9	463. 5
Virginia	- 4	2,307.0	1,235.4	1,071.6	2,415.0	1,265.3	1,149.7
All States	2	46,650.2	32,011.4	14,638.8	45, 622. 0	31,407.1	14,214.9

-- = negligible.

Table 4--Southern output of wood residues for pulp manufacture, by State and species group, 1991 and 1990

State	Change from 1990	1991			1990		
		All species	Softwood	Hardwood	All species	Softwood	Hardwood
	<i>Percent</i>				<i>Thousand cords</i>		
Alabama	- 13	2,273.1	1,992.4	280. 7	2,602.9	1,936.8	666. 1
Arkansas	- 11	2,091.2	1,391.3	699. 9	2, 351. 0	1,483.8	887. 2
Florida	- 30	715. 4	665. 8	49. 6	1,015.6	884. 3	131. 3
Georgia	- 4	2,636.8	2, 285. 0	351. 8	2,752.5	2,602.7	149. 8
Louisiana	4	1,629.1	1,412.4	216. 7	1, 564. 0	1,381.7	182. 3
Mississippi	- 3	2,324.8	1,936.2	388. 6	2,388.7	1,767.1	621. 6
North Carolina	21	1, 774. 0	1,145.5	628. 5	1,471.8	964. 7	507. 1
Oklahoma	- 41	188. 1	149. 4	38. 7	317. 9	193. 7	124. 2
South Carolina	- 9	1,332.2	1,144.5	187. 7	1,457.2	1,282.1	175. 1
Tennessee	- 10	295. 7	56. 8	238. 9	329. 4	53. 2	276. 2
Texas	7	2,071.3	1,500.0	571. 3	1,926.9	1,306.6	620. 3
Virginia	- 11	1,100.3	685. 0	415. 3	1,232.2	761. 3	470. 9
All States	- 5	18, 432. 0	14,364.3	4,067.7	19,410.1	14, 618. 0	4,792.1

Table 5-- Southern output of wood residues for pulp manufacture, by State and type of residue, 1991

State	All types	Chips		Other residues ^a			
		All species	Softwood	Hardwood	All species	Softwood	Hardwood
<i>Thousand cords</i>							
Alabama	2,273.1	2,270.8	1,992.4	278.4	2.3	0	2.3
Arkansas	2,091.2	2,082.5	1,382.6	699.9	8.7	8.7	0
Florida	715.4	715.4	665.8	49.8	0	0	0
Georgia	2,636.8	2,636.8	2,285.0	351.8	0	0	0
Louisiana	1,629.1	1,629.1	1,412.3	216.8	0	0	0
Mississippi	2,324.8	2,324.8	1,936.2	388.6	0	0	0
North Carolina	1,774.0	1,743.7	1,140.1	603.6	30.3	5.4	24.9
Oklahoma	188.2	52.1	48.2	3.9	136.1	101.3	34.8
South Carolina	1,332.2	1,331.4	1,143.7	187.7	0.8	0.8	0
Tennessee	295.7	295.7	56.8	238.9	0	0	0
Texas	2,071.2	2,063.4	1,496.5	566.9	7.8	3.5	4.3
Virginia	1,100.3	1,079.5	684.5	395.0	20.8	0.5	20.3
All States	18,432.0	18,225.2	14,244.1	3,981.1	206.8	120.2	86.6

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

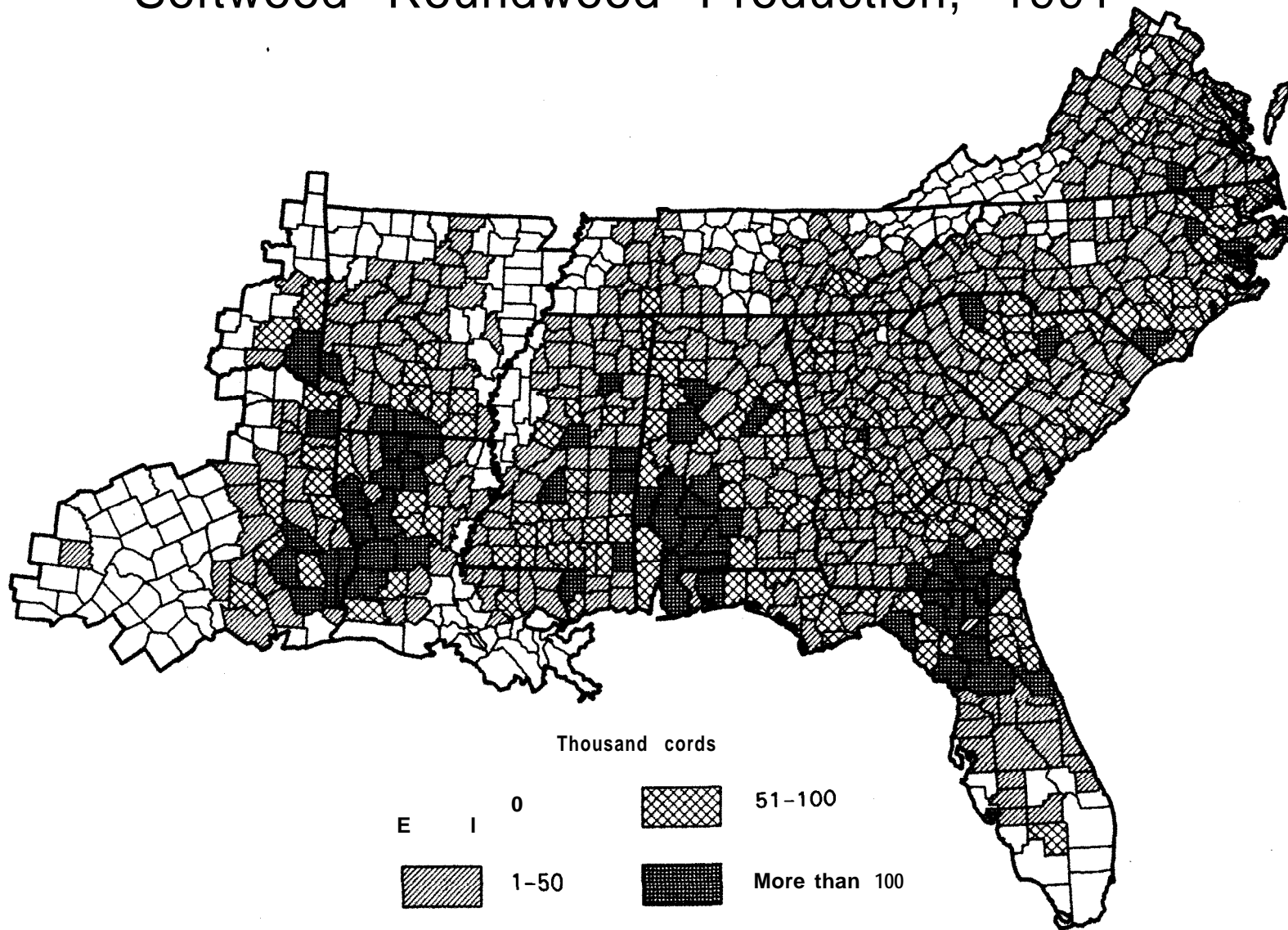
Table 6--Pulpwood production in the Southeast and the Midsouth, 1991

