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Southern Pulpwood Production, 1984

Dennis M. May

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New Orleans, Louisiana

and

Southeastern Forest Experiment Station
Asheville, North Carolina

of the

Forest Service, U.S. Department of Agriculture

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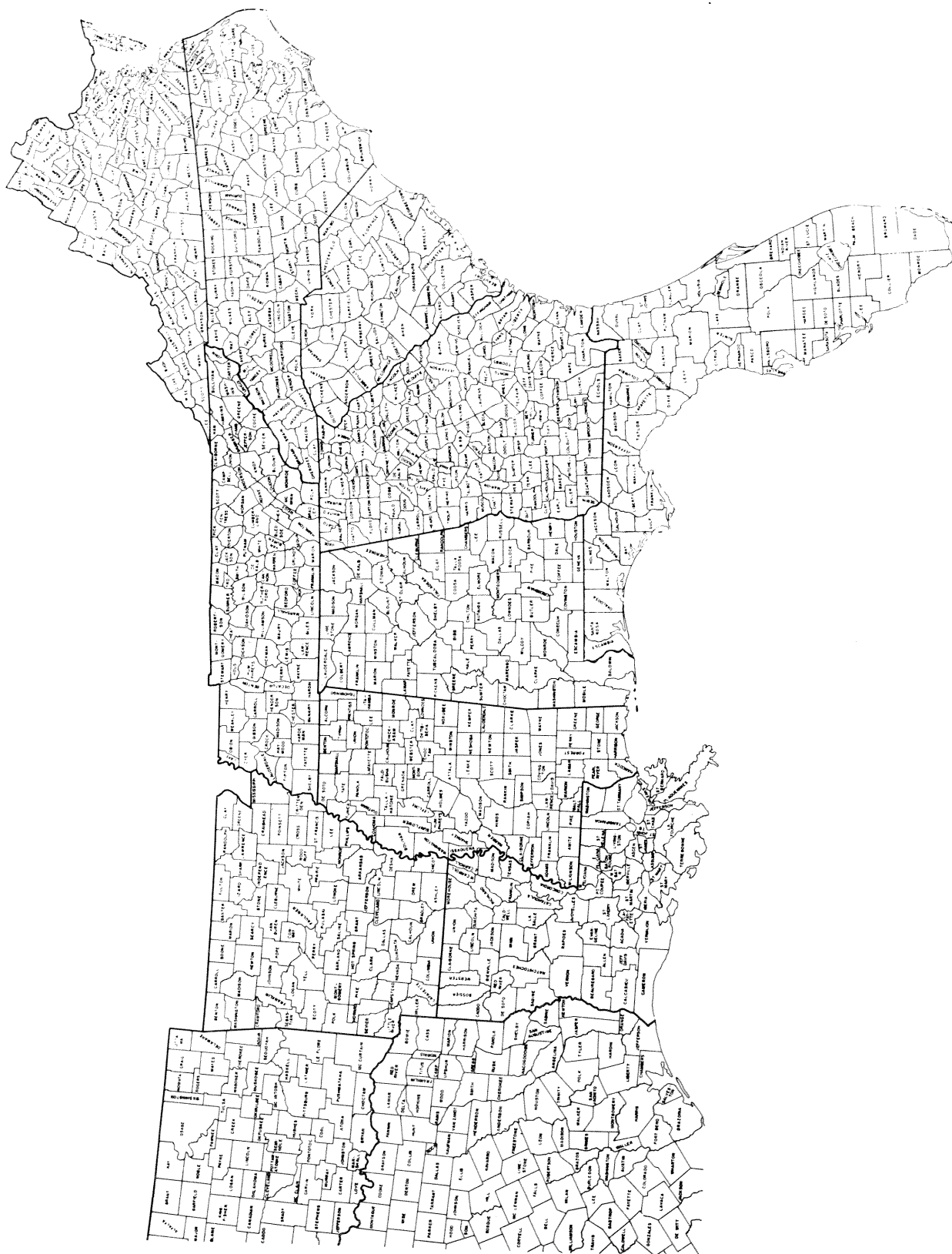


Figure 1.--The twelve Southern States and the counties in each.

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INTRODUCTION

This publication presents the findings of a 100-percent canvass of all wood-using pulp mills drawing roundwood or wood residues from the 12 Southern States (fig. 1). Canvass data are compiled annually and analyzed on an alternating basis by personnel of the Forest Inventory and Analysis Units of the Southern and Southeastern Forest Experiment Stations. All production figures are reported in standard cords. When necessary, pulpwood production data for mills reporting in nonstandard units are converted to standard cords using regional conversion factors.

PULPWOOD

Southern pulpwood production reached 58.7 million cords in 1984, the highest production to date and a 4 percent increase over 1983's production of 56.6 million cords (table 1). Softwood roundwood accounted for 45 percent, hardwood roundwood accounted for 21 percent, and wood residues accounted for

Table 1.--Pulpwood production in the South during 1984, and change since 1983

State	Pulpwood	Change
--Thousand cords--- -----Percent-----		
Alabama	9,573.7	7
Arkansas	4,339.9	4
Florida	4,434.1	1
Georgia	9,815.5	2
Louisiana	5,085.2	6
Mississippi	5,910.0	5
North Carolina	5,234.8	9
Oklahoma	608.2	-19
South Carolina	4,472.8	2
Tennessee	1,368.2	-4
Texas	4,274.3	1
Virginia	3,612.7	3
All states	58,729.3	4

the remaining 34 percent of the total production. As in past years, Georgia was the top producing state with 9.8 million cords, followed closely by Alabama with 9.6 million cords. All states, except Oklahoma and Tennessee, had production gains of 1 to 9 percent in 1984. North Carolina had the highest percentage increase, 9 percent, and Alabama had the largest volume increase, 585,000 cords. The Midsouth led in the production of pulpwood, supplying 31.2 million cords as compared to the Southeast's production of 27.6 million cords (table 2).

Roundwood

Southern roundwood production increased 3 percent in 1984 to 38.7 million cords (table 3). Roundwood supplied approximately two-thirds of the pulpwood production in 1984. Softwood roundwood made up 68 percent of the roundwood production. In total roundwood production, Alabama led with 6.9 million cords, followed by Georgia with 6.4 million cords (table 4). Mississippi ranked third with 4.2 million cords. North Carolina had the highest percentage increase, 13 percent, and Arkansas had the highest percentage decrease, 13 percent.

Table 2.--Pulpwood production in the Southeast and Midsouth, 1984

Region and source of wood	All species	Softwood	Hardwood
-----Standard cords-----			
Southeast ¹			
Roundwood	18,649,946	13,796,512	4,853,434
Residues	8,919,861	7,060,160	1,859,701
Total	27,569,807	20,856,672	6,713,135
Midsouth ²			
Roundwood	20,060,178	12,656,464	7,403,714
Residues	11,099,328	8,344,777	2,754,551
Total	31,159,506	21,001,241	10,158,265
Entire South			
Roundwood	38,710,124	26,452,976	12,257,148
Residues	20,019,189	15,404,937	4,614,252
Total	58,729,313	41,857,913	16,871,400

¹States of Florida, Georgia, North Carolina, South Carolina, and Virginia.

²States of Alabama, Arkansas, Louisiana, Mississippi, Oklahoma, Tennessee, and Texas.

