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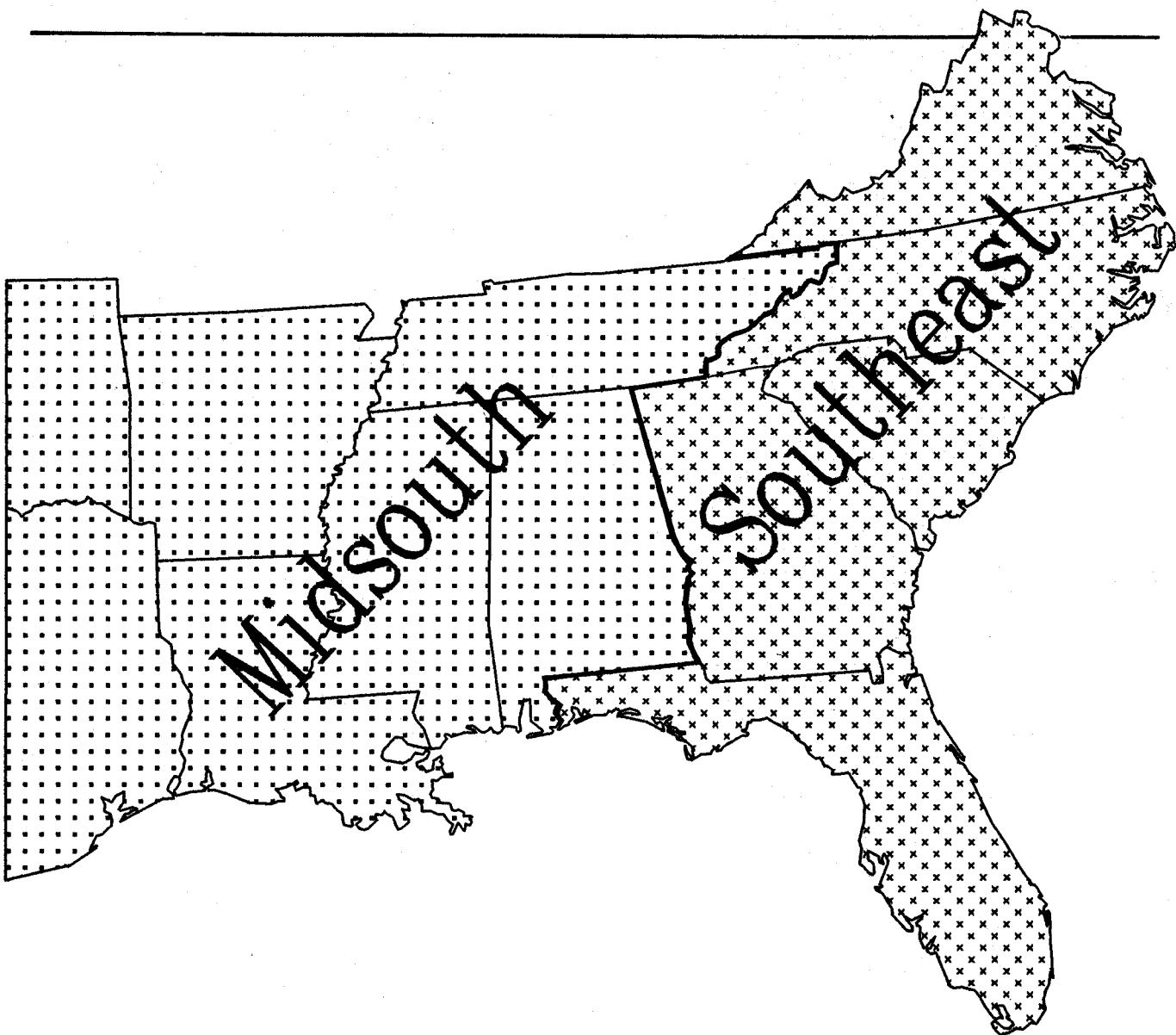


Southeastern Forest
Experiment Station

Resource Bulletin
SE-137

Southern Pulpwood Production, 1991

Michael Howell



In this report:

	Page
SOUTHERN PULPWOOD	
PRODUCTION, BY—	
• Roundwood and Plant Residues	5-7
• State	10-22
• Species group	5-7
• Territory	7
• County	10-22
PULPMILLS USING SOUTHERN	
WOOD, BY—	
• Location, process, and capacity	23-25

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Southern Pulpwood Production, 1991

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Asheville, North Carolina
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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).