Region and source of wood	All species	Softwood	Hardwood
<i>Standard cords</i>			
Southeast^a			
Roundwood	21,727,351	16,016,967	5,710,384
Residues	7,558,638	5,925,676	1,632,962
Total	29,285,989	21,942,643	7,343,346
Midsouth^b			
Roundwood	24,922,804	15,994,328	8,928,476
Residues	10,873,164	8,438,427	2,434,737
Total	35,795,968	24,432,755	11,363,213
Entire South			
Roundwood	46,650,155	32,011,295	14,638,860
Residues	18,431,802	14,364,103	4,067,699
Total	65,081,957	46,375,398	18,706,559

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

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

Softwood Roundwood Production, 1991



Hardwood Roundwood Production, 1991

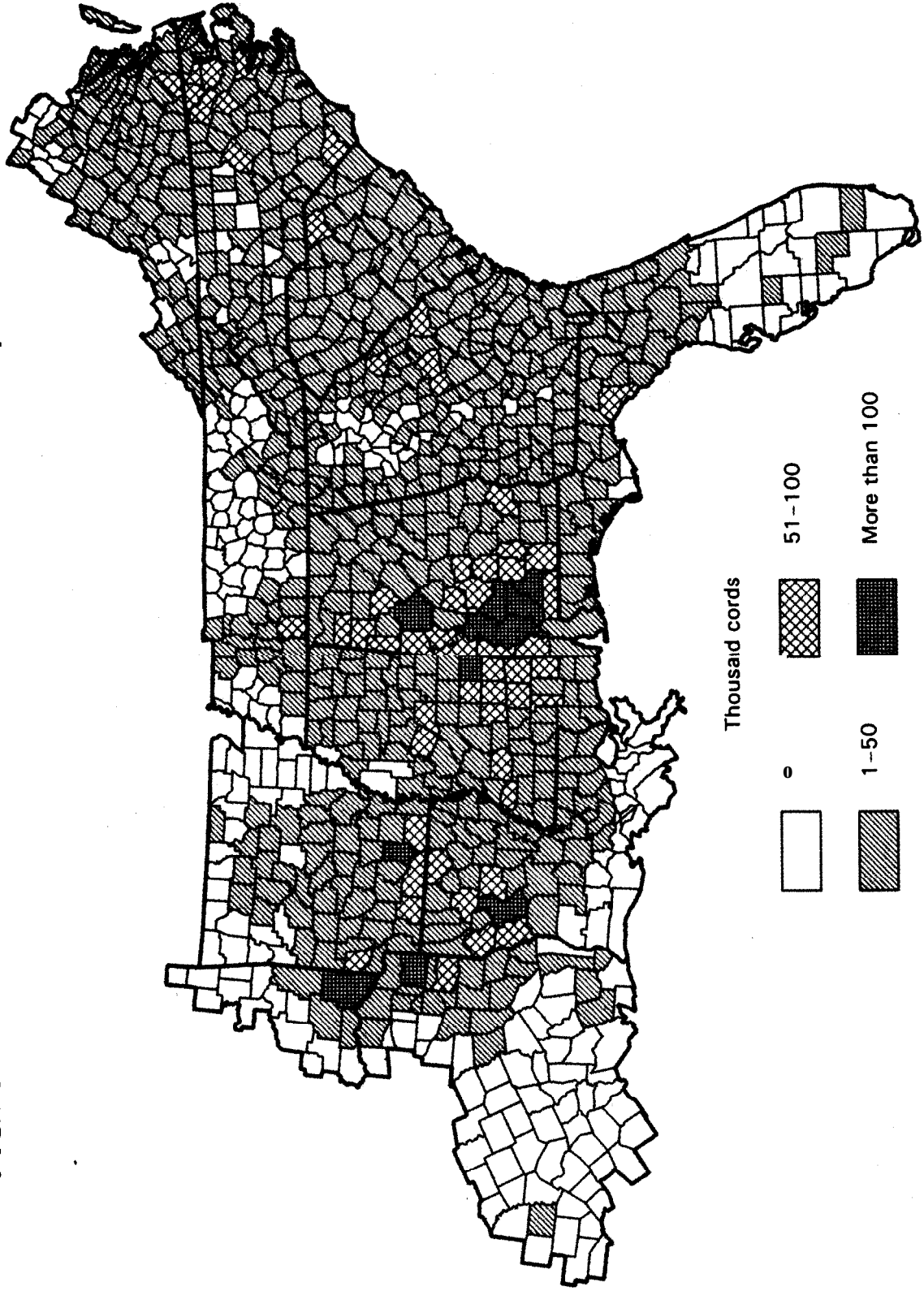


Table 7—Round pulpwood production in Alabama, 1991

county'	All species	Standard cords		county'	All species	Standard cords	
		Softwood	Hardwood			Softwood	Hardwood
Autauga	135,895	76,315	59,580	Jackson	33,471	11,753	21,718
Baldwin	240,005	195,995	44,010	Jefferson	74,391	31,059	43,332
Sarbour	143,445	72,708	70,737	Lamar	92,756	28,755	64,003
Bibb	133,927	89,294	44,833	Lauderdale	27,784	15,359	12,425
Blount	79,829	33,994	45,635	Lawrence	34,401	14,839	19,762
Bullock	94,148	55,963	38,243	Lee	48,554	33,257	15,297
Butler	181,947	120,532	61,415	Limestone	13,389	6,514	6,875
Calhoun	68,105	81,298	6,807	Lowndes	133,589	79,208	54,381
Chambers	61,061	36,469	24,592	Macon	63,476	29,395	34,081
Cherokee	57,380	39,840	17,540	Madison	12,840	3,430	9,410
Chilton	644,444	36,171	28,273	Marengo	233,347	111,674	121,873
Choctaw	206,460	113,750	92,710	Marion	138,382	58,590	77,792
Clarke	405,025	239,759	165,266	Marshall	24,022	8,054	15,966
Clay	112,849	74,066	36,763	M o b i l e	127,466	90,093	37,373
Cleburne	110,257	90,011	20,246	Monroe	326,617	206,270	120,347
Coffee	27,870	8,716	19,154	Montgomery	41,816	24,006	17,810
Colbert	70,916	39,137	31,779	Morgan	40,494	22,557	17,937
Conecuh	291,134	184,273	106,861	Perry	117,594	36,550	81,044
Coosa	64,418	49,377	15,041	Pickens	179,820	92,211	87,409
Covington	158,724	90,820	67,904	Pike	68,562	28,348	38,234
Crenshaw	98,479	42,781	55,698	Randolph	101,738	70,709	31,029
Cullman	81,539	40,838	40,701	Russell	54,640	25,133	29,507
Dale	33,680	7,746	25,934	St. Clair	90,456	60,132	30,324
Dallas	183,628	105,868	77,760	Shelby	96,877	71,756	25,121
De Kalb	55,928	29,026	26,902	Sumter	136,706	84,108	52,600
Elmore	50,914	27,461	23,453	Talladega	133,014	105,524	27,490
Escambia	221,271	160,396	60,875	Talapoosa	109,592	67,751	41,841
Etowah	29,265	17,601	11,664	Tuscaloosa	314,195	110,881	203,314
Fayette	115,272	76,369	38,903	Walker	186,421	107,036	79,385
Franklin	121,730	60,115	61,815	Washington	145,104	81,418	63,686
Geneva	47,102	17,821	29,481	Wilcox	307,631	131,130	176,501
Greens	114,501	39,000	75,501	Winston	147,082	100,348	46,734
Hale	64,760	17,108	47,652	All counties	7,646,280	4,326,880	3,319,400
Henry	56,871	27,180	29,691				
Houston	11,654	1,676	9,978				

^a Counties with NO pulpwood production are omitted.