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Table 3.--Roundwood production in the South, by state and species group, 1984 and 1983

State	Change from 1983		1984		1983		
		All species	Softwood	Hardwood	All species	Softwood	Hardwood
<i>Percent</i>		<i>-----Thousand cords-----</i>					
Alabama	4	6,943.5	4,244.0	2,699.5	6,693.5	4,153.1	2,540.4
Arkansas	-13	1,578.4	949.9	628.5	1,809.9	1,061.9	748.1
Florida	-5	3,100.0	2,834.5	265.5	3,262.2	2,913.9	348.2
Georgia	1	6,434.9	5,516.2	918.7	6,374.8	5,479.9	894.8
Louisiana	8	3,733.0	2,643.6	1,089.5	3,459.3	2,579.8	879.5
Mississippi	4	4,239.6	2,475.6	1,764.0	4,081.1	2,313.3	1,767.9
North Carolina	13	3,394.3	2,005.1	1,389.3	3,004.8	1,750.4	1,254.4
Oklahoma	-2	125.4	73.6	51.8	127.8	74.4	53.4
South Carolina	8	3,170.6	2,147.4	1,023.2	2,926.9	2,089.5	837.3
Tennessee	-2	1,000.0	530.5	469.5	1,016.0	512.4	503.6
Texas	0	2,440.4	1,739.3	701.0	2,442.8	1,706.6	736.1
Virginia	0	2,550.1	1,293.3	1,256.8	2,551.0	1,124.8	1,426.1
All states	3	38,710.1	26,453.0	12,257.1	37,750.2	25,760.2	11,989.9

Table 4.--Roundwood production in the South, by state and species group, 1984

State	1984		
	All species	Softwood	Hardwood
<i>-----Thousand cords-----</i>			
Alabama	6,943.5	4,244.0	2,699.5
Arkansas	1,578.4	949.9	628.5
Florida	3,100.0	2,834.5	265.5
Georgia	6,434.9	5,516.2	918.7
Louisiana	3,733.0	2,643.6	1,089.5
Mississippi	4,239.6	2,475.6	1,764.0
North Carolina	3,394.3	2,005.1	1,389.3
Oklahoma	125.4	73.6	51.8
South Carolina	3,170.6	2,147.4	1,023.2
Tennessee	1,000.0	530.5	469.5
Texas	2,440.4	1,739.3	701.0
Virginia	2,550.1	1,293.3	1,256.8
All states	38,710.1	26,453.0	12,257.1

These same two States also had the largest volume changes since 1983; North Carolina increased by 389,500 cords, and Arkansas decreased by 231,500 cords (table 3).

Each of a total of 110 counties produced more than 100,000 cords of roundwood in 1984 (Appendix tables A-1 - A-12). Thirty of those counties were in Alabama (table A-1). Of those states having counties with roundwood production in excess of 250,000 cords, Louisiana led with three parishes (table A-5), followed by Alabama (table A-1), Texas (table A-11), and Florida (table A-3) with one county each. Florida's Taylor County produced more roundwood than any county in the South, supplying 355,899 cords, of which 325,999 cords were softwood.

By region, the seven Midsouth States produced more roundwood than the five Southeastern States, 20.1 million cords to 18.7 million cords (table 2). However, the Southeastern States produced more softwood roundwood, 13.8 million cords to the Midsouth's 12.7 million cords. Conversely, the Midsouth produced 53 percent more hardwood roundwood than the Southeast.

Wood Residues

In 1984, wood residue production in the South increased 6 percent to 20 million cords (table 5). Approximately three-quarters of the wood residues produced were softwoods. Chipped residues accounted for 97 percent of all residues (table 6). Georgia led all states in the production of wood residues with 3.4 million cords, followed by Arkansas with 2.8 million cords. Alabama ranked third with 2.6 million cords. All states, except Oklahoma, South Carolina, and Tennessee, had production increases in 1984 (table 5). Florida had the highest percentage increase, up 20 percent from 1983. Arkansas had the largest volume increase, up almost 400,000 cords. Both Florida and Arkansas offset their roundwood production losses, 162,200

and 231,500 cords, respectively, with gains in wood residue production of 219,400 and 399,200 cords, respectively. Oklahoma had the highest percentage decrease, 23 percent, and the largest volume decrease, 144,300 cords, since 1983 (table 5). The Midsouth topped the Southeast in wood residue production, supplying 55 percent of the total residue volume (table 2).

TRENDS

From 1974 through 1984, Southern pulpwood production was on the rise, increasing 20 percent from 49.1 to 58.7 million cords (fig. 2). During that same period, roundwood pulpwood production increased from 35.6 to 38.7 million cords, a 9 percent gain. However, because softwood roundwood production had remained relatively

Table 5.--Southern output of wood residues for pulp manufacture, by state and species group, 1984 and 1983

State	Change from 1983	1984			1983		
		All species	Softwood	Hardwood	All species	Softwood	Hardwood
<i>Percent</i>		<i>-----Thousand cords-----</i>					
Alabama	15	2,630.2	2,037.0	593.2	2,295.2	1,867.1	428.1
Arkansas	17	2,761.5	2,017.5	744.0	2,362.3	1,837.2	525.2
Florida	20	1,334.1	1,242.7	91.4	1,114.7	1,031.8	82.9
Georgia	5	3,380.6	2,928.7	451.9	3,215.1	2,834.7	380.4
Louisiana	1	1,352.2	1,008.3	343.8	1,335.9	1,089.7	246.2
Mississippi	8	1,670.4	1,307.9	362.5	1,553.2	1,268.5	284.6
North Carolina	4	1,840.4	1,338.4	502.0	1,776.0	1,114.5	661.4
Oklahoma	-23	482.9	307.8	175.0	627.2	399.7	227.5
South Carolina	-10	1,302.2	1,053.5	248.7	1,442.9	1,181.3	261.6
Tennessee	-9	368.2	32.9	335.3	403.6	20.0	383.6
Texas	3	1,833.9	1,633.3	200.7	1,787.8	1,645.6	142.1
Virginia	12	1,062.6	496.9	565.7	948.7	467.4	481.4
All states	6	20,019.2	15,405.0	4,614.3	18,862.9	14,757.6	4,105.3

Table 6.-- Southern output of wood residues for pulp manufacture, by state and type of residue, 1984

State	All types	Chips			Other residues ¹		
		All species	Softwood	Hardwood	All species	Softwood	Hardwood
-----Thousand cords-----							
Alabama	2,630.2	2,455.7	1,194.0	541.7	174.6	123.0	51.5
Arkansas	2,761.5	2,684.2	1,940.2	744.0	77.3	77.3	0.0
Florida	1,334.1	1,270.7	1,187.4	83.3	63.3	55.2	8.1
Georgia	3,380.6	3,370.4	2,928.6	441.8	10.3	0.1	10.1
Louisiana	1,352.2	1,351.6	1,008.1	343.5	0.6	0.2	0.4
Mississippi	1,670.4	1,593.1	1,247.5	345.6	77.3	60.4	16.9
North Carolina	1,840.4	1,814.7	1,325.2	489.5	25.7	13.2	12.5
Oklahoma	482.9	452.6	277.6	175.0	30.2	30.2	0.0
South Carolina	1,302.2	1,298.3	1,053.5	244.8	3.9	0.0	3.9
Tennessee	368.2	301.2	32.7	268.5	67.0	0.2	66.8
Texas	1,833.9	1,823.2	1,622.7	200.5	10.7	10.5	0.2
Virginia	1,062.6	1,029.2	487.2	542.0	33.4	9.8	23.6
All States	20,019.2	19,444.9	15,024.8	4,420.2	574.3	380.2	194.1

¹Veneer cores, pole and piling trim, cull material, sawdust, and secondary residues.