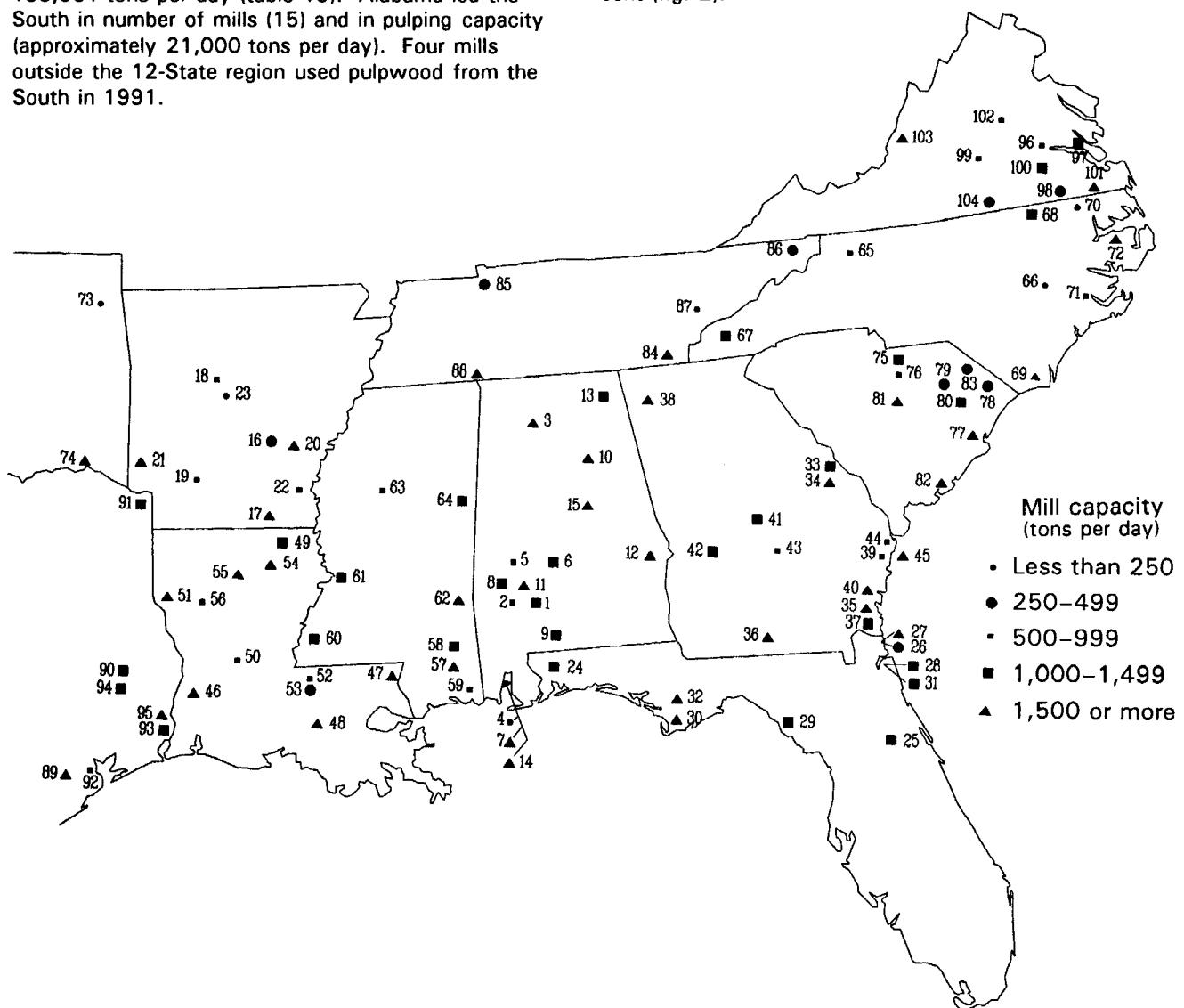


Figure 1—1991 capacity of southern pulpmills operating and drawing wood from the 12 Southern States. Numerals are coded to table 19.

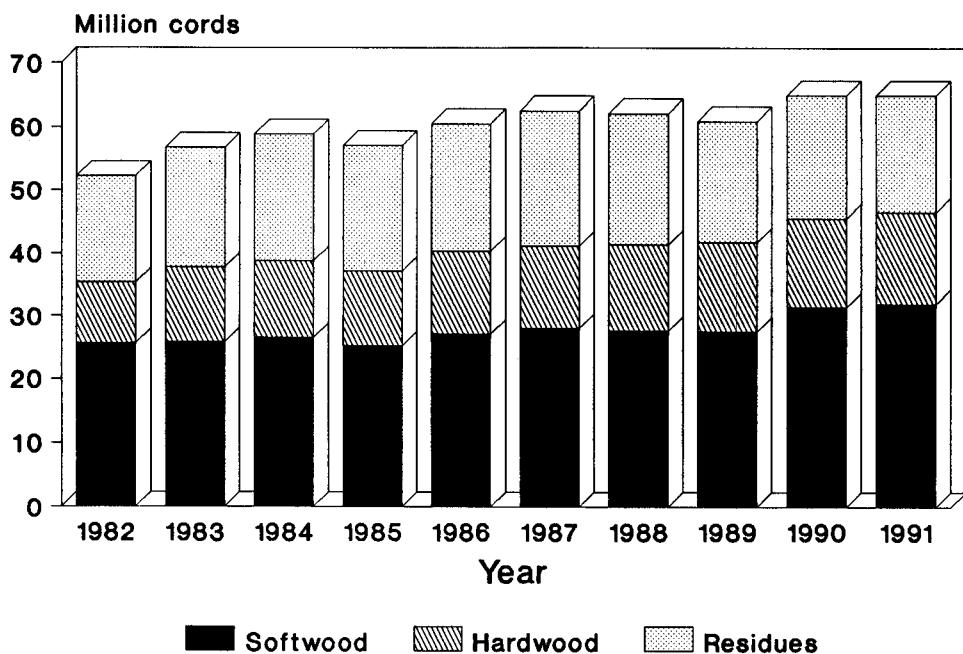
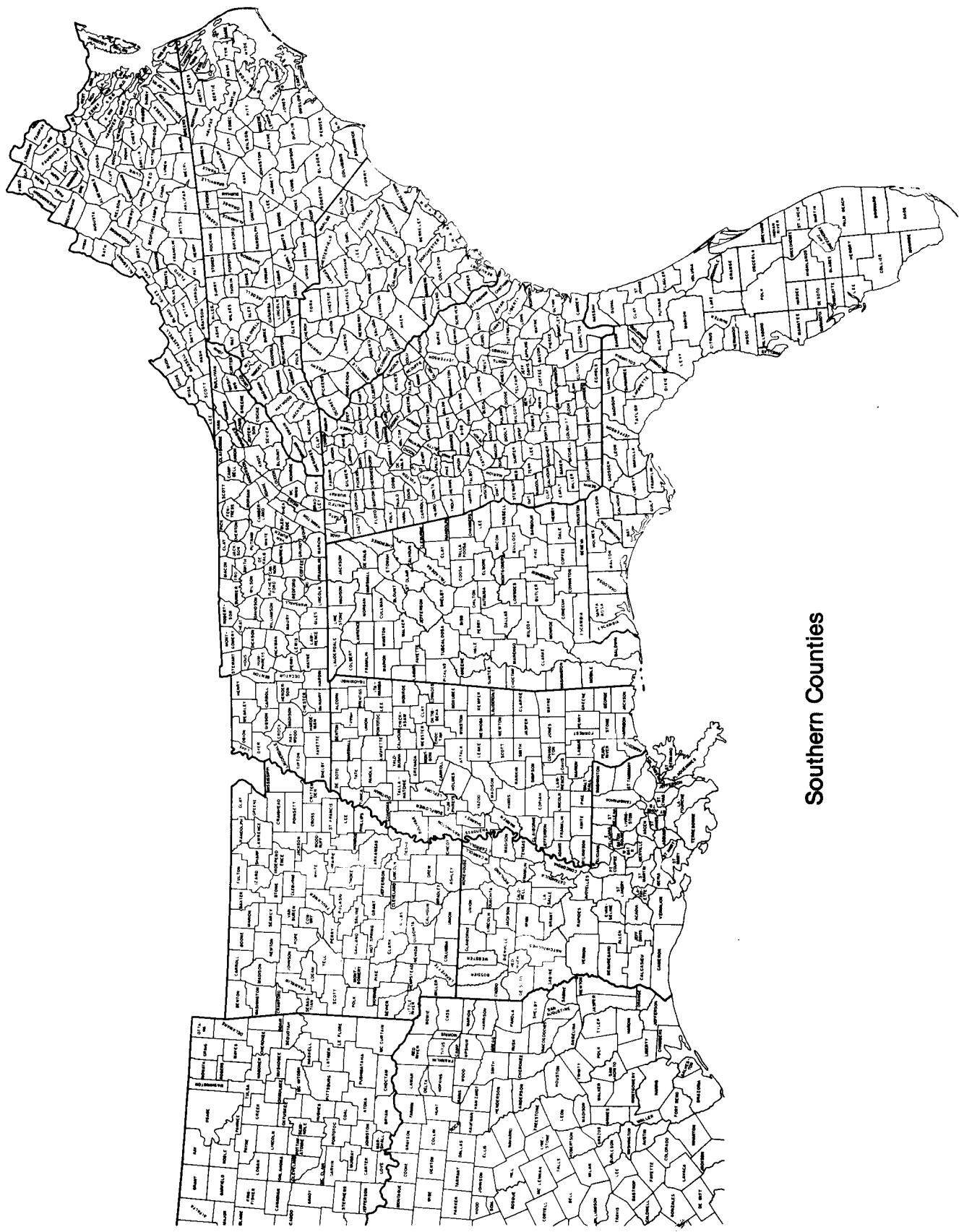