Table 8-- Round pulpwood production in Arkansas, 1991

County'	All species	softwood	Hardwood	County	All species	Softwood	Hardwood
<i>Standard cords</i>				<i>Standard cords</i>			
Arkansas	8,820	19	8,801	Little River	52,034	25,588	28,448
Ashley	144,928	88,713	78,215	Logan	4,545	4,407	138
Baxter	510	288	244	Lonoke	3,114	71	3,043
Bradley	175,241	53,881	121,380	Miller	90,458	49,179	41,277
Calhoun	128,788	94,104	32,882	Monroe	1,981	853	1,328
Carroll	9	0	9	Montgomery	18,282	8,398	7,864
Chicot	22,288	887	21,419	Nevada	49,138	30,031	19,107
Clak	52,018	30,385	21,831	Newton	4,190	208	3,984
Clebune	32,382	18,441	13,921	Ouachita	89,928	81,221	28,707
Cleveland	78,920	48,513	32,407	Perry	25,548	14,041	11,505
Columbia	178,525	122,188	54,357	Phillips	9	0	9
Conway	24,194	18,428	5,788	Pike	15,315	9,088	8,249
Craig head	9	9	0	Polk	17,528	7,789	9,739
Dallas	121,129	77,308	43,821	Pope	21,001	15,271	5,730
Desha	7,382	28	7,354	Prairie	1,030	281	749
Drew	122,414	73,070	49,344	Pulaski	10,710	4,739	5,971
Faukner	1,901	1,482	439	St. Francis	550	78	472
Franklin	10	10	0	Saline	28,188	24,488	3,718
Fulton	1,425	775	850	Scott	10,921	5,982	4,939
Garland	11,589	8,793	4,778	Searcy	2,428	152	2,274
Grant	115,078	93,571	21,507	Sebastian	783	775	8
Hempstead	58,318	38,832	21,884	Sevier	287,898	219,230	68,668
Hot Springs	54,424	34,280	20,144	Sharp	94	0	94
Howard	19,932	10,789	9,143	Stone	13,734	8,839	5,095
Independence	5,597	547	5,050	Union	217,998	134,368	83,830
Izard	1,412	1,412	0	Van Buren	25,003	10,213	14,790
Jackson	581	170	391	Washington	87	0	87
Jefferson	81,849	39,284	22,385	White	18,531	2,547	15,984
Johnson	2,130	1,582	548	Yell	<u>9,887</u>	<u>5,240</u>	<u>4,847</u>
Lafayette	89,881	38,989	30,872	All counties	2547,734	1538,744	1,008,990
Lincoln	31,873	25,857	8,218				

' Counties with no pulpwood production are omitted.

Table 9--Round pulpwood production in Florida, 1991

County ^a	All species	softwood	Hardwood	County ^a	All species	Softwood	Hardwood
<i>Standard cords</i>				<i>Standard cords</i>			
Alachua	110,661	105,258	5,403	Lafayette	95,090	93,152	1,938
Baker	218,566	215,846	2,720	Lake	35,296	31,484	3,812
Bay	38,677	37,989	688	Leon	66,648	59,884	6,764
Bradford	132,881	131,954	927	Levy	118,570	102,905	15,665
Brevard	6,301	6,301	0	Liberty	58,968	55,273	3,693
Broward	844	0	844	Madison	69,745	57,589	12,156
Calhoun	109,865	97,831	12,034	Marion	189,623	160,215	9,408
Charlotte	5,407	5,407	0	Nassau	241,752	225,227	18,525
Citrus	6,218	4,432	1,786	Okabosa	56,888	55,002	1,886
Clay	93,779	88,944	4,835	Orange	5,926	5,926	0
Columbia	130,682	125,029	5,653	Osceola	4,445	4,445	0
De Soto	46,605	46,605	0	Pasco	11,118	11,118	0
Dixie	97,013	83,200	13,813	Pinellas	412	0	412
Duval	95,556	92,201	3,355	Polk	7,690	7,408	282
Escambia	46,076	38,782	7,294	Putnam	69,853	64,139	5,714
Flagler	86,706	79,451	7,255	St. Johns	95,388	88,556	6,832
Franklin	63,120	63,120	0	St. Lucie	4,925	4,925	0
Gadsden	69,918	49,033	20,885	Santa Rosa	121,924	113,669	8,255
Gilchrist	71,054	69,285	1,769	Sarasota	109	0	109
Glades	2,837	2,837	0	Seminole	27,536	27,536	0
Gulf	45,925	45,748	177	Sumter	4,749	2,963	1,786
Hamilton	110,792	102,656	6,136	Suwannee	115,863	101,374	14,489
Hardee	18,764	17,840	924	Taybr	494,323	436,335	57,988
Hendry	82,873	82,242	631	Union	34,860	34,162	696
Hernando	2,222	2,222	0	Volusia	142,524	136,810	6,714
Hillsborough	2,593	2,593	0	Wakulla	24,065	22,300	1,765
Holmes	105,413	70,291	35,122	Walton	105,823	95,853	10,170
Indian River	1,852	1,852	0	Washington	58,856	43,990	14,956
Jackson	108,510	74,230	34,280	All counties	4,191,655	3,815,133	376,522
Jefferson	36,978	30,004	6,974				

^a Counties with no pulpwood production are omitted.

Table 10--Round pulpwood production in Georgia, 1991

County	All species	Softwood		Hardwood	County	All species	Softwood		Hardwood
		Standard	cords				Standard	cords	
Appling	97,613	87,178		10,435	Early	33,090	25,525		7,565
Atkinson	31,226	29,798		1,432	Echols	191,075	183,341		7,734
Bacon	56,041	41,197		14,844	Effingham	40,896	28,603		12,293
Baker	15,603	14,153		1,450	Elbert	46,377	23,368		23,009
Baldwin	42,334	35,430		6,904	Emanuel	57,471	40,507		16,964
Banks	15,852	15,852		0	Evans	33,123	21,232		11,891
Barrow	12,322	12,098		224	Fannin	22,868	21,375		1,493
Bartow	83,576	79,322		4,254	Fayette	8,680	8,680		0
Ben Hill	74,314	53,414		20,900	Floyd	96,874	77,374		19,500
Berrien	26,283	22,000		4,283	Forsyth	4,996	4,996		0
Bibb	24,308	18,210		6,098	Franklin	4,229	2,062		2,187
Bleckley	21,630	16,736		4,894	Fulton	12,356	12,356		0
Brantley	128,857	111,167		17,490	Gilmer	19,368	19,368		0
Brooks	26,095	13,896		12,199	Glacocock	19,623	10,002		9,621
Bryan	54,059	41,568		12,491	Glynn	84,695	64,224		20,471
Bulloch	37,745	22,306		15,439	Gordon	59,363	55,565		3,798
Burke	92,982	39,091		53,891	Grady	33,673	19,691		13,982
Butts	57,379	55,929		1,450	Greene	62,524	40,034		22,490
Calhoun	20,352	7,689		12,663	Gwinnett	17,414	17,414		0
Camden	121,103	68,964		32,139	Habersham	5,148	2,666		2,482
Candler	38,119	29,241		8,878	Hall	17,743	17,743		0
Carroll	45,600	38,706		6,894	Hancock	88,319	55,425		32,894
Catoosa	17,852	12,995		4,857	Haralson	30,160	23,741		6,419
Charlton	169,019	154,326		14,693	Harris	56,170	41,684		14,486
Chatham	21,688	16,515		5,173	Hart	3,952	1,987		1,965
Chattahoochee	36,534	23,421		13,113	Heard	41,443	38,197		3,246
Chattooga	54,628	48,546		6,082	Henry	45,742	44,676		1,066
Cherokee	23,915	22,915		1,000	Houston	51,792	51,705		87
Clarke	2,494	991		1,503	Irwin	29,569	27,452		2,117
Clay	7,605	3,903		3,702	Jackson	33,301	32,694		607
Clayton	2,233	2,233		0	Jasper	65,268	65,226		42
Clinch	277,008	269,643		7,365	Jeff Davis	84,812	66,683		18,129
Cobb	8,085	8,085		0	Jefferson	65,873	43,172		22,701
coffee	69,640	51,353		18,287	Jenkins	46,780	28,717		18,063
Colquitt	23,648	19,582		4,066	Johnson	40,774	29,085		11,689
Columbia	19,424	9,840		9,584	Jones	53,541	48,570		4,971
Cook	10,275	9,831		444	Lamar	107,813	107,789		44
Coweta	59,152	55,817		3,335	Lanier	15,228	13,947		1,281
Crawford	87,572	72,514		15,058	Laurens	96,972	69,314		27,858
Crisp	38,202	26,694		11,508	Lee	13,919	10,824		3,095
Dade	12,393	9,893		2,500	Liberty	73,632	52,349		21,283
Dawson	34,993	34,993		0	Lincoln	33,420	5,962		27,458
Decatur	36,752	21,284		15,488	Long	79,331	52,614		26,717
De Kalb	5,092	5,092		0	Lowndes	151,889	140,618		11,271
Dodge	96,149	70,760		25,389	Lumpkin	6,391	3,891		2,500
Dooly	26,935	25,459		1,476					
Dougherty	43,951	41,112		2,839					
Douglas	8,716	8,320		396					