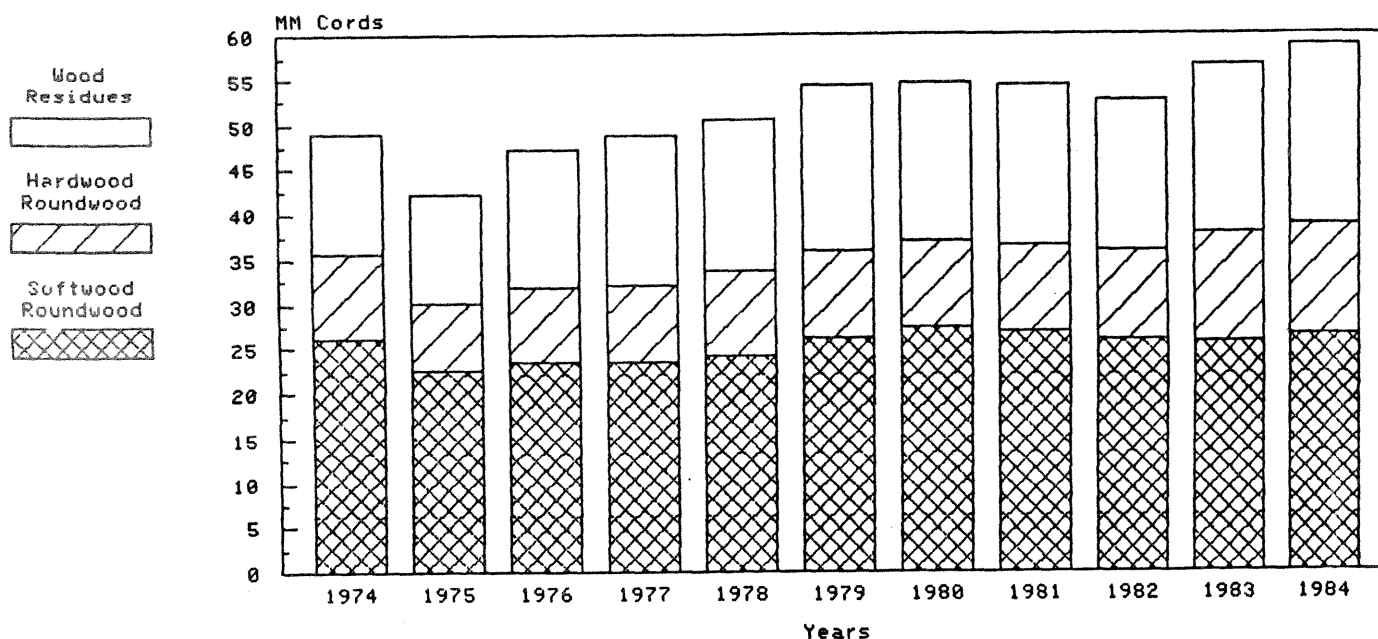


Figure 2.--Pulpwood production trends, 1974-84.

stable, increasing only 1 percent from 26.2 million cords in 1974 to 26.5 million cords in 1984, most of the increase in roundwood production since 1974 can be attributed to the increased utilization of hardwoods for pulpwood. Between 1974 and 1984, hardwood roundwood production increased 30 percent, from 9.4 to 12.2 million cords, and was responsible for 90 percent of the total increase in roundwood production during that period.

The importance of wood residues as a source of fiber in the Southern States can be documented by the 48-percent increase in their production from 1974 through 1984 (fig. 2). In 1974, wood residue production totaled 13.5 million cords and accounted for 27 percent of all pulpwood production. In contrast, chip and other wood residue production in 1984 totaled 20.0 million cords and represented 34 percent of the total pulpwood production. As a result of

this increased utilization, increases in wood residue production accounted for approximately two-thirds of the total pulpwood production increase between 1974 and 1984.

MILLS

In 1984, 108 Southern pulpmills were operating and drawing wood from the 12 Southern States (fig. 3 and table 7). Although down one mill from 1983, pulping capacity of these 108 Southern mills increased to over 120,000 tons per day (table 7). Alabama and Georgia led the South in the number of mills operating with 15 mills each. However, Georgia led in pulping capacity with 18,322 tons per day to Alabama's 17,249 tons per day. In addition, five pulpmills from outside the Southern region were also drawing wood from the South (table 8).

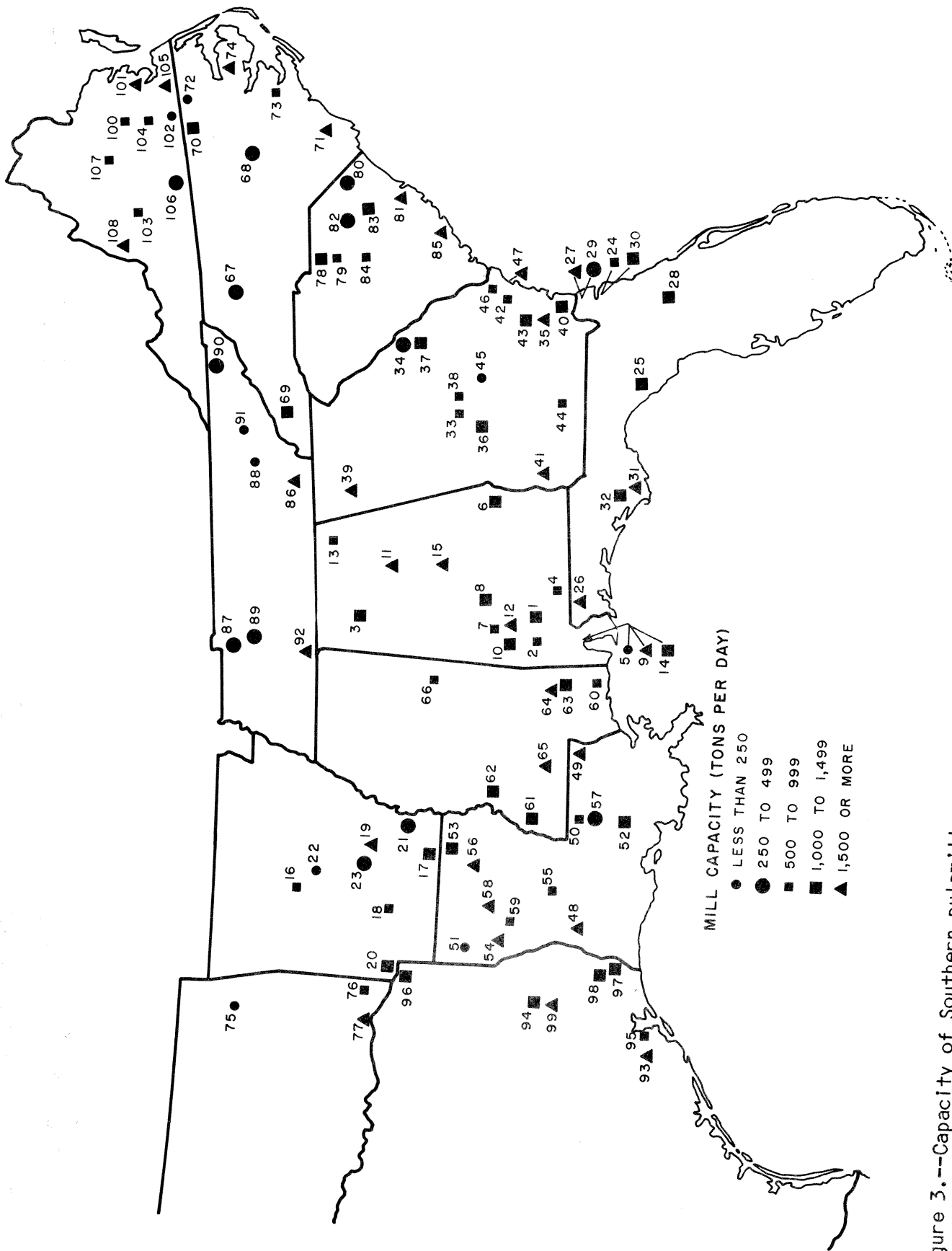


Figure 3.--Capacity of Southern pulp mills operating and drawing wood from the 12 Southern States, 1984.

Table 7.--Southern pulpmills, by process and capacity, 1984

Location	Map code ¹	Company	Pulping capacity, 24 hours ²				
			All processes	Sulfate	Groundwood and other mechanical	Semi- chemical	Soda and sulfite

----- Tons -----

ALABAMA

Claiborne	(1)	Alabama River Pulp Co.	1,000	1,000	--	--	--
Jackson	(2)	Allied Paper Co.	600	600	--	--	--
Courtland	(3)	Champion International Corp.	1,350	1,350	--	--	--
Brewton	(4)	Container Corp. of America	800	800	--	--	--
Mobile	(5)	GAF Corp.	50	--	50	--	--
Mahrt	(6)	Georgia Kraft Co., Alabama Div.	1,100	1,100	--	--	--
Demopolis	(7)	Gulf States Paper Corp.	525	525	--	--	--
Selma	(8)	Hammermill Paper Co.	1,100	1,100	--	--	--
Mobile	(9)	International Paper Co.	1,500	1,200	300	--	--
Naheola	(10)	James River Corp.	1,000	1,000	--	--	--
Coosa Pines	(11)	Kimberly-Clark Corp.	1,940	1,000	940	--	--
Pine Hill	(12)	McMillan Bloedel, Inc.	1,684	1,100	--	584	--
Stevenson	(13)	Mead Paperboard	850	--	--	850	--
Mobile	(14)	Scott Paper Co.	1,450	1,450	--	--	--
Montgomery	(15)	Union Camp Corp.	2,300	2,300	--	--	--
Total			17,249	14,525	1,290	1,434	--