Figure 2--Southern pulpwood production, 1982-1991.

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	4,638.9	-7
Florida	4,907.1	-2
Georgia	9,756.6	5
Louisiana	5,948.0	-7
Mississippi	8,149.8	2
North Carolina	6,602.4	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>							
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>							
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	867.2
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	49.6	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.

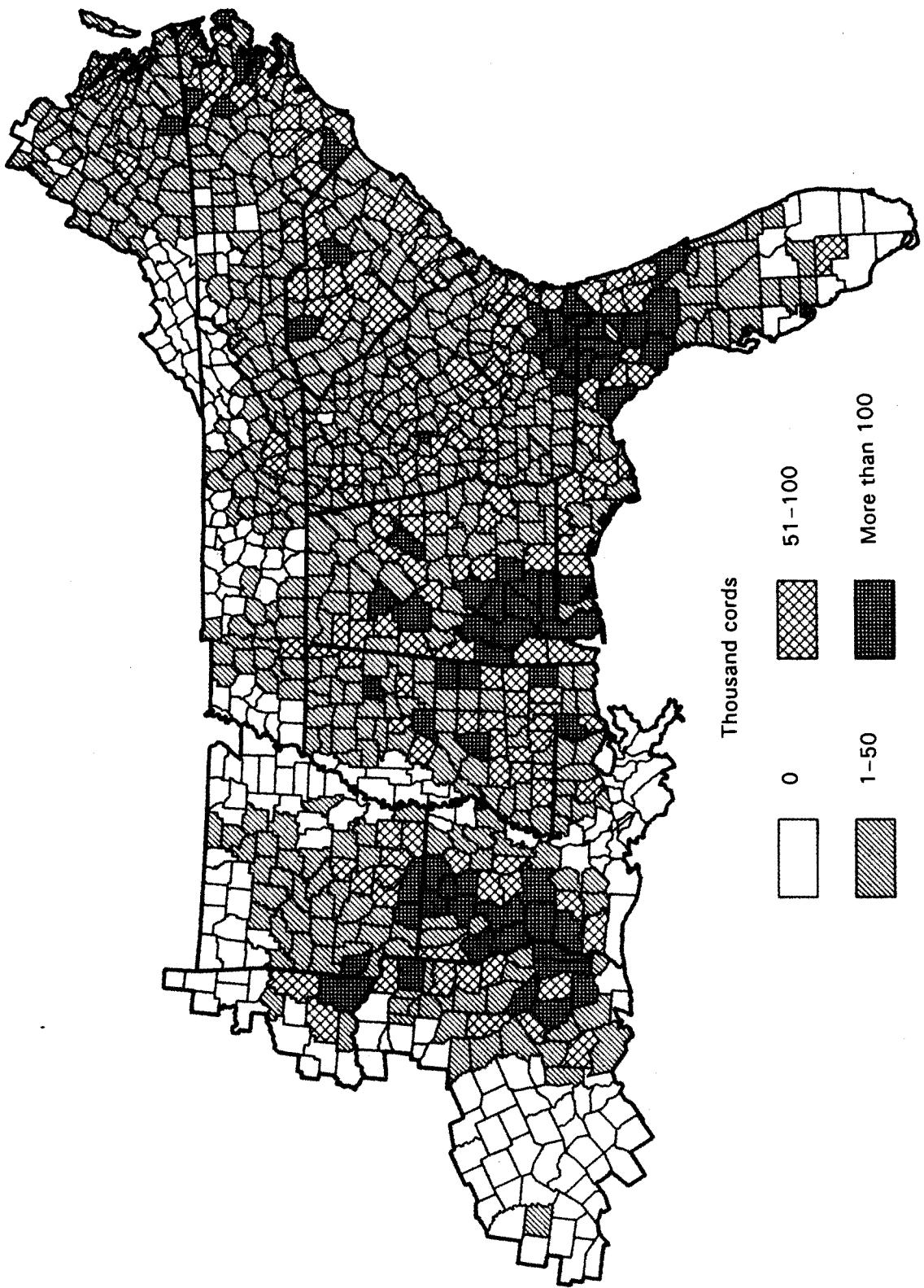
Table 6—Pulpwood production in the Southeast and the Midsouth, 1991

Region and source of wood	All species	Standard cords	
		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