Continued

Table 10-- Round pulpwood production in Georgia, 1991 --Continued

County ^a	All species	softwood	Hardwood	County ^a	All species	Softwood	Hardwood
<i>Standard cords</i>				<i>Standard cords</i>			
McDuffie	31,779	21,091	10,666	Spalding	22,265	21,791	494
McIntosh	74,140	56,561	15,559	Stephens	4,001	2,307	1,694
Macon	44,215	43,371	644	Stewart	60,676	58,500	22,376
Madison	2,005	1,403	602	Sumter	91,631	75,257	16,374
Marion	65,661	40,237	25,424	Talbot	66,696	47,366	21,630
Meriwether	107,915	79,194	26,721	Taliaferro	31,522	6,246	23,274
Miller	4,143	3,157	966	Tattnall	42,314	31,926	10,366
Mitchell	53,544	39,506	14,036	Taylor	59,966	57,355	2,611
Monroe	51,047	49,979	1,068	Telfair	65,066	55,795	9,271
Montgomery	22,607	15,363	7,224	Terrell	22,754	17,666	5,068
Morgan	14,546	11,523	3,023	Thomas	50,276	38,533	11,743
Murray	30,362	29,295	1,067	Tii	15,964	14,504	1,480
Muscogee	17,646	14,220	3,626	Toombs	47,409	39,762	7,647
Newton	22,091	21,963	126	Towns	2,066	660	1,166
Oconee	10,029	5,195	4,634	Treutien	20,026	16,206	1,616
Oglethorpe	39,763	14,179	25,604	Troup	43,095	36,263	4,632
Paulding	43,245	36,039	5,206	Turner	10,075	9,620	255
Peach	21,673	21,673	0	Twiggs	46,967	42,059	6,908
Pickens	6,670	6,670	0	Union	6,663	3,774	2,909
Pierce	27,502	21,371	6,131	Upson	65,503	75,605	9,696
Pike	15,375	14,253	1,122	Walker	20,669	16,499	4,390
Polk	49,900	47,274	2,626	Walton	7,534	3,965	3,549
Pulaski	12,253	11,745	506	Ware	121,936	117,730	4,206
Putnam	47,016	46,150	666	Warren	63,550	33,076	30,472
Quitman	21,996	15,101	6,695	Washington	74,796	23,645	51,151
Rabun	7,601	4,016	3,765	Wayne	100,641	80,544	20,297
Randolph	43,956	32,747	11,209	Webster	42,633	37,647	5,166
Richmond	36,631	21,296	15,535	Wheeler	21,131	15,316	5,615
Rockdale	3,337	3,337	0	Whield	33,349	32,249	1,100
Schley	35,677	22,346	13,531	Wilcox	63,390	59,591	3,799
Screven	60,476	36,620	41,656	Wilkes	103,663	45,617	56,266
Seminole	3,702	3,114	566	Wilkinson	73,340	19,277	54,063
				worth	16,612	14,596	2,016
				All counties	7,119,835	5,608,114	1,511,721

. Counties with no pulpwood production are omitted.

Table 11 --Round pulpwood production in Louisiana, 1991

Parish ¹	All species	Softwood	Hardwood	Parish ¹	All species	Softwood	Hardwood
<i>Standard cords</i>				<i>Standard cords</i>			
Acadia	3,314	2,637	477	Madison	22,456	34	22,424
Allen	75,063	66,630	8,433	Morehouse	60,237	21,421	36,616
Ascension	5,533	1,250	4,263	Natchitoches	461,407	369,661	111,746
Avoyelles	33,275	4,145	29,130	Orleans	6	0	6
Beauregard	259,796	259,796	0	Ouachita	93,665	59,043	34,622
Bienville	235,206	160,064	55,124	Pointe Coupee	2,675	0	2,675
Bossier	60,525	36,535	43,990	Rapides	139,300	125,766	13,534
Caddo	106,265	76,413	31,672	Red River	44,940	31,725	13,215
Calcasieu	57,676	57,456	220	Richland	10,495	1,493	9,002
Caldwell	76,637	43,936	34,699	Sabine	306,584	245,002	61,562
Cameron	22	22	0	St. Charles	316	107	211
Catahoula	34,830	26,222	6,606	St. Helena	70,202	45,036	25,164
Claiborne	194,204	147,133	47,071	St. James	267	0	267
Concordia	30,621	10	30,611	St. Landry	910	63	647
De Soto	192,191	126,616	63,373	St. Martin	2,699	0	2,699
East Baton Rouge	12,527	5,569	6,956	St. Tammany	51,005	47,761	3,244
East Carroll	16,315	24	16,291	Tangipahoa	66,025	44,766	23,237
East Feliciana	33,971	22,267	11,704	Tensas	36,262	1,276	35,006
Evangeline	34,464	30,670	3,794	Union	217,999	146,160	71,639
Franklin	11,104	1,301	9,603	Vermilion	14	14	0
Grant	65,553	51,996	13,555	Vernon	296,277	291,149	5,126
Iberia	26	0	26	Washington	57,544	49,905	7,639
Iberville	9,672	35	9,637	Webster	76,654	49,244	27,410
Jackson	139,161	103,232	35,929	West Baton Rouge	1,309	152	1,157
Jefferson	19	7	12	West Carroll	2,512	57	2,455
Jefferson Davis	2,276	2,196	60	West Feliciana	10,066	3,266	6,796
La Salle	122,447	100,079	22,366	Winn	146,769	93,216	53,571
Lincoln	195,667	150,360	45,327	All parishes	4,318,915	3,187,171	1,131,744
Livingston	65,450	59,777	25,673				

¹ Parishes with no pulpwood production are omitted.