ARKANSAS

Morrilton	(16)	Arkansas Kraft Corp.	800	800	--	--	--
Crossett	(17)	Georgia-Pacific Corp.	1,400	1,400	--	--	--
Camden	(18)	International Paper Co.	750	750	--	--	--
Pine Bluff	(19)	International Paper Co.	1,700	1,300	400	--	--
Ashdown	(20)	Nekoosa Papers, Inc.	1,285	1,285	--	--	--
McGehee	(21)	Potlatch Corp.	450	450	--	--	--
Little Rock	(22)	Superwood Corp.	140	--	140	--	--
Pine Bluff	(23)	Weyerhaeuser Co.	300	300	--	--	--
Total			6,825	6,285	540	--	--

FLORIDA

Jacksonville	(24)	Alton Packaging Corp.	750	750	--	--	--
Foley	(25)	The Buckeye Cellulose Corp.	1,000	1,000	--	--	--
Cantonment	(26)	Champion International Corp.	1,560	1,560	--	--	--
Fernandina Beach	(27)	Container Corporation of America	1,700	1,700	--	--	--
Palatka	(28)	Georgia-Pacific Corp.	1,300	1,300	--	--	--
Fernandina Beach	(29)	I.T.T. Rayonier, Inc.	400	--	--	--	400
Jacksonville	(30)	Jacksonville Kraft Paper Co.	1,400	1,400	--	--	--
Port St. Joe	(31)	St. Joe Paper Co.	1,700	1,700	--	--	--
Panama City	(32)	Southwest Forest Industries, Inc.	1,465	1,465	--	--	--
Total			11,275	10,875	--	--	400

GEORGIA

Macon	(33)	Armstrong World Industries	927	--	927	--	--
Augusta	(34)	Augusta Newsprint Co.	450	--	450	--	--
Brunswick	(35)	Brunswick Pulp and Paper Co.	1,735	1,735	--	--	--
Oglethorpe	(36)	Buckeye Cellulose Corp.	1,200	1,200	--	--	--
Augusta	(37)	Continental Forest Industries	1,200	800	400	--	--
Macon	(38)	Georgia Kraft Co., Mead Div.	900	900	--	--	--
Rome	(39)	Georgia Kraft Co., Krannert Div.	1,800	1,800	--	--	--
St. Marys	(40)	Gilman Paper Co., St. Marys Kraft Div.	1,100	1,100	--	--	--
Cedar Springs	(41)	Great Southern Paper Co.	2,270	1,870	--	400	--
Riceboro	(42)	Interstate Paper Corp.	550	550	--	--	--
Jesup	(43)	I.T.T. Rayonier, Inc.	1,400	1,400	--	--	--
Valdosta	(44)	Owens-Illinois, Forest Products Div.	940	940	--	--	--
Dublin	(45)	Southeast Paper Mfg. Co.	50	--	50	--	--
Port Wentworth	(46)	Stone Container Corp.	800	800	--	--	--
Savannah	(47)	Union Camp Corp.	3,000	3,000	--	--	--
Total			18,322	16,095	1,827	400	--

Table 7.--Southern pulpmills, by process and capacity, 1984 (Continued)

Location	Map code ¹	Company	Pulping capacity, 24 hours ²				
			All processes	Sulfate	Groundwood and other mechanical	Semi- chemical	Soda and sulfite
----- Tons -----							
LOUISIANA							
DeRidder	(48)	Boise Southern Co.	2,160	1,260	900	--	--
Bogalusa	(49)	Crown Zellerbach Corp.	1,600	1,300	--	300	--
St. Francisville	(50)	Crown Zellerbach Corp.	550	550	--	--	--
Shreveport	(51)	Genstar Roofing Productions Co.	225	--	--	225	--
Port Hudson	(52)	Georgia-Pacific Corp.	1,300	1,300	--	--	--
Bastrop	(53)	International Paper Co.	1,100	1,100	--	--	--
Pineville	(54)	International Paper Co.	985	985	--	--	--
Mansfield	(55)	International Paper Co.	1,900	1,400	--	500	--
West Monroe	(56)	Manville Forest Products Corp.	1,900	1,650	--	250	--
St. Francisville	(57)	St. Francisville Paper Co.	255	--	255	--	--
Hodge	(58)	Stone Container Corp.	1,650	1,300	--	350	--
Campti	(59)	Willamette Industries, Inc.	800	800	--	--	--
Total			14,425	11,645	1,155	1,625	--
MISSISSIPPI							
Moss Point	(60)	International Paper Co.	700	700	--	--	--
Natchez	(61)	International Paper Co.	1,100	1,100	--	--	--
Vicksburg	(62)	International Paper Co.	1,180	1,180	--	--	--
Monticello	(63)	Georgia-Pacific Corp.	1,620	1,620	--	--	--
New Augusta	(64)	Leaf River Forest Products	1,050	1,050	--	--	--
Laurel	(65)	Masonite Corp.	3,380	--	3,380	--	--
Columbus	(66)	Weyerhaeuser Co.	500	--	--	500	--
Total			9,530	5,650	3,380	500	--
NORTH CAROLINA							
Roaring River	(67)	Abitibi-Price Corp.	375	--	375	--	--
Goldsboro	(68)	Celotex Corp.	300	--	300	--	--
Canton	(69)	Champion International Corp.	1,400	1,400	--	--	--
Roanoke Rapids	(70)	Champion International Corp.	1,100	1,100	--	--	--
Riegelwood	(71)	Federal Paper Board Company, Inc.	2,000	2,000	--	--	--
Conway	(72)	Georgia-Pacific Corp.	200	--	200	--	--
New Bern	(73)	Weyerhaeuser Co.	725	725	--	--	--
Plymouth	(74)	Weyerhaeuser Co.	1,800	1,550	--	250	--
Total			7,900	6,775	875	250	--
OKLAHOMA							
Pryor	(75)	Georgia-Pacific Corp.	200	--	200	--	--
Broken Bow	(76)	Weyerhaeuser Co.	920	--	920	--	--
Valliant	(77)	Weyerhaeuser Co.	2,000	1,500	--	500	--
Total			3,120	1,500	1,120	500	--
SOUTH CAROLINA							
Catawba	(78)	Bowaters Carolina Co.	1,260	1,050	210	--	--
Catawba	(79)	Catawba Newsprint Co.	500	--	500	--	--
Marion	(80)	Celotex Corp.	450	--	450	--	--
Georgetown	(81)	International Paper Co.	1,713	1,613	--	100	--
Hartsville	(82)	Sonoco Products Co.	280	--	--	280	--
Florence	(83)	Stone Container Corp.	1,400	1,400	--	--	--
Eastover	(84)	Union Camp Corp.	700	700	--	--	--
Charleston	(85)	Westvaco Corp.	2,435	2,435	--	--	--
Total			8,738	7,198	1,160	380	--

Table 7.--Southern pulpmills, by process and capacity, 1984 (Continued)

Location	Map code ¹	Company	Pulping capacity, 24 hours ²				
			All processes	Sulfate	Groundwood and other mechanical	Semi- chemical	Soda and sulfite
----- Tons -----							
TENNESSEE							
Calhoun	(86)	Bowaters Southern Paper Corp.	2,197	697	1,290	--	210
Paris	(87)	The Celotex Corp.	300	--	--	300	--
Harriman	(88)	Harriman Paperboard Corp.	190	--	--	190	--
New Johnsonville	(89)	Inland Container Corp.	400	--	--	400	--
Kingsport	(90)	Mead Paper	300	--	--	--	300
Knoxville	(91)	Tamko Asphalt Products, Inc.	120	--	120	--	--
Counce	(92)	Tennessee River Pulp and Paper Co.	1,600	1,600	--	--	--
Total			5,107	2,297	1,410	890	510
TEXAS							
Houston	(93)	Champion International Corp.	1,850	650	1,200	--	--
Lufkin	(94)	Champion International Corp.	1,200	400	800	--	--
Pasadena	(95)	Champion International Corp.	840	840	--	--	--
Texarkana	(96)	International Paper Co.	1,200	1,200	--	--	--
Orange	(97)	Owens-Illinois, Inc.	1,200	1,200	--	--	--
Diboll	(98)	Temple-EastTex Inc.	1,430	--	1,430	--	--
Evadale	(99)	Temple-EastTex Inc.	1,500	1,500	--	--	--
Total			9,220	5,790	3,430	--	--
VIRGINIA							
Ashland	(100)	Bear Island Paper Co.	500	--	--	500	--
West Point	(101)	Chesapeake Corp.	1,505	1,505	--	--	--
Jarratt	(102)	Georgia-Pacific Corp.	240	--	240	--	--
Big Island	(103)	Owens-Illinois, Forest Products Div.	575	--	--	575	--
Hopewell	(104)	Stone Container Corp.	970	970	--	--	--
Franklin	(105)	Union Camp Corp.	2,100	2,100	--	--	--
Danville	(106)	United States Gypsum Co.	300	--	300	--	--
Riverville	(107)	Virginia Fiber Corp.	600	--	--	600	--
Covington	(108)	Westvaco Corp.	1,568	1,376	--	192	--
Total			8,358	5,951	540	1,867	--
Total South			120,069	94,586	16,727	7,846	910

¹Corresponds to numbers at locations on mill capacity map, fig. 3.²Southern Pulp and Paper Directory, Vol. 47, No. 10A (October 1984); and other sources.