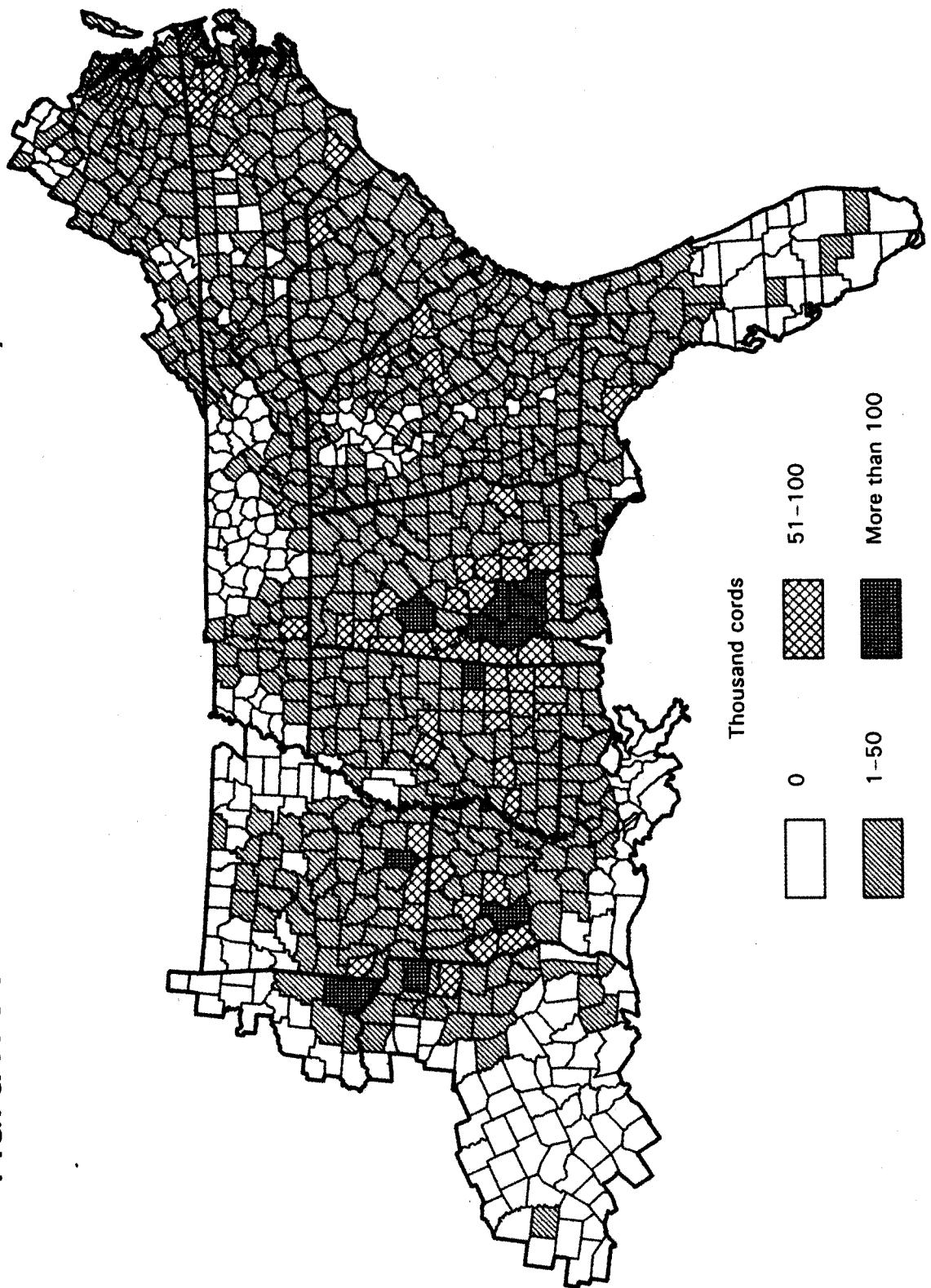


Table 7—Round pulpwood production in Alabama, 1991

County*	All species	Softwood	Hardwood	County*	All species	Softwood	Hardwood
Standard cords				Standard cords			
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
Barbour	143,445	72,708	70,737	Lamar	92,758	28,755	64,003
Bibb	133,927	89,294	44,633	Lauderdale	27,784	15,359	12,425
Blount	79,629	33,994	45,635	Lawrence	34,401	14,639	19,762
Bullock	94,146	55,903	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	61,298	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	64,444	36,171	28,273	Marengo	233,347	111,674	121,673
Choctaw	206,460	113,750	92,710	Marion	136,382	58,590	77,792
Clarke	405,025	239,759	165,266	Marshall	24,022	8,054	15,968
Clay	112,849	74,086	38,763	Mobile	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	179,620	92,211	87,409
Covington	158,724	90,820	67,904	Pike	66,582	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	84,106	52,600
Elmore	50,914	27,461	23,453	Talladega	133,014	105,524	27,490
Escambia	221,271	160,396	60,875	Tallapoosa	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	61,615	Washington	145,104	81,418	63,686
Geneva	47,102	17,621	29,481	Wilcox	307,631	131,130	176,501
Greene	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				

* 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
Standard cords				Standard cords			
Arkansas	8,620	19	8,601	Little River	52,034	25,586	26,448
Ashley	144,928	68,713	76,215	Logan	4,545	4,407	138
Baxter	510	266	244	Lonoke	3,114	71	3,043
Bradley	175,241	53,861	121,380	Miller	90,456	49,179	41,277
Calhoun	126,786	94,104	32,682	Monroe	1,981	653	1,328
Carroll	9	0	9	Montgomery	16,262	8,398	7,864
Chicot	22,286	867	21,419	Nevada	49,138	30,031	19,107
Clark	52,016	30,385	21,631	Newton	4,190	206	3,984
Cleburne	32,362	18,441	13,921	Ouachita	89,928	61,221	28,707
Cleveland	78,920	46,513	32,407	Perry	25,546	14,041	11,505
Columbia	176,525	122,168	54,357	Phillips	9	0	9
Conway	24,194	18,428	5,766	Pike	15,315	9,066	6,249
Craighead	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
Faulkner	1,901	1,462	439	St. Francis	550	78	472
Franklin	10	10	0	Saline	28,186	24,468	3,718
Fulton	1,425	775	650	Scott	10,921	5,982	4,939
Garland	11,569	6,793	4,776	Searcy	2,426	152	2,274
Grant	115,078	93,571	21,507	Sebastian	783	775	8
Hempstead	58,316	36,632	21,684	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	8,639	5,095
Independence	5,597	547	5,050	Union	217,998	134,368	83,630
Izard	1,412	1,412	0	Van Buren	25,003	10,213	14,790
Jackson	561	170	391	Washington	67	0	67
Jefferson	61,649	39,264	22,385	White	18,531	2,547	15,984
Johnson	2,130	1,582	548	Yell	9,887	5,240	4,647
Lafayette	69,661	38,989	30,672	All counties	2,547,734	1,538,744	1,008,990
Lincoln	31,873	25,657	6,216				