Table 12-- Round pulpwood production in Mississippi, 1991

county'	All species	Softwood	Hardwood	county'	All species	Softwood	Hardwood
<i>Standard cords</i>				<i>Standard cards</i>			
Adams	49,266	5,824	43,442	Lincoln	94,121	53,364	40,757
Alcorn	42,791	28,327	14,464	Lowndes	27,794	3,470	24,324
Amite	93,520	57,044	36,476	Madison	37,040	18,688	18,352
Attala	202,960	149,015	53,945	Marion	96,283	62,603	33,680
Benton	20,592	15,626	4,966	Marshall	82,587	46,843	35,744
Calhoun	19,481	14,290	5,191	Monroe	33,132	17,097	16,035
Carroll	81,881	37,082	24,599	Montgomery	85,621	54,762	30,859
Chickasaw	148,952	144,105	4,847	Neshoba	86,144	47,894	38,250
Choctaw	43,177	35,880	7,297	Newton	110,938	47,757	63,181
Claiborns	68,440	22,274	46,166	Noxubes	31,098	16,880	14,218
Clarke	157,965	82,253	75,712	Oktibbeha	94,634	85,242	9,392
Clay	28,447	21,446	7,001	Panola	35,127	23,653	11,474
Coahoma	2,909	0	2,909	Pearl River	147,302	118,834	28,468
Copiah	132,483	62,551	69,932	Perry	84,030	51,396	32,634
Covington	82,031	39,071	42,960	Pike	97,900	58,312	39,588
DeSoto	5,131	2,882	2,249	Pontotoc	29,879	17,233	12,446
Forrest	138,054	77,771	80,283	Prentiss	76,587	47,106	29,481
Franklin	78,400	32,812	43,588	Quitman	1,204	697	507
George	45,619	29,777	15,842	Rankin	161,670	111,840	49,830
Greene	196,782	139,078	57,704	Scott	88,748	64,868	23,880
Grenada	56,946	9,407	47,539	Sharkey	2,414	0	2,414
Hancock	67,885	61,356	6,529	Simpson	103,860	60,899	42,961
Harrison	48,473	43,640	4,833	Smith	138,238	55,503	82,735
Hinds	64,716	23,545	41,171	Stone	39,453	30,463	8,990
Holmes	114,383	50,636	63,747	sunflower	520	95	425
Humphreys	11,834	0	11,834	Tallahatchie	13,607	6,226	7,381
Issaquena	30,117	359	29,758	Tate	6,693	3,925	2,768
Itawamba	94,026	51,348	42,678	Tippah	68,037	39,979	28,058
Jackson	52,864	42,443	10,421	Tishomingo	117,615	80,283	37,332
Jasper	95,485	41,451	54,034	Union	19,157	13,953	5,204
Jefferson	88,190	25,975	82,215	Walthall	36,375	20,213	16,162
Jefferson Davis	64,054	37,022	27,032	Warren	50,040	9,114	40,926
Jones	177,294	97,472	79,822	Washington	14,969	32	14,937
Kemper	181,093	138,153	42,940	Wayne	145,109	79,568	65,541
Lafayette	59,017	47,252	11,765	Webster	28,550	17,237	11,313
Lamar	104,954	81,896	23,058	Wilkinson	62,037	28,439	35,598
Lauderdale	219,797	101,854	117,943	Winston	66,923	46,523	20,400
Lawrence	95,516	57,831	37,685	Yalobusha	39,415	27,598	11,817
Leake	82,153	44,030	38,123	Yazoo	26,218	8,762	17,456
Lee	17,454	14,439	3,015				
Leflore	1,256	157	1,099				
				All counties	5,825,057	3,442,725	2,382,332

. Counties with no pulpwood production are omitted.

Table IS- Round pulpwood production in North Carolina, 1991

County*	All species	Softwood	Hardwood	County*	All species	Softwood	Hardwood
		<i>Standard cords</i>				<i>Standard cords</i>	
Alamance	1,746	1,572	174	Lee	14,153	7,605	6,548
Alexander	5,277	3,546	1,631	Lenoir	60,602	39,639	20,763
Alleghany	366	6	356	Lincoln	20,696	17,177	3,521
Anson	76,116	66,069	6,049	McDowell	39,936	19,560	20,376
Ashs	1,136	96	1,040	Macon	29,930	16,690	11,240
Avery	5,671	3,366	2,463	Madison	16,725	9,546	9,179
Beaufort	290,996	222,690	66,106	Martin	66,724	79,796	6,926
Bertie	134,995	67,464	67,531	Mecklenbug	10,601	10,093	506
Bladen	106,076	65,670	42,206	Mitchell	5,671	3,388	2,483
Brunswick	95,654	76,310	17,544	Montgomery	24,170	19,513	4,657
Buncombe	65,966	37,660	26,326	Moue	74,772	47,211	27,561
Burke	53,951	33,216	20,733	Nash	76,434	31,271	45,163
Cabarrus	5,327	5,327	0	New Hanover	51,970	43,950	6,020
Caldwell	13,495	5,639	7,656	Northampton	201,631	102,715	99,116
Camden	20,064	9,407	10,657	Onslow	105,554	72,711	32,643
Carteret	36,741	30,105	6,636	Orange	1,654	643	1,011
Caswell	15,720	17	15,703	Pamlico	74,022	60,235	13,767
Catawba	6,573	6,734	1,639	Pasquotank	11,097	4,169	6,906
Chatham	15,100	5,359	9,741	Pender	120,301	65,665	34,636
Cherokee	49,697	36,051	13,646	Perquimans	45,137	37,056	6,061
Chowan	46,296	32,545	15,751	Person	25,646	9,766	15,662
Clay	6,936	4,140	2,796	Pill	60,437	60,660	19,777
Cleveland	52,346	37,634	14,514	Polk	42,215	26,136	16,079
Columbus	214,677	140,973	73,904	Randolph	447	357	90
Craven	107,465	56,146	49,339	Richmond	39,599	34,609	4,990
Cumberland	54,126	38,066	16,060	Robeson	94,464	60,046	34,416
Currituck	50,511	23,366	27,125	Rockingham	19,936	766	19,152
Dare	125,209	103,572	21,637	Rowan	13,604	7,110	6,494
Davidson	6,655	6,521	2,134	Rutherford	76,966	45,676	31,090
Davie	26	0	26	Sampson	97,721	61,477	36,244
Duplin	117,274	77,676	39,396	Scotland	40,596	27,529	13,067
Durham	517	512	5	statly	10,196	9,463	735
Edgecombe	166,076	103,467	64,611	Stokes	16,737	57	16,660
Forsyth	631	461	150	Sury	10,056	3,924	6,134
Franklin	37,006	26,046	10,960	Swain	17,067	10,215	6,672
Gaston	6,676	6,447	229	Transylvania	6,933	3,690	5,243
Gates	57,162	22,374	34,766	Tyrrell	52,027	51,526	499
Graham	9,904	5,162	4,722	Union	62,606	17,091	45,515
Granville	20,661	16,361	4,480	Vance	21,210	15,336	5,674
Greene	44,229	25,205	19,024	Wake	67,956	30,523	57,435
Guilford	4,764	1,665	3,099	Warren	56,445	36,066	22,379
Hali	166,079	72,971	93,106	Washington	66,252	39,633	26,619
Harnett	19,572	15,743	3,629	Watauga	505	12	493
Haywood	70,667	36,422	32,445	Wayne	45,267	12,549	32,736
Henderson	7,662	3,691	3,991	Wilkes	23,033	6,716	16,315
Hertford	104,101	52,964	51,137	Wilson	44,351	24,329	20,022
Hoke	7,655	5,667	2,066	Yadkin	1,274	120	1,154
Hyde	43,432	33,967	9,445	Yancey	5,544	3,177	2,367
Iredell	17,426	14,460	2,946	All counties	4,828,413	3,016,347	1,812,066
Jackson	23,620	12,336	11,264				
Johnston	34,235	13,725	20,510				
Jones	51,550	26,952	22,596				

* Counties with no pulpwood production are omitted.