Table 8.--Other mills using southern pulpwood in 1984, by process and capacity

Location	Company	Pulping capacity, 24 hours ¹				
		All processes	Sulfate	Groundwood and other mechanical	Semi-chemical	Soda and sulfite
----- Tons -----						
KENTUCKY						
Hawesville	Willamette Ind.	600	--	--	600	--
Wickliffe	Westvaco Corp.	739	739	--	--	--
MARYLAND						
Luke	Westvaco Corp.	866	866	--	--	--
PENNSYLVANIA						
Roaring Springs	Appleton Papers, Inc.	180	180	--	--	--
Spring Grove	P.H. Glatfelter Co.	550	550	--	--	--

¹Southern Pulp and Paper Directory, Vol. 47, No. 10A (October 1984); and other sources.

Appendix

Table A-1--Round pulpwood production in Alabama, 1984

County ¹	All species	Softwood	Hardwood	County ¹	All species	Softwood	Hardwood
-----Standard cords-----				-----Standard cords-----			
Autauga	99,907	59,115	40,791	Jefferson	116,742	100,624	16,117
Baldwin	178,138	117,588	60,550	Lamar	48,391	34,663	13,728
Barbour	98,535	64,346	34,188	Lauderdale	48,438	17,181	31,257
Bibb	88,092	52,781	35,311	Lawrence	23,246	9,306	13,940
Blount	42,407	24,672	17,734	Lee	127,377	99,203	28,174
Bullock	66,388	49,742	16,645	Limestone	12,279	3,636	8,643
Butler	186,493	118,306	68,187	Lowndes	69,589	42,972	26,617
Calhoun	49,477	42,707	6,769	Macon	48,981	30,665	18,315
Chambers	101,322	65,564	35,757	Madison	6,848	5,652	1,196
Cherokee	28,434	19,438	8,996	Marango	189,356	77,540	111,816
Chilton	93,652	55,502	38,150	Marion	112,824	69,316	43,508
Choctaw	226,717	83,893	142,823	Marshall	35,120	25,219	9,901
Clarke	321,806	124,201	197,605	Mobile	97,113	62,277	34,836
Clay	79,358	58,211	21,147	Monroe	311,372	57,875	153,497
Cleburne	47,487	42,492	4,994	Montgomery	100,426	59,885	40,540
Coffee	96,876	67,375	29,500	Morgan	26,511	9,998	16,513
Colbert	57,906	26,862	31,044	Perry	131,121	35,368	95,752
Conecuh	161,807	97,624	64,182	Pickens	174,599	104,805	69,793
Coosa	98,821	69,661	29,160	Pike	123,242	83,957	39,284
Covington	107,977	83,989	23,988	Randolph	205,502	146,452	59,049
Crenshaw	112,024	67,684	44,339	Russell	106,747	86,348	20,399
Cullman	93,724	72,659	21,065	St. Clair	76,156	64,908	11,248
Dale	58,578	27,424	31,153	Shelby	87,534	70,341	17,192
Dallas	132,126	51,125	81,001	Sumter	95,361	45,758	49,603
De Kalb	41,590	19,852	21,737	Talladega	117,658	103,309	14,349
Elmore	66,357	43,373	22,984	Tallapoosa	143,155	99,689	43,466
Escambia	113,817	100,287	13,530	Tuscaloosa	119,132	77,617	41,515
Etowah	20,886	14,424	6,462	Walker	227,930	188,059	39,870
Fayette	116,765	95,073	21,691	Washington	169,348	93,068	76,280
Franklin	118,672	52,402	66,270	Wilcox	185,065	79,177	105,887
Geneva	19,957	15,446	4,510	Winston	147,422	105,945	41,477
Greene	93,101	40,552	52,548				
Hale	56,906	23,050	33,855				
Henry	92,466	62,829	29,636				
Houston	59,933	32,729	27,203				
Jackson	30,355	10,127	2,022	All Counties	6,943,468	4,243,951	2,699,517

¹Counties with no pulpwood production are omitted.

Table A-2--Round pulpwood production in Arkansas, 1984

County ¹	All species	Softwood	Hardwood	County ¹	All species	Softwood	Hardwood
-----Standard cords-----				-----Standard cords-----			
Arkansas	14	5	9	Lincoln	2,620	2,036	584
Ashley	100,637	58,234	42,403	Little River	74,500	41,206	33,294
Baxter	4,399	4,392	7	Logan	11,193	6,818	4,375
Bradley	33,013	20,709	12,304	Lonoke	205	4	201
Calhoun	65,999	40,474	25,525	Miller	70,811	39,655	31,156
Clark	34,319	24,782	9,537	Montgomery	9,800	4,929	4,871
Cleburne	10,673	9,029	1,644	Nevada	86,019	49,853	36,166
Cleveland	27,988	20,579	7,409	Newton	126	89	37
Columbia	131,574	99,337	32,237	Ouachita	82,969	57,645	25,324
Conway	11,682	6,750	4,932	Perry	9,615	3,915	5,700
Cross	3	3	0	Phillips	15	0	15
Dallas	70,834	35,655	35,179	Pike	9,875	5,329	4,546
Desha	9,128	2	9,126	Polk	28,342	10,355	17,987
Drew	87,880	27,376	60,504	Pope	10,069	5,619	4,450
Faulkner	255	101	154	Prairie	1,012	939	73
Franklin	4,776	3,634	1,142	Pulaski	7,705	2,344	5,361
Fulton	2,406	2,406	0	Saline	76,504	50,597	25,907
Garland	402	177	225	Scott	16,607	10,149	6,458
Grant	53,459	37,387	16,072	Searcy	22	8	14
Hempstead	42,482	26,004	16,478	Sevier	21,287	7,463	13,824
Hot Spring	32,140	27,273	4,867	Stone	619	615	4
Howard	12,500	4,778	7,722	Union	176,984	111,659	65,324
Independence	2,293	2,005	288	Van Buren	20,536	11,174	9,362
Izard	4,271	4,271	0	White	4,843	4,693	150
Jefferson	42,259	25,899	16,360	Yell	11,202	6,078	5,124
Johnson	6,314	3,631	2,683	All Counties	1,578,389	949,936	628,452
Lafayette	52,849	31,516	21,333				
Lee	354	354	0				

¹Counties with no pulpwood production are omitted.