* 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>							
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	58,966	55,273	3,693
Broward	844	0	844	Madison	69,745	57,589	12,156
Calhoun	109,865	97,831	12,034	Marion	169,623	160,215	9,408
Charlotte	5,407	5,407	0	Nassau	241,752	225,227	16,525
Citrus	6,218	4,432	1,786	Okaloosa	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	8,136	Suwannee	115,863	101,374	14,489
Hardee	18,764	17,840	924	Taylor	494,323	436,335	57,988
Hendry	82,873	82,242	631	Union	34,860	34,162	698
Hernando	2,222	2,222	0	Volusia	142,524	136,810	5,714
Hillsborough	2,593	2,593	0	Wakulla	24,065	22,300	1,765
Holmes	105,413	70,291	35,122	Walton	105,823	95,653	10,170
Indian River	1,852	1,852	0	Washington	58,856	43,900	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	31,228	29,796	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	2,167
Bleckley	21,630	16,736	4,894	Fulton	12,356	12,356	0
Brantley	128,657	111,167	17,490	Gilmer	19,368	19,368	0
Brooks	26,095	13,896	12,199	Glascock	19,623	10,002	9,621
Bryan	54,059	41,568	12,491	Glynn	84,695	64,224	20,471
Bullock	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	88,964	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	107,769	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	27,658
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	21,264	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*	All species	Softwood	Hardwood	County*	All species	Softwood	Hardwood
						<i>Standard cords</i>	
McDuffie	31,779	21,091	10,688	Spalding	22,285	21,791	494
McIntosh	74,140	58,581	15,559	Stephens	4,001	2,307	1,694
Macon	44,215	43,371	844	Stewart	80,876	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	68,898	47,368	21,530
Meriwether	107,915	79,194	28,721	Taliaferro	31,522	8,248	23,274
Miller	4,143	3,157	986	Tattnall	42,314	31,926	10,388
Mitchell	53,544	39,508	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	15,383	7,224	Terrell	22,754	17,686	5,068
Morgan	14,546	11,523	3,023	Thomas	50,276	38,533	11,743
Murray	30,362	29,295	1,067	Tift	15,984	14,504	1,480
Muscogee	17,848	14,220	3,628	Toombs	47,409	39,762	7,647
Newton	22,091	21,963	128	Towns	2,066	880	1,186
Oconee	10,029	5,195	4,834	Treutlen	20,026	18,208	1,818
Oglethorpe	39,783	14,179	25,604	Troup	43,095	38,263	4,832
Paulding	43,245	38,039	5,206	Turner	10,075	9,820	255
Peach	21,873	21,873	0	Twiggs	48,967	42,059	6,908
Pickens	8,670	8,670	0	Union	6,683	3,774	2,909
Pierce	27,502	21,371	6,131	Upson	85,503	75,605	9,898
Pike	15,375	14,253	1,122	Walker	20,889	16,499	4,390
Polk	49,900	47,274	2,626	Walton	7,534	3,985	3,549
Pulaski	12,253	11,745	508	Ware	121,936	117,730	4,206
Putnam	47,018	46,150	868	Warren	63,550	33,078	30,472
Quitman	21,996	15,101	6,895	Washington	74,796	23,645	51,151
Rabun	7,801	4,016	3,785	Wayne	100,841	80,544	20,297
Randolph	43,956	32,747	11,209	Webster	42,833	37,647	5,186
Richmond	36,831	21,296	15,535	Wheeler	21,131	15,316	5,815
Rockdale	3,337	3,337	0	Whitfield	33,349	32,249	1,100
Schley	35,877	22,346	13,531	Wilcox	63,390	59,591	3,799
Screven	80,476	38,620	41,856	Wilkes	103,883	45,617	58,266
Seminole	3,702	3,114	588	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*	All species	Softwood	Hardwood	Parish*	All species	Softwood	Hardwood
<i>Standard cords</i>							
Acadia	3,314	2,837	477	Madison	22,458	34	22,424
Allen	75,063	66,630	8,433	Morehouse	60,237	21,421	38,816
Ascension	5,533	1,250	4,283	Natchitoches	481,407	369,661	111,746
Avoyelles	33,275	4,145	29,130	Orleans	8	0	8
Beauregard	259,796	259,796	0	Ouachita	93,665	59,043	34,622
Bienville	235,208	180,084	55,124	Pointe Coupee	2,875	0	2,875
Bossier	80,525	36,535	43,990	Rapides	139,300	125,766	13,534
Caddo	108,285	76,413	31,872	Red River	44,940	31,725	13,215
Calcasieu	57,678	57,458	220	Richland	10,495	1,493	9,002
Caldwell	78,637	43,938	34,699	Sabine	306,584	245,002	61,582
Cameron	22	22	0	St. Charles	318	107	211
Catahoula	34,830	28,222	6,608	St. Helena	70,202	45,038	25,164
Claiborne	194,204	147,133	47,071	St. James	267	0	267
Concordia	30,821	10	30,811	St. Landry	910	63	847
De Soto	192,191	128,818	63,373	St. Martin	2,699	0	2,699
East Baton Rouge	12,527	5,569	6,958	St. Tammany	51,005	47,761	3,244
East Carroll	16,315	24	16,291	Tangipahoa	68,025	44,788	23,237
East Feliciana	33,971	22,267	11,704	Tensas	36,282	1,276	35,006
Evangeline	34,464	30,670	3,794	Union	217,999	146,160	71,839
Franklin	11,104	1,301	9,803	Vermilion	14	14	0
Grant	65,553	51,998	13,555	Vernon	296,277	291,149	5,128
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	80	West Feliciana	10,086	3,288	6,798
La Salle	122,447	100,079	22,368	Winn	146,789	93,218	53,571
Lincoln	195,687	150,360	45,327	All parishes	4,318,915	3,187,171	1,131,744
Livingston	85,450	59,777	25,673				

* 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>							
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	61,681	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
Claiborne	68,440	22,274	46,166	Noxubee	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	29,679	17,233	12,446
Forrest	138,054	77,771	60,283	Prentiss	76,587	47,106	29,481
Franklin	76,400	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	62,215	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	26,439	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	All counties	5,825,057	3,442,725	2,382,332
Leflore	1,256	157	1,099				

* Counties with no pulpwood production are omitted.