Table 14-- Round pulpwood production in Oklahoma, 1991

County^a	All species	Softwood	Hardwood
<i>Standard cords</i>			
Choctaw	9,423	4,429	4,994
Haskell	6,771	6,771	0
Latimer	62	51	11
Le Flore	60,011	56,490	1,521
McCurtain	907,362	716,696	190,664
Pushmataha	90,766	69,632	20,936
All counties	1,074,417	656,271	216,146

^a Counties with no pulpwood production are omitted.

Table 15-- Round pulpwood production in South Carolina, 1991

County	All species	softwood	Hardwood	County'	All species	softwood	Hardwood
		<i>Standard cords</i>				<i>Standard cords</i>	
Abbeville	47,660	32,196	15,662	Jasper	60,765	50,062	10,723
Aiken	72,595	53,296	19,297	Kershaw	146,756	130,466	16,272
Allendale	49,674	41,514	6,160	Lancaster	126,126	97,672	26,254
Anderson	32,795	23,255	9,540	Laurens	100,322	66,452	333,670
Bamberg	44,903	30,536	14,367	Lee	36,976	27,932	11,046
Barnwell	56,697	35,722	21,175	Lexington	80,960	62,097	16,663
Beaufort	17,226	11,409	5,617	McCormick	72,452	46,377	26,075
Berkeley	95,760	62,927	12,653	Marion	26,911	9,723	19,166
Calhoun	12,729	6,156	6,571	Marlboro	60,249	55,604	24,445
Charleston	32,211	25,756	6,453	Newberry	120,353	100,453	19,906
Cherokee	51,794	44,916	6,676	Oconee	64,766	41,632	23,134
Chester	119,966	65,666	34,098	Orangeburg	79,990	39,701	40,269
Chesterfield	144,516	65,159	59,357	Pickens	42,465	24,550	17,915
Clarendon	45,546	26,131	17,417	Richland	73,730	56,167	17,543
Colleton	105,050	63,571	21,479	Saluda	70,632	43,536	27,096
Darlington	44,612	19,062	25,550	Spartanburg	131,247	103,536	27,709
Dillon	66,069	30,662	35,207	Sumter	36,045	19,963	16,062
Dorchester	102,166	74,176	27,966	Union	76,356	63,179	15,177
Edgefield	101,539	66,140	33,399	Williamsburg	77,623	67,666	9,735
Fairfield	101,009	61,646	19,163	York	70,930	64,634	6,096
Florence	61,343	35,705	25,636	All counties	3,280,492	2,342,016	936,474
Georgetown	51,295	43,075	6,220				
Greenville	46,679	26,956	17,721				
Greenwood	54,576	23,617	30,959				
Hampton	63,911	57,066	26,625				
Horry	52,051	36,761	15,290				

* Counties with no pulpwood production are omitted.

Table 16-- Round pulpwood production in Tennessee, 1991

County*	All species	Softwood	Hardwood	County'	All species	Softwood	Hardwood
<i>Standard cords</i>				<i>Standard cords</i>			
Anderson	4,962	4,962	0	Knox	82	0	82
Bedford	208	208	0	Lawrence	32,597	10,088	22,529
Benton	24,058	13,723	10,335	Lewis	18,677	9,530	9,147
Bledsoe	11,122	4,093	7,020	Lincoln	405	16	389
Blount	25,545	25,546	0	Loudon	8,865	8,757	108
Bradley	32,294	29,964	2,330	McMinn	65,461	59,099	6,362
Carrroll	10,548	6,336	4,212	McNairy	69,443	50,411	19,032
Carter	2,514	0	2,514	Madison	1,468	704	764
Cheatham	440	440	0	Marion	27,300	14,562	12,738
Chester	7,040	6,543	1,497	Maury	1,154	0	1,154
Claiborne	383	0	383	Meigr	26,028	23,500	2,528
Cocke	1,012	1,012	0	Monroe	63,583	62,859	724
Coffee	4,114	4,114	0	Morgan	13,083	12,162	921
Cumberland	21,830	21,367	263	Perry	14,868	6,840	8,028
Decatur	18,395	11,544	6,851	Polk	38,945	34,343	4,602
Dickson	157	167	0	Putnam	2,376	2,376	0
Fayette	1,851	445	1,406	Rhea	49,528	48,347	1,181
Fentress	7,954	7,954	0	Roane	13,734	13,049	685
Franklin	3,016	107	2,009	Scott	0,858	0,858	0
Giles	4,844	1,843	3,001	Sequatchie	25,939	21,212	4,727
Grainger	919	0	019	Sevier	847	647	0
Greene	1,092	0	1,092	Stewart	43,406	5,382	38,024
Grundy	23,182	13,246	9,936	Sullivan	4,127	0	4,127
Hamilton	54,887	49,953	4,034	Unicoi	685	0	665
Hancock	2,484	445	2,039	Union	562	562	0
Hardeman	15,972	8,207	7,765	Van Buren	7,636	7,636	0
Hardin	63,265	60,994	12,271	Warren	1,586	1,586	0
Hawkins	14,176	85	14,001	Washington	1,133	0	1,133
Haywood	116	57	50	Wayne	123,566	36,306	87,261
Henderson	6,627	4,883	1,744	Weakley	5,943	1,401	4,542
Henry	14,813	2,277	12,636	White	26,101	25,776	325
Hickman	41,787	4,562	37,225	Williamson	797	797	0
Houston	4,020	270	3,741				
Humphrey ⁶	21,158	1,059	20,099				
Jefferson	356	0	355				
Johnson	3,814	0	3,814	All counties	1,150,328	743,200	407,128

* Counties with no pulpwood production are omitted.

Table 17--Round pulpwood production in Texas, 1991

County*	All species	Softwood	Hardwood	County*	All species	Softwood	Hardwood
	<i>Standard cords</i>				<i>Standard cords</i>		
Anderson	16,185	11,062	7,123	Marion	61,344	49,795	31,549
Angelina	184,633	184,624	9	Montgomery	62,691	82,691	0
Bianco	9	0	9	Morris	29,455	17,709	11,746
Sowie	88,005	56,061	31,924	Nacogdoches	51,264	39,082	12,202
Camp	4,569	2,330	2,239	Newton	112,473	112,333	140
Cass	269,685	143,966	125,719	Orange	27,163	26,263	900
Cherokee	73,669	64,502	9,167	Panola	77,784	50,661	27,123
Colorado	286	286	0	Polk	159,043	159,036	7
Franklin	1,133	712	421	Red River	31,347	146	31,201
Gregg	18,124	11,660	6,464	Robertson	487	487	0
Grimes	11,286	11,286	0	Rusk	43,789	35,193	8,596
Hardin	118,300	109,062	9,238	Sabine	13,962	11,154	2,808
Harris	9,614	9,583	31	San Augustine	25,528	22,145	3,383
Harrison	123,630	69,249	54,381	San Jacinto	49,612	49,612	0
Henderson	1,811	1,568	243	Shelby	93,260	66,881	26,379
Houston	41,796	41,796	0	Smith	36,055	21,979	14,076
Jasper	108,360	107,615	745	Titus	10,625	3,314	7,311
Lamar	760	0	760	Trinity	97,397	97,397	0
Leon	319	0	319	Tyler	96,107	95,802	305
Liberty	43,861	40,813	3,248	Upshu	62,357	40,564	21,793
Llano	17,506	8,329	9,177	Walker	42,569	42,569	0
				All counties	2360,073	1,899,337	460,736

* Counties with no pulpwood production are omitted.