Table A-3--Round pulpwood production in Florida, 1984

County ¹	All species	Softwood	Hardwood	County ¹	All species	Softwood	Hardwood
-----Standard cords-----				-----Standard cords-----			
Alachua	66,314	65,164	1,150	Lake	15,580	15,580	0
Baker	56,744	56,685	59	Leon	38,631	38,631	53
Bay	89,377	88,286	1,091	Levy	120,664	90,577	30,087
Bradford	30,193	30,101	92	Liberty	92,105	81,926	10,179
Brevard	665	142	523	Madison	74,549	51,320	23,229
Calhoun	148,353	142,614	5,739	Manatee	3,291	3,291	0
Charlotte	9,482	9,482	0	Marion	111,877	110,727	1,150
Citrus	5,227	5,227	0	Nassau	125,325	109,222	16,103
Clay	55,783	50,582	5,201	Okaloosa	31,792	29,893	1,899
Columbia	70,538	69,414	1,124	Okeechobee	3,443	3,443	0
De Soto	2,647	2,647	0	Orange	5,585	5,585	0
Dixie	76,681	38,731	37,950	Osceola	2,700	2,700	0
Duval	40,249	38,046	2,203	Pasco	24,310	24,310	0
Escambia	59,195	56,242	2,953	Polk	15,749	15,749	0
Flagler	40,374	40,348	26	Putnam	121,253	115,503	5,750
Franklin	57,513	57,513	0	St. Johns	115,784	112,285	3,499
Gadsden	55,778	44,031	11,747	Santa Rosa	88,923	87,703	1,220
Gilchrist	31,841	31,841	0	Seminole	1,849	1,040	809
Gulf	52,662	51,644	1,018	Sumter	4,576	4,576	0
Hamilton	54,919	52,893	2,026	Suwannee	107,569	107,400	169
Hardee	750	750	0	Taylor	355,899	325,999	29,900
Hendry	5,556	5,556	0	Union	28,924	28,924	0
Hernando	222	222	0	Volusia	93,214	89,032	4,182
Highlands	1,074	1,074	0	Wakulla	53,508	53,508	0
Hillsborough	800	800	0	Walton	82,781	76,143	6,638
Holmes	44,880	33,933	10,947	Washington	65,120	53,073	12,047
Jackson	125,342	91,894	33,448				
Jefferson	60,919	59,937	982				
Lafayette	70,875	70,602	273	All Counties	3,100,007	2,834,541	265,466

¹Counties with no pulpwood production are omitted.

Table A-4--Round pulpwood production in Georgia, 1984

County ¹	All species	Softwood	Hardwood	County ¹	All species	Softwood	Hardwood
-----Standard cords-----				-----Standard cords-----			
Appling	132,836	126,885	5,951	Early	45,003	33,517	11,486
Atkinson	92,834	91,308	1,526	Echols	21,427	20,940	487
Bacon	99,059	97,249	1,810	Effingham	54,972	45,106	9,866
Baker	16,897	15,845	1,052	Elbert	13,828	12,277	1,551
Baldwin	47,077	31,750	15,327	Emanuel	57,103	45,249	11,854
Banks	5,519	5,519	0	Evans	74,121	60,696	13,425
Barrow	2,227	2,140	87	Fannin	9,130	9,130	0
Bartow	58,533	55,560	2,973	Fayette	28,697	27,513	1,184
Ben Hill	68,580	51,628	16,952	Floyd	95,174	86,720	8,454
Berrien	35,954	35,892	62	Forsyth	11,824	11,634	190
Bibb	11,224	11,224	0	Franklin	10,969	8,901	2,068
Bleckley	927	295	632	Fulton	8,258	8,083	175
Brantley	97,373	92,479	4,894	Gilmer	6,187	5,965	222
Brooks	17,375	17,089	286	Glascock	17,994	12,086	5,908
Bryan	64,373	53,059	11,314	Glynn	130,663	107,068	23,595
Bulloch	79,672	71,427	8,245	Gordon	55,020	52,674	2,346
Burke	61,551	34,140	27,411	Grady	21,104	19,876	1,228
Butts	18,807	18,324	483	Greene	22,969	21,361	1,608
Calhoun	31,952	29,595	2,357	Gwinnett	28,187	26,335	1,852
Camden	161,649	134,003	27,646	Habersham	2,962	2,962	0
Candler	18,141	14,050	4,091	Hall	13,827	13,461	457
Carroll	85,960	78,687	7,273	Hancock	49,073	42,348	6,725
Catoosa	7,340	7,217	123	Haralson	36,179	31,336	4,843
Charlton	122,360	111,249	11,111	Harris	65,536	58,891	6,645
Chatham	84,538	65,814	18,724	Hart	3,421	3,273	148
Chattahoochee	4,932	4,050	882	Heard	48,617	46,212	2,405
Chattooga	74,126	35,875	38,251	Henry	51,430	47,622	3,808
Cherokee	41,796	39,333	2,463	Houston	22,859	22,715	144
Clarke	6,479	6,479	0	Irwin	800	484	316
Clay	24,580	18,659	5,921	Jackson	24,235	22,548	1,687
Clayton	40	40	0	Jasper	32,137	31,953	184
Clinch	163,463	157,945	5,518	Jeff Davis	43,575	41,298	2,277
Cobb	22,856	22,781	75	Jefferson	38,931	24,147	14,784
Coffee	109,464	99,499	9,965	Jenkins	28,164	26,167	1,997
Colquitt	52,631	51,800	831	Johnson	6,266	5,071	1,195
Columbia	24,352	15,302	9,050	Jones	49,239	42,209	7,030
Cook	13,085	12,685	400	Lamar	29,144	28,830	314
Coweta	60,793	56,832	3,961	Lanier	18,217	17,512	705
Crawford	86,461	78,409	8,052	Laurens	04,792	59,353	45,439
Crisp	35,773	35,529	244	Lee	11,059	9,726	1,333
Dade	1,400	1,400	0	Liberty	62,158	47,129	15,029
Dawson	9,172	8,792	380	Lincoln	60,707	22,508	38,199
Decatur	59,616	43,651	15,965	Long	96,574	81,233	15,341
De Kalb	2,203	2,203	0	Lowndes	40,736	38,179	2,557
Dodge	100,064	85,043	15,021	Lumpkin	2,146	2,066	80
Dooly	20,941	20,054	887				
Dougherty	18,713	15,480	3,233				
Douglas	34,130	34,097	33				

Table A-4--Round pulpwood production in Georgia, 1984 (Continued)

County ¹	All species	Softwood	Hardwood	County ¹	All species	Softwood	Hardwood
-----Standard cords-----				-----Standard cords-----			
McDuffie	7,359	7,359	0	Spalding	11,804	11,711	93
McIntosh	62,466	56,662	5,804	Stephens	9,501	4,500	5,001
Macon	34,880	34,880	0	Stewart	80,827	70,254	10,573
Madison	5,798	5,798	0	Sumter	48,675	47,454	1,221
Marion	36,051	29,988	6,063	Talbot	63,521	51,094	12,427
Meriwether	74,965	61,686	13,279	Taliaferro	12,931	12,931	0
Miller	28,678	17,872	10,806	Tattnall	101,709	88,619	13,090
Mitchell	47,084	45,275	1,809	Taylor	24,339	21,478	2,861
Monroe	60,446	58,752	1,694	Telfair	56,715	47,032	9,683
Montgomery	19,202	16,868	2,334	Terrell	25,206	24,365	841
Morgan	6,894	6,280	614	Thomas	75,447	65,942	9,505
Murray	27,540	26,537	1,003	Tift	14,839	14,491	348
Muscogee	2,561	2,506	55	Toombs	32,891	28,779	4,112
Newton	3,378	3,378	0	Towns	1,245	1,245	0
Oconee	23,602	14,815	8,787	Treutlen	10,628	7,767	2,861
Oglethorpe	72,576	58,622	13,954	Troup	117,310	101,532	15,778
Paulding	18,826	17,326	1,500	Turner	8,932	8,826	106
Peach	2,742	2,742	0	Twiggs	17,413	14,915	2,498
Pickens	28,898	28,313	585	Union	7,677	7,677	0
Pierce	43,910	38,787	5,123	Upson	26,981	26,071	910
Pike	31,485	23,311	8,174	Walker	30,846	28,900	1,946
Polk	29,023	24,347	4,676	Walton	2,018	2,018	0
Pulaski	20,213	19,658	555	Ware	111,142	106,201	4,941
Putnam	14,195	10,630	3,565	Warren	41,407	31,379	10,028
Quitman	39,244	29,690	9,554	Washington	80,516	62,404	18,112
Rabun	2,595	790	1,805	Wayne	149,817	139,340	10,477
Randolph	66,089	56,702	9,387	Webster	41,017	32,377	8,640
Richmond	11,138	6,137	5,001	Wheeler	33,146	27,561	5,585
Rockdale	37	37	0	White	568	568	0
Schley	28,412	22,189	6,223	Whitfield	41,658	41,336	322
Screven	44,899	26,968	17,931	Wilcox	26,339	22,006	4,333
Seminole	4,151	4,140	11	Wilkes	73,470	32,131	41,339
				Wilkinson	46,804	31,355	15,449
				Worth	62,581	60,171	2,680
				All Counties	6,434,870	5,516,215	918,655

¹Counties with no pulpwood production are omitted.