Table 13 -- Round pulpwood production in North Carolina, 1991

County ^a	All species	Softwood	Hardwood	County ^a	All species	Softwood	Hardwood
Standard cords				Standard cords			
Alamance	1,746	1,572	174	Lee	14,153	7,605	6,548
Alexander	5,277	3,646	1,631	Lenoir	60,602	39,839	20,763
Alleghany	366	8	358	Lincoln	20,698	17,177	3,521
Anson	76,118	68,069	8,049	McDowell	39,938	19,560	20,378
Ashe	1,136	96	1,040	Macon	29,930	18,690	11,240
Avery	5,871	3,388	2,483	Madison	18,725	9,546	9,179
Beaufort	290,996	222,890	68,106	Martin	86,724	79,796	6,928
Bertie	134,995	67,464	67,531	Mecklenburg	10,601	10,093	508
Bladen	108,076	65,870	42,206	Mitchell	5,871	3,388	2,483
Brunswick	95,854	78,310	17,544	Montgomery	24,170	19,513	4,657
Buncombe	65,988	37,660	28,328	Moore	74,772	47,211	27,561
Burke	53,951	33,218	20,733	Nash	76,434	31,271	45,163
Cabarrus	5,327	5,327	0	New Hanover	51,970	43,950	8,020
Caldwell	13,495	5,639	7,856	Northampton	201,831	102,715	99,116
Camden	20,064	9,407	10,657	Onslow	105,554	72,711	32,843
Carteret	38,741	30,105	8,636	Orange	1,654	643	1,011
Caswell	15,720	17	15,703	Pamlico	74,022	60,235	13,787
Catawba	8,573	6,734	1,839	Pasquotank	11,097	4,189	6,908
Chatham	15,100	5,359	9,741	Pender	120,301	85,665	34,636
Cherokee	49,697	36,051	13,646	Perquimans	45,137	37,056	8,081
Chowan	48,296	32,545	15,751	Person	25,648	9,786	15,862
Clay	6,938	4,140	2,798	Pitt	80,437	60,660	19,777
Cleveland	52,348	37,834	14,514	Polk	42,215	26,136	16,079
Columbus	214,877	140,973	73,904	Randolph	447	357	90
Craven	107,485	58,146	49,339	Richmond	39,599	34,609	4,990
Cumberland	54,126	38,066	16,060	Robeson	94,464	60,046	34,418
Currituck	50,511	23,386	27,125	Rockingham	19,938	786	19,152
Dare	125,209	103,572	21,637	Rowan	13,604	7,110	6,494
Davidson	8,655	6,521	2,134	Rutherford	76,968	45,878	31,090
Davie	28	0	28	Sampson	97,721	61,477	36,244
Duplin	117,274	77,878	39,396	Scotland	40,596	27,529	13,067
Durham	517	512	5	Stanly	10,198	9,463	735
Edgecombe	168,078	103,467	64,611	Stokes	16,737	57	16,680
Forsyth	631	481	150	Surry	10,058	3,924	6,134
Franklin	37,006	26,046	10,960	Swain	17,087	10,215	6,872
Gaston	8,676	8,447	229	Transylvania	8,933	3,690	5,243
Gates	57,162	22,374	34,788	Tyrrell	52,027	51,528	499
Graham	9,904	5,182	4,722	Union	62,606	17,091	45,515
Granville	20,861	16,381	4,480	Vance	21,210	15,336	5,874
Greene	44,229	25,205	19,024	Wake	87,958	30,523	57,435
Guilford	4,764	1,665	3,099	Warren	58,445	36,066	22,379
Halifax	166,079	72,971	93,108	Washington	66,252	39,633	26,619
Harnett	19,572	15,743	3,829	Watauga	505	12	493
Haywood	70,867	38,422	32,445	Wayne	45,287	12,549	32,738
Henderson	7,882	3,891	3,991	Wilkes	23,033	6,718	16,315
Hertford	104,101	52,964	51,137	Wilson	44,351	24,329	20,022
Hoke	7,655	5,567	2,088				
Hyde	43,432	33,987	9,445	Yadkin	1,274	120	1,154
Iredell	17,428	14,480	2,948	Yancey	5,544	3,177	2,367
Jackson	23,620	12,336	11,284	All counties	4,828,413	3,016,347	1,812,066
Johnston	34,235	13,725	20,510				
Jones	51,550	28,952	22,598				

^a 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	58,490	1,521
McCurtain	907,382	716,698	190,684
Pushmataha	90,768	69,832	20,936
All counties	1,074,417	856,271	218,146

^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
Standard cords				Standard cords			
Abbeville	47,860	32,198	15,662	Jasper	60,785	50,062	10,723
Aiken	72,595	53,298	19,297	Kershaw	148,758	130,486	18,272
Allendale	49,674	41,514	8,160	Lancaster	126,126	97,872	28,254
Anderson	32,795	23,255	9,540	Laurens	100,322	66,452	33,870
Bamberg	44,903	30,536	14,367	Lee	38,978	27,932	11,046
Barnwell	56,897	35,722	21,175	Lexington	80,960	62,097	18,863
Beaufort	17,226	11,409	5,817	McCormick	72,452	46,377	26,075
Berkeley	95,780	82,927	12,853	Marion	28,911	9,723	19,188
Calhoun	12,729	6,158	6,571	Marlboro	80,249	55,804	24,445
Charleston	32,211	25,758	6,453	Newberry	120,353	100,453	19,900
Cherokee	51,794	44,918	6,876	Oconee	64,766	41,632	23,134
Chester	119,986	85,888	34,098	Orangeburg	79,990	39,701	40,289
Chesterfield	144,516	85,159	59,357	Pickens	42,465	24,550	17,915
Clarendon	45,548	28,131	17,417	Richland	73,730	56,187	17,543
Colleton	105,050	83,571	21,479	Saluda	70,632	43,536	27,096
Darlington	44,612	19,062	25,550	Spartanburg	131,247	103,538	27,709
Dillon	66,069	30,862	35,207	Sumter	38,045	19,983	18,062
Dorchester	102,166	74,178	27,988	Union	78,356	63,179	15,177
Edgefield	101,539	68,140	33,399	Williamsburg	77,623	67,888	9,735
Fairfield	101,009	81,846	19,163	York	70,930	64,834	6,096
Florence	61,343	35,705	25,638	All counties	3,280,492	2,342,018	938,474
Georgetown	51,295	43,075	8,220				
Greenville	46,679	28,958	17,721				
Greenwood	54,576	23,617	30,959				
Hampton	83,911	57,086	26,825				
Horry	52,051	36,761	15,290				

* Counties with no pulpwood production are omitted.