Table 18--Round pulpwood production in Virginia, 1991

County ¹	All species	Softwood	Hardwood	County ²	All species	Softwood	Hardwood
	<i>Standard cords</i>				<i>Standard cords</i>		
Accomack	16,966	15,056	1,930	King George	1,350	942	408
Albermarle	44,613	26,127	18,686	King William	40,278	33,790	6,488
Alleghany	37,006	6,918	30,088	Lancaster	5,888	3,398	2,490
Amelia	40,418	15,525	24,893	Lee	15,139	0	15,139
Amherst	23,365	11,239	12,126	Loudoun	34	9	25
Appomattox	66,070	39,271	26,799	Louisa	23,440	21,810	1,630
Arlington	76	76	0	Lunenburg	54,824	23,649	31,175
Augusta	12,141	2,676	9,465	Madison	1,830	1,308	522
Bath	16,077	1,619	14,258	Mathews	9,920	2,944	6,976
Bedford	43,303	7,006	36,298	Mecklenburg	36,421	18,666	17,556
Bland	980	0	980	Middlesex	630	01	539
Botetourt	36,737	8,293	27,534	Nelson	60,754	19,119	41,635
Brunswick	129,475	104,046	25,429	Now Kent	47,561	27,833	19,728
Buchanan	1,539	0	1,539	Newport News	31	0	31
Buckingham	142,531	95,238	47,293	Northampton	174	174	0
Campbell	83,622	45,902	37,720	Northumberland	11,206	6,099	5,107
Caroline	26,336	19,532	6,804	Nottoway	27,050	23,611	3,439
Charles City	26,567	21,875	4,712	Orange	3,004	1,870	1,134
Charlotte	79,496	41,025	38,471	Patrick	80	0	80
Chesapeake	7,287	2,453	4,834	Pittsylvania	69,322	35,166	34,156
Chesterfield	20,271	15,595	4,676	Powhatan	29,890	23,341	6,549
Clarke	27	27	0	Prince Edward	45,300	31,807	13,493
Craig	16,560	2,980	13,571	Prince George	36,947	26,636	10,112
Culpeper	16,717	13,714	3,003	Prince William	2,749	2,576	173
Cumberland	42,106	19,644	22,564	Richmond	13,665	10,964	2,701
Dickenson	1,147	0	1,147	Roanoke	3,137	252	2,885
Dinwiddie	47,618	29,978	17,640	Rockbridge	25,176	5,103	20,073
Essex	22,006	14,891	7,115	Rockingham	7,162	2,672	4,490
Fairfax	3,360	3,277	83	Russell	10,170	0	10,170
Fauquier	11,460	10,450	1,010	Scott	21,957	0	21,987
Floyd	283	138	145	Shenandoah	2,247	2,058	189
Fluvanna	21,462	8,855	12,607	Smyth	5,984	0	5,984
Franklin	50,558	20,596	29,962	Southampton	101,447	27,696	73,841
Frederick	10,739	6,049	2,690	Spotsylvania	57,194	44,532	12,662
Giles	2,323	210	2,113	Stafford	2,033	1,316	717
Gloucester	15,326	12,387	2,939	Suffolk	56,652	30,683	25,769
Goochland	22,871	19,313	3,558	Surry	47,596	32,123	15,473
Grayson	5,375	62	5,313	Sussex	60,011	35,323	24,608
Greene	247	205	42	Tazewell	181	0	161
Greensville	50,780	16,971	33,809	Virginia Beach	1,128	769	359
Halifax	52,760	21,556	31,204	Warren	931	719	212
Hanover	15,494	11,851	3,643	Washington	4,549	0	4,549
Henrico	6,285	5,397	2,888	Westmordand	3,133	1,226	1,907
Henry	4,035	990	3,045	Wise	11,992	0	11,992
Highland	8,562	1,147	7,415	Wythe	1,963	0	1,963
Isle of Wight	21,955	7,913	14,042	York	307	135	172
James City	6,401	3,508	2,803	All counties	2,306,956	1,235,355	1,071,601
King and Queen	31,934	20,838	11,096				

¹ Counties with no pulpwood production are omitted.

Table 19 — Southern pulpmills, by process and capacity, 1991

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
Demopol	[5]	Gull Slates Paper Corporation	700	700	0	0	0
Selma	[6]	International paper Company	1,205	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
Cocosa Pines	[10]	Kimberly-Clark Corporation	2,040	1,100	940	0	0
Pine Hill	[11]	McMillan Bloedel, Inc.	1,680	1,100	0	580	0
Mahrt	[12]	Mead Corporation	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
Montgomery	[15]	Union Camp Corporation	2,400	2,400	0	0	0
Total			20,968	18,068	1,290	1,610	0
ARKANSAS							
Pine Bluff	[16]	Gaylord Container Corporation	380	380	0	0	0
Crossett	[17]	Georgia-Pacific Corporation	1,600	1,600	0	0	0
Morrilton	[18]	Green Bay packaging, Inc.	800	800	0	0	0
Camden	[19]	International paper Company	750	750	0	0	0
Pine Bluff	[20]	International paper Company	1,700	1,300	400	0	0
Ashdown	[21]	Georgia-Pecific Corporation	1,550	1,550	0	0	0
McGehee	[22]	Potlatch Corporation	535	535	0	0	0
Little Rock	[23]	Superwood Corporation	140	0	140	0	0
Total			7,455	6,915	540	0	0
FLORIDA							
Cantonment	[24]	Champion International Corporation	1,450	1,450	0	0	0
Palatka	[25]	Georgia-Pacific Corporation	1,400	1,400	0	0	0
Fernandina Beach	[26]	I.T.T. Rayonier, Inc.	425	0	0	0	425
Fernandim Beach	[27]	Jefferson Smurfit Corporation/CCA	2,000	2,000	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	1,400	1,400	0	0	0
Panama City	[32]	Stone Container Corporation	1,580	1,580	0	0	0
Total			12,055	11,630	0	0	425
GEORGIA							
Augusta	[33]	Augusta Newsprint Company	1,200	0	1,200	0	0
Augusta	[34]	Federal Paper Board Company	2,245	2,245	0	0	0
Brunswick	[35]	Georgia-Pacific Corporation	2,000	2,000	0	0	0
Cedar Springs	[36]	Georgia-Pacific Corporation	2,910	2,395	0	515	0
St. Marys	[37]	Gilman Paper Company	1,150	1,150	0	0	0
Rome	[38]	Inland-Rome, Inc.	2,200	2,200	0	0	0
Riceboro	[39]	Interstate paper Corporation	680	680	0	0	0
Jesup	[40]	I.T.T. Rayonier, Inc.	1,725	1,725	0	0	0
Macon	[41]	Macon Kraft Company	1,000	1,000	0	0	0
Clyattville	[42]	Packaging Corporation of America	1,100	1,100	0	0	0
Oglethorpe	[43]	Proctor and Gamble Cellulose	750	750	0	0	0
Port Wentworth	[44]	Stone Savannah pulp and paper Corporation	825	825	0	0	0
Savannah	[45]	Union Camp Corporation	3,000	3,000	0	0	0
Total			20,785	19,070	1,200	515	0