Table A-5--Round pulpwood production in Louisiana, 1984

Parish ¹	All species	Softwood	Hardwood	Parish ¹	All species	Softwood	Hardwood
-----Standard cords-----				-----Standard cords-----			
Acadia	1,436	1,319	117	Madison	102,848	35	102,813
Allen	119,665	91,263	28,401	Morehouse	33,332	19,899	13,433
Ascension	4,413	1,158	3,255	Natchitoches	181,601	123,199	58,401
Avoyelles	23,742	837	22,905	Ouachita	84,556	52,865	31,690
Beauregard	280,749	268,957	11,792	Pointe Coupee	2,255	0	2,255
Bienville	279,630	228,163	51,467	Rapides	134,670	117,125	17,545
Bossier	74,712	56,199	18,512	Red River	49,017	31,116	17,901
Caddo	55,544	37,049	18,495	Richland	647	115	532
Calcasieu	58,287	55,848	2,439	Sabine	230,110	151,114	78,995
Caldwell	100,814	39,214	61,600	St. Charles	166	0	166
Cameron	6	6	0	St. Helena	47,296	31,869	15,427
Catahoula	37,328	19,098	18,230	St. James	209	0	209
Claiborne	141,422	116,518	24,904	St. John the Baptist	66	0	66
Concordia	23,696	56	23,640	St. Landry	693	61	632
De Soto	137,084	88,333	48,751	St. Martin	2,117	0	2,117
East Baton Rouge	7,134	3,269	3,865	St. Tammany	32,194	30,595	1,598
East Carroll	4,728	0	4,728	Tangipahoa	43,309	31,496	11,813
East Feliciana	24,539	16,412	8,127	Tensas	24,643	82	24,561
Evangeline	21,834	18,563	3,270	Union	212,710	108,244	104,466
Franklin	5,476	1,377	4,099	Vermilion	13	13	0
Grant	73,986	52,734	21,252	Vernon	260,696	225,233	35,463
Iberia	20	0	20	Washington	99,351	82,213	17,137
Iberville	7,340	35	7,305	Webster	70,561	49,445	21,115
Jackson	130,801	111,376	19,425	West Baton Rouge	1,000	142	858
Jefferson	18	8	10	West Carroll	681	23	658
Jefferson Davis	11,370	10,920	450	West Feliciana	9,779	3,653	6,126
Lafayette	5,173	3,064	2,109	Winn	187,410	126,738	60,671
La Salle	120,447	103,865	16,581				
Lincoln	134,389	106,798	27,591				
Livingston	35,289	25,838	9,451				
				All Parishes	3,733,020	2,643,568	1,089,451

¹Parishes with no pulpwood production are omitted.

Table A-6--Round pulpwood production in Mississippi, 1984

County ¹	All species	Softwood	Hardwood	County ¹	All species	Softwood	Hardwood
-----Standard cords-----				-----Standard cords-----			
Adams	42,081	2,960	39,121	Leflore	390	100	290
Alcorn	36,097	27,151	8,945	Lincoln	73,268	51,110	22,157
Amite	75,616	49,100	26,516	Lowndes	8,196	7,056	1,140
Attala	131,801	86,534	45,266				
				Madison	19,473	10,096	9,377
Benton	9,531	7,363	2,167	Marion	45,507	29,751	15,756
Bolivar	6,920	37	6,882	Marshall	4,663	4,660	3
				Monroe	32,219	28,922	3,297
Calhoun	24,605	20,952	3,652	Montgomery	45,816	27,340	18,475
Carroll	39,134	22,082	17,052				
Chickasaw	31,104	28,792	2,311	Neshoba	87,365	38,266	49,099
Choctaw	50,963	33,982	16,981	Newton	99,214	51,681	47,532
Claiborne	68,664	21,750	46,914				
Clarke	184,030	79,514	104,515	Pearl River	107,993	102,117	5,876
Clay	30,372	22,987	7,384	Perry	109,104	86,656	22,448
Copiah	131,895	57,354	74,540	Pike	77,046	50,459	26,586
Covington	79,335	37,813	41,521	Pontotoc	23,019	15,125	7,893
				Prentiss	41,294	28,613	12,681
De Soto	984	973	11				
Forrest	41,865	26,954	14,910	Quitman	118	19	99
Franklin	83,520	33,462	50,057				
				Rankin	97,469	58,212	39,257
George	48,376	33,223	15,153				
Greene	184,365	89,795	94,570	Scott	62,663	43,855	18,808
Grenada	26,038	18,675	7,363	Sharkey	7,297	0	7,297
				Simpson	61,092	27,723	33,369
Hancock	35,628	33,072	2,556	Smith	71,579	29,842	41,736
Harrison	34,477	32,113	2,363	Stone	57,247	44,891	12,355
Hinds	32,684	9,885	22,799	Sunflower	26	15	11
Holmes	79,123	45,583	33,539				
Humphreys	137	3	134	Tallahatchie	2,677	1,656	1,021
				Tate	358	322	36
Issaquena	5,731	12	5,719	Tippah	38,504	27,729	10,775
Itawamba	79,535	61,477	18,058	Tishomingo	82,232	56,492	25,739
				Tunica	4,584	1,028	3,556
Jackson	50,524	45,324	5,200				
Jasper	123,326	51,007	72,319	Union	19,475	17,281	2,194
Jefferson	89,675	25,698	63,976				
Jefferson Davis	45,477	26,053	19,424	Walthall	25,029	16,628	8,400
Jones	89,273	46,102	43,171	Warren	19,470	967	18,503
				Washington	1,949	451	1,498
Kemper	106,783	62,406	44,377	Wayne	117,275	49,829	67,445
				Webster	32,643	21,934	10,708
Lafayette	14,970	14,841	129	Wilkinson	44,260	14,707	29,553
Lamar	47,903	41,410	6,493	Winston	49,714	34,024	15,690
Lauderdale	147,254	69,182	78,072				
Lawrence	78,670	49,238	29,432	Yalobusha	20,941	15,170	5,771
Leake	104,153	66,099	38,054	Yazoo	9,689	3,108	6,581
Lee	19,266	11,666	7,600				
				All Counties	4,239,584	2,475,609	1,763,974

¹Counties with no pulpwood production are omitted.