Table 16--Round pulpwood production in Tennessee, 1991

County ^a	All species	Softwood	Hardwood	County ^a	All species	Softwood	Hardwood
<i>Standard cords</i>							
Anderson	4,962	4,962	0	Knox	82	0	82
Bedford	208	208	0	Lawrence	32,597	10,068	22,529
Benton	24,058	13,723	10,335	Lewis	18,677	9,530	9,147
Bledsoe	11,122	4,093	7,029	Lincoln	405	16	389
Blount	25,546	25,546	0	Loudon	8,865	8,757	108
Bradley	32,294	29,964	2,330	McMinn	65,461	59,099	6,362
Carroll	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	5,543	1,497	Maury	1,154	0	1,154
Claiborne	383	0	383	Meigs	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	21,630	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	167	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	2,909	Scott	9,858	9,858	0
Giles	4,844	1,843	3,001	Sequatchie	25,939	21,212	4,727
Grainger	919	0	919	Sevier	647	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	4,934	Unicoi	665	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	50,994	12,271	Warren	1,586	1,586	0
Hawkins	14,176	85	14,091	Washington	1,133	0	1,133
Haywood	116	57	59	Wayne	123,566	36,305	87,261
Henderson	6,627	4,883	1,744	Weakley	5,943	1,401	4,542
Henry	14,813	2,277	12,536	White	26,101	25,776	325
Hickman	41,787	4,562	37,225	Williamson	797	797	0
Houston	4,020	279	3,741				
Humphreys	21,158	1,059	20,099				
Jefferson	355	0	355				
Johnson	3,814	0	3,814	All counties	1,150,328	743,200	407,128

^a Counties with no pulpwood production are omitted.

Table 17 -- Round pulpwood production in Texas, 1991

County ^a	All species	Softwood	Hardwood	County ^a	All species	Softwood	Hardwood
<i>Standard cords</i>							
Anderson	18,185	11,062	7,123	Marion	81,344	49,795	31,549
Angelina	184,633	184,624	9	Montgomery	82,891	82,891	0
Blanco	9	0	9	Morris	29,455	17,709	11,746
Bowie	88,005	56,081	31,924	Nacogdoches	51,284	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	40,613	3,248	Upshur	62,357	40,564	21,793
Llano	17,506	8,329	9,177	Walker	42,569	42,569	0
				All counties	2,360,073	1,899,337	460,736

^a Counties with no pulpwood production are omitted.

Table 18--Round pulpwood production in Virginia, 1991

County*	All species	Softwood	Hardwood	County*	All species	Softwood	Hardwood
Standard cords				Standard cords			
Accomack	16,986	15,056	1,930	King George	1,350	942	408
Albermarle	44,813	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				
Bath	16,077	1,819	14,258	Madison	1,830	1,308	522
Bedford	43,303	7,005	36,298	Mathews	9,920	2,944	6,976
Bland	980	0	980	Mickeburg	36,421	18,865	17,556
Botetourt	35,737	8,203	27,534	Middlesex	630	91	539
Brunswick	129,475	104,046	25,429	Nelson	60,754	19,119	41,635
Buchanan	1,539	0	1,539	New Kent	47,561	27,833	19,728
Buckingham	142,531	95,238	47,293	Newport News	31	0	31
Campbell	83,622	45,902	37,720	Northampton	174	174	0
Caroline	26,336	19,532	6,804	Northumberland	11,206	6,099	5,107
Charles City	26,587	21,875	4,712	Nottoway	27,050	23,611	3,439
Charlotte	79,496	41,025	38,471	Orange	3,004	1,870	1,134
Chesapeake	7,287	2,453	4,834	Patrick	80	0	80
Chesterfield	20,271	15,595	4,676	Pittsylvania	69,322	35,166	34,156
Clarke	27	27	0	Powhatan	29,890	23,341	6,549
Craig	16,560	2,989	13,571	Prince Edward	45,300	31,807	13,493
Culpeper	16,717	13,714	3,003	Prince George	36,947	26,835	10,112
Cumberland	42,108	19,544	22,564	Prince William	2,749	2,576	173
Dickenson	1,147	0	1,147	Richmond	13,665	10,964	2,701
Dinwiddie	47,618	29,978	17,640	Roanoke	3,137	252	2,885
Essex	22,006	14,891	7,115	Rockbridge	25,176	5,103	20,073
Fairfax	3,360	3,277	83	Rockingham	7,162	2,672	4,490
Fauquier	11,460	10,450	1,010	Russell	10,170	0	10,170
Floyd	283	138	145	Scott	21,987	0	21,987
Fluvanna	21,462	8,855	12,607	Shenandoah	2,247	2,058	189
Franklin	50,558	20,596	29,962	Smyth	5,984	0	5,984
Frederick	10,739	8,049	2,690	Southampton	101,447	27,606	73,841
Giles	2,323	210	2,113	Spotsylvania	57,194	44,532	12,662
Gloucester	15,326	12,387	2,939	Stafford	2,033	1,316	717
Goochland	22,871	19,313	3,558	Suffolk	56,652	30,883	25,769
Grayson	5,375	62	5,313	Surry	47,596	32,123	15,473
Greene	247	205	42	Sussex	60,011	35,323	24,688
Greensville	50,780	16,971	33,809	Tazewell	161	0	161
Halifax	52,760	21,556	31,204	Virginia Beach	1,128	769	359
Hanover	15,494	11,851	3,643	Warren	931	719	212
Henrico	8,285	5,397	2,888	Washington	4,549	0	4,549
Henry	4,035	990	3,045	Westmoreland	3,133	1,226	1,907
Highland	8,562	1,147	7,415	Wise	11,992	0	11,992
Isle of Wight	21,955	7,913	14,042	Wythe	1,963	0	1,963
James City	6,401	3,508	2,893	York	307	135	172
King and Queen	31,934	20,838	11,096	All counties	2,306,956	1,235,355	1,071,601