Continued

Table 19--Southern pulpmills, by process and capacity, 1991 --Continued

Location	Map code ^a	Company	Pulping capacity, 24 hours ^b				
			All processes	Sulfate	Groundwood and other mechanical	Semi-chemical	sods and sulfite
<i>Tons</i>							
LOUISIANA							
DeRidder	[46]	Boise Cascade Corporation	2,250	1,305	945	0	0
Bogalusa	[47]	Gaylord Container Corporation	1,600	1,600	0	0	0
Port Hudson	[48]	Georgia-Pacific Corporation	1,650	1,850	0	0	0
Bastrop	[49]	International Paper Company	1,100	1,100	0	0	0
Pineville	[50]	International Paper Company	965	965	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 Internationl Corporation	2,000	1,600	0	400	0
Hodge	[55]	Stone Container Corporation	1,750	1,400	0	350	0
Campti	[56]	Willamette Industries, Inc.	650	650	0	0	0
Total			15,065	12,640	1,195	1,250	0
MISSISSIPPI							
Monticello	[57]	Georgia-Pacific Corporation	2,600	2,600	0	0	0
New Augusta	[58]	Georgia-Pacific Corporation	1,465	1,465	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	1,160	1,160	0	0	0
Laurel	[62]	Masonite Corporation	3,380	0	3,380	0	0
Grenada	[63]	Newsprint South	670	0	670	0	0
Columbus	[64]	Weyerhaeuser Company	1,420	1,200	0	220	0
Total			12,535	6,265	4,050	220	0
NORTH CAROLINA							
Roaring River	[65]	Abitibi-Price Corporation	500	0	500	0	0
Goldsboro	[66]	Celotex Corporation	100	0	100	0	0
Canton	[67]	Champion International Corporation	1,480	1,460	0	0	0
Roanoke Rapids	[68]	Champion International Corporation	1,250	1,250	0	0	0
Riegelwood	[69]	Federal Paper Board Company, Inc.	2,260	2,250	0	0	0
Conway	[70]	Georgia-Pacific Corporation	200	0	200	0	0
New Bern	[71]	Weyerhaeuser Company	750	750	0	0	0
Plymouth	[72]	Weyerhaeuser Company	1,700	1,450	0	250	0
Total			6,230	7,160	800	250	0
OKLAHOMA							
Pryor	[73]	Georgia-Pacific Corporation	200	0	200	0	0
Valliint	[74]	Weyerhaeuser Company	2,150	1,650	0	500	0
Total			2,350	1,650	200	500	0
SOUTH CAROLINA							
Catawba	[75]	Bowaters Incorporated	1,390	1,130	260	0	0
Catawba	[76]	Catawba Newsprint Company	660	0	680	0	0
Georgetown	[77]	International Paper Company	1,713	1,613	0	100	0
Sellers	[78]	Masonite Corporation	450	0	450	0	0
Hartsville	[79]	Sonoco Products Company	300	0	0	300	0
Florence	[80]	Storm Container Corporation	1,400	1,400	0	0	0
Eastover	[81]	Union Camp Corporation	1,850	1,650	0	0	0
Charleston	[82]	Westvaco Corporation	2,300	2,300	0	0	0
Bennettsville	[83]	Willamette Industries	600	600	0	0	0
Total			10,663	6,693	1,390	400	0

Continued

Table 19--Southern pulpmills, by process and capacity, 1991 --Continued

Location	Map code ^a	Company	Pulping capacity, 24 hours ^b				
			All processes	sulfate	Groundwood and other mechanical	Semi-chemical	sods and sulfite
<i>Tons</i>							
TENNESSEE							
Calhoun	[84]	Bowaters Southern Paper Corporation	2,440	700	1,740	0	0
New Johnsonville	[85]	Inland Container Corporation	400	0	0	400	0
Kingsport	[86]	Mead Corporation	360	0	0	0	360
Knoxville	[87]	Tamko Asphalt Products, Inc.	125	0	125	0	0
Counce	[88]	Packaging Corporation of America	1,700	1,700	0	0	0
Total			5,025	2,400	1,865	400	360
TEXAS							
Houston	[89]	Champion International Corporation	1,725	575	1,150	0	0
Lufkin	[90]	Champion International Corporation	1,300	500	800	0	0
Texarkana	[91]	International Paper Company	1,200	1,200	0	0	0
Pasadena	[92]	Simpson Pasadena Paper Company	800	800	0	0	0
Orange	[93]	Temple-Orange, Inc.	1,300	1,300	0	0	0
Diboll	[94]	Temple Inland Forest Products Corp.	1,430	0	1,430	0	0
Silsbee	[95]	Temple Inland Forest Products Corp.	1,675	1,675	0	0	0
Total			9,430	8,050	3,380	0	0
VIRGINIA							
Ashland	[96]	Bear Island Paper Company	620	0	620	0	0
West Point	[97]	Chesapeake Corporation	1,450	1,450	0	0	0
Jarratt	[98]	Georgia-Pacific Corporation	450	0	450	0	0
Big Island	[99]	Georgia-Pacific Corporation	680	0	0	680	0
Hopewell	[100]	Stone Container Corporation	1,050	1,050	0	0	0
Franklin	[101]	Union Camp Corporation	1,950	1,950	0	0	0
Riverville	[102]	Virginia Fiber Corporation	600	0	0	600	0
Covington	[103]	Westvaco Corporation	1,600	1,350	0	250	0
Danville	[104]	Wood Fiber Industries	330	0	330	0	0
Total			8,730	5,800	1,400	1,530	0
Total South			133,331	108,561	17,310	8,675	785

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

^b Lockwood-Post's Directory (1991) and other sources.

Table 20--Other mills using southern pulpwood in 1991, by process and capacity

Location	Company	Pulping capacity, 24 hours ^a				
		All processes	Sulfate	Groundwood and other mechanical	Semi-chemical	soda and sulfite
<i>Tons</i>						
KENTUCKY						
Wickliffe	Westvaco Corporation	800	800	0	0	0
Hawesville	Willamette Industries	1,025	750	0	275	0
MARYLAND						
Luke	Westvaco Corporation	913	913	0	0	0
PENNSYLVANIA						
Spring Grove	P.H. Glatfelter Company	560	560	0	0	0

^a Lockwood-Post's Directory (1991) and other sources.

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Howell, Michael, 1992. Southern pulpwood production, 1991.
Resour. Bull. SE-137. Asheville, NC: U.S. Department of
Agriculture, Forest Service, Southeastern Forest Experiment Station.
25 pp.

In 1991, Southern pulpwood production climbed 1 percent, to 65.08 million cords. Roundwood production increased 2 percent to 46.6 million cords, and wood residue production fell 5 percent to 18.4 million cords. One new pulpmill began operating in the region. Pulping capacity of the 104 southern pulpmills was 133,331 tons per day.

KEYWORDS: Pulpwood, roundwood, residues, pulpmills.

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25 pp.

In 1991, Southern pulpwood production climbed 1 percent, to 65.08 million cords. Roundwood production increased 2 percent to 49.9 million cords, and wood residue production fell 5 percent to 18.4 million cords. One new pulpmill began operating in the region. Pulping capacity of the 104 southern pulpmills was 133,331 tons per day.

KEYWORDS: Pulpwood, roundwood, residues, pulpmills.