Table A-7--Round pulpwood production in North Carolina, 1984

County ¹	All species	Softwood	Hardwood	County ¹	All species	Softwood	Hardwood
-----Standard cords-----				-----Standard cords-----			
Alamance	11,023	9,108	1,915	Lee	26,897	19,472	7,425
Alexander	11,104	10,167	937	Lenoir	26,320	17,257	9,063
Alleghany	21	0	21	Lincoln	9,404	9,195	209
Anson	105,398	63,053	42,345	McDowell	14,673	5,446	9,227
Ashe	24	0	24	Macon	939	0	939
Avery	18	0	18	Madison	4,468	2,819	1,649
Beaufort	156,578	111,951	44,627	Martin	57,629	38,098	19,531
Bertie	156,703	63,361	93,342	Mecklenburg	6,594	6,553	41
Bladen	149,732	62,775	86,957	Mitchell	4,067	7	4,060
Brunswick	128,397	107,055	21,342	Montgomery	41,151	14,064	27,087
Buncombe	2,236	319	1,917	Moore	44,306	21,614	22,692
Burke	25,770	13,786	11,984	Nash	39,192	16,197	22,995
Cabarrus	7,997	7,936	61	New Hanover	8,253	7,447	806
Caldwell	14,835	6,448	8,387	Northampton	46,360	14,990	31,370
Camden	10,957	1,822	9,135	Onslow	44,488	31,203	13,285
Carteret	25,805	22,559	3,246	Orange	7,485	2,060	5,425
Caswell	8,206	1,488	6,718	Pamlico	43,843	30,324	13,519
Catawba	4,963	4,461	502	Pasquotank	3,669	1,535	2,134
Chatham	40,909	23,539	17,370	Pender	105,917	69,380	36,537
Cherokee	36,894	27,958	8,936	Perquimans	25,168	12,375	12,793
Chowan	25,277	8,352	16,925	Person	9,764	1,668	8,096
Clay	4,376	3,942	434	Pitt	46,320	19,052	27,268
Cleveland	34,192	30,856	3,336	Polk	33,429	18,120	15,309
Columbus	124,496	71,453	53,043	Randolph	5,094	2,953	2,141
Craven	267,124	197,156	69,968	Richmond	42,538	21,894	20,644
Cumberland	48,755	23,703	25,052	Robeson	67,097	46,416	20,681
Currituck	6,693	1,693	5,000	Rockingham	21,983	13,757	8,226
Dare	15,177	7,185	7,992	Rowan	10,245	8,731	1,514
Davidson	10,319	6,207	4,112	Rutherford	50,844	36,632	14,212
Davie	1,755	1,113	642	Sampson	71,591	44,034	27,557
Duplin	111,362	70,882	40,480	Scotland	17,516	13,783	3,733
Durham	31,465	10,660	20,805	Stanly	2,114	1,696	418
Edgecombe	48,995	19,466	29,529	Stokes	3,550	1,634	1,916
Forsyth	1,254	316	938	Surry	6,517	2,734	3,783
Franklin	59,328	37,429	21,899	Swain	10,318	5,420	4,898
Gaston	6,942	6,756	186	Transylvania	4,212	2,187	2,025
Gates	87,812	37,484	50,328	Tyrrell	4,940	3,794	1,146
Graham	1,644	343	1,301	Union	9,996	9,877	119
Granville	26,510	15,918	10,592	Vance	17,526	7,367	10,159
Greene	11,985	2,686	9,299	Wake	72,979	41,679	31,300
Guilford	4,012	1,079	2,933	Warren	62,598	50,749	11,849
Halifax	79,844	43,608	36,236	Washington	47,186	25,235	21,951
Harnett	9,845	5,303	4,542	Wayne	7,568	4,916	2,652
Haywood	7,081	2,850	4,231	Wilkes	10,362	3,564	6,798
Henderson	4,845	579	4,266	Wilson	47,205	14,387	32,818
Hertford	48,696	31,385	17,311	Yadkin	1,228	318	910
Hoke	17,991	15,646	2,345	Yancey	1,331	61	1,270
Hyde	35,911	12,537	23,374	All Counties	3,394,340	2,005,061	1,389,279
Iredell	9,081	8,207	874				
Jackson	2,615	117	2,498				
Johnston	29,115	9,013	20,102				
Jones	75,399	60,657	14,742				

¹Counties with no pulpwood production are omitted.

Table A-8--Round pulpwood production in Oklahoma, 1984

County ¹	All species	Softwood	Hardwood
-----Standard cords-----			
Choctaw	8,500	3,060	5,440
Haskell	933	933	0
Latimer	10,947	5,636	5,311
Le Flore	25,205	14,834	10,371
McCurtain	39,374	28,599	10,775
Pushmataha	40,421	20,505	19,916
All counties	125,380	73,567	51,813

¹Counties with no pulpwood production are omitted.

Table A-9--Round pulpwood production in South Carolina, 1984

County ¹	All species	Softwood	Hardwood	County ¹	All species	Softwood	Hardwood
-----Standard cords-----				-----Standard cords-----			
Abbeville	39,959	29,351	10,608	Jasper	91,991	67,641	24,350
Aiken	42,631	24,614	18,017	Kershaw	195,256	151,270	43,986
Allendale	50,517	26,320	24,197	Lancaster	81,305	66,950	14,355
Anderson	47,917	40,405	7,512	Laurens	56,026	45,673	10,353
Bamberg	18,099	7,480	10,619	Lee	10,186	8,018	2,168
Barnwell	15,906	9,126	6,780	Lexington	77,810	71,400	6,410
Beaufort	27,312	21,615	5,697	McCormick	57,466	48,110	9,356
Berkeley	134,247	111,010	23,237	Marion	38,665	14,050	24,615
Calhoun	3,868	1,595	2,273	Marlboro	43,308	26,314	16,994
Charleston	33,950	18,266	15,684	Newberry	93,364	63,254	30,110
Cherokee	34,490	30,182	4,308	Oconee	32,949	17,967	14,982
Chester	91,431	71,379	20,052	Orangeburg	142,319	67,494	74,825
Chesterfield	88,296	65,265	23,031	Pickens	34,066	20,393	13,673
Clarendon	23,124	13,366	9,758	Richland	64,037	54,615	9,422
Colleton	145,815	88,014	57,801	Saluda	61,788	25,035	36,753
Darlington	30,896	10,707	20,189	Spartanburg	74,246	60,868	13,378
Dillon	27,649	18,418	9,231	Sumter	29,955	20,375	9,580
Dorchester	162,665	75,395	87,270	Union	66,560	46,548	20,012
Edgefield	47,442	34,681	12,761	Williamsburg	115,176	72,412	42,764
Fairfield	152,280	116,560	35,720	York	76,357	72,580	3,777
Florence	37,944	26,556	11,388	All Counties	3,170,650	2,147,442	1,023,208
Georgetown	145,148	92,301	52,847				
Greenville	27,959	16,719	11,240				
Greenwood	100,276	46,153	54,123				
Hampton	94,658	58,869	35,789				
Horry	103,341	72,128	31,213				

¹Counties with no pulpwood production are omitted.

Table A-10--Round pulpwood production in Tennessee, 1984

County ¹	All species	Softwood	Hardwood	County ¹	All species	Softwood	Hardwood
-----Standard cords-----				-----Standard cords-----			
Anderson	9,987	9,950	37	Knox	5,887	5,887	0
Benton	19,508	6,731	12,776	Lawrence	39,722	23,373	16,349
Bledsoe	18,879	2,222	16,656	Lewis	6,689	2,979	3,710
Blount	14,758	10,781	3,976	Lincoln	598	598	0
Bradley	39,808	34,883	4,924	Loudon	1,479	1,479	0
Carroll	7,456	2,864	4,592	McMinn	34,896	28,541	6,355
Carter	4,912	0	4,912	McNairy	22,175	15,154	7,020
Chester	5,454	2,093	3,360	Madison	4,984	4,762	222
Claiborne	2,588	633	1,954	Marion	28,620	8,776	19,843
Clay	4,105	0	4,105	Maury	2,226	2,226	0
Cocke	8,726	1,846	6,879	Meigs	16,426	11,839	4,586
Coffee	11,697	3,923	7,774	Monroe	50,053	43,339	6,713
Cumberland	28,045	23,535	4,509	Morgan	14,679	9,091	5,587
Decatur	13,713	12,479	1,234	Overton	107	0	107
Dickson	887	887	0	Polk	26,257	22,410	3,847
Dyer	1,776	12	1,764	Rhea	35,098	28,129	6,969
Fayette	928	928	0	Roane	21,893	15,312	6,581
Fentress	20,359	17,191	3,167	Scott	19,019	13,486	5,533
Franklin	9,303	0	9,303	Sequatchie	6,026	5,324	702
Giles	14,454	11,705	2,749	Sevier	633	633	0
Grainger	3,064	1,288	1,776	Shelby	11	11	0
Greene	5,295	2,384	2,910	Stewart	9,023	4,024	4,998
Grundy	25,665	8,767	16,897	Sullivan	5,248	0	5,248
Hamblen	642	0	642	Unicoi	507	0	507
Hamilton	34,828	17,314	17,514	Van Buren	4,348	3,399	948
Hancock	7,075	845	6,229	Warren	30,246	17,535	12,710
Hardeman	4,306	1,669	2,637	Washington	1,909	5	1,904
Hardin	48,356	23,893	24,463	Wayne	82,561	20,152	62,409
Hawkins	7,037	0	7,037	Weakley	7,137	2,902	4,234
Haywood	348	282	66	Williamson	2,962	2,962	0
Henderson	17,937	17,898	39	Wilson	29	29	0
Henry	20,679	1,818	18,861	All Counties	999,962	530,486	469,476
Hickman	50,428	8,503	41,925				
Humphreys	42,512	1,250	41,262				
Jefferson