* 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
			<i>Tons</i>			
ALABAMA						
Clairborne	[1]	Alabama River Pulp Company	1,333	1,333	0	0
Jackson	[2]	Boise Cascade Paper Group	600	600	0	0
Courtland	[3]	Champion International Corporation	2,100	2,100	0	0
Mobile	[4]	GAF Corporation	50	0	50	0
Demopolis	[5]	Gulf States Paper Corporation	700	700	0	0
Selma	[6]	International Paper Company	1,285	1,285	0	0
Mobile	[7]	International Paper Company	1,500	1,200	300	0
Naheola	[8]	James River Corporation	1,250	1,250	0	0
Brewton	[9]	Jefferson Smurfit/CCA	1,300	1,300	0	0
Coosa Pines	[10]	Kimberly-Clark Corporation	2,040	1,100	940	0
Pine Hill	[11]	McMillan Bloedel, Inc.	1,680	1,100	0	580
Mehrt	[12]	Mead Corporation	2,000	2,000	0	0
Stevenson	[13]	Mead Corporation	1,030	0	0	1,030
Mobile	[14]	Scott Paper Company	1,700	1,700	0	0
Montgomery	[15]	Union Camp Corporation	2,400	2,400	0	0
		Total	20,968	18,068	1,290	1,610
ARKANSAS						
Pine Bluff	[16]	Gaylord Container Corporation	380	380	0	0
Crossett	[17]	Georgia-Pacific Corporation	1,600	1,600	0	0
Morrilton	[18]	Green Bay Packaging, Inc.	800	800	0	0
Camden	[19]	International Paper Company	750	750	0	0
Pine Bluff	[20]	International Paper Company	1,700	1,300	400	0
Ashdown	[21]	Georgia-Pacific Corporation	1,550	1,550	0	0
McGehee	[22]	Potlatch Corporation	535	535	0	0
Little Rock	[23]	Superwood Corporation	140	0	140	0
		Total	7,455	6,915	540	0
FLORIDA						
Cantonment	[24]	Champion International Corporation	1,450	1,450	0	0
Palatka	[25]	Georgia-Pacific Corporation	1,400	1,400	0	0
Fernandina Beach	[26]	I.T.T. Rayonier, Inc.	425	0	0	425
Fernandina Beach	[27]	Jefferson Smurfit Corporation/CCA	2,000	2,000	0	0
Jacksonville	[28]	Jefferson Smurfit Corporation	1,000	1,000	0	0
Perry	[29]	Proctor and Gamble Cellulose	1,100	1,100	0	0
Port St. Joe	[30]	St. Joe Forest Products Company	1,700	1,700	0	0
Jacksonville	[31]	Stone Container Corp., Seminole Kraft	1,400	1,400	0	0
Panama City	[32]	Stone Container Corporation	1,580	1,580	0	0
		Total	12,055	11,630	0	0
GEORGIA						
Augusta	[33]	Augusta Newsprint Company	1,200	0	1,200	0
Augusta	[34]	Federal Paper Board Company	2,245	2,245	0	0
Brunswick	[35]	Georgia-Pacific Corporation	2,000	2,000	0	0
Cedar Springs	[36]	Georgia-Pacific Corporation	2,910	2,395	0	515
St. Marys	[37]	Gilman Paper Company	1,150	1,150	0	0
Rome	[38]	Inland-Rome, Inc.	2,200	2,200	0	0
Riceboro	[39]	Interstate Paper Corporation	680	680	0	0
Jesup	[40]	I.T.T. Rayonier, Inc.	1,725	1,725	0	0
Macon	[41]	Macon Kraft Company	1,000	1,000	0	0
Clyattville	[42]	Packaging Corporation of America	1,100	1,100	0	0
Oglethorpe	[43]	Proctor and Gamble Cellulose	750	750	0	0
Port Wentworth	[44]	Stone Savannah Pulp and Paper Corporation	825	825	0	0
Savannah	[45]	Union Camp Corporation	3,000	3,000	0	0
		Total	20,785	19,070	1,200	515

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	
			<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	1,850	1,850	0	0	0
Bastrop	[49]	International Paper Company	1,100	1,100	0	0	0
Pineville	[50]	International Paper Company	985	985	0	0	0
Mansfield	[51]	International Paper Company	1,900	1,400	0	500	0
St. Francisville	[52]	James River Communication Papers	550	550	0	0	0
St. Francisville	[53]	James River Communication Papers	250	0	250	0	0
West Monroe	[54]	Riverwood International Corporation	2,000	1,600	0	400	0
Hodge	[55]	Stone Container Corporation	1,750	1,400	0	350	0
Campti	[56]	Willamette Industries, Inc.	850	850	0	0	0
		Total	15,085	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	1,485	1,485	0	0	0
Moss Point	[59]	International Paper Company	700	700	0	0	0
Natchez	[60]	International Paper Company	1,100	1,100	0	0	0
Vicksburg	[61]	International Paper Company	1,180	1,180	0	0	0
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	8,265	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	1,480	0	0	0
Roanoke Rapids	[68]	Champion International Corporation	1,250	1,250	0	0	0
Riegelwood	[69]	Federal Paper Board Company, Inc.	2,250	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	8,230	7,180	800	250	0
OKLAHOMA							
Pryor	[73]	Georgia-Pacific Corporation	200	0	200	0	0
Valiant	[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	680	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]	Stone Container Corporation	1,400	1,400	0	0	0
Eastover	[81]	Union Camp Corporation	1,850	1,850	0	0	0
Charleston	[82]	Westvaco Corporation	2,300	2,300	0	0	0
Bennettsville	[83]	Willamette Industries	600	600	0	0	0
		Total	10,683	8,893	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
					Tons	Tons	Tons
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	6,050	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
						6,675	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
				Tons	Tons	Tons
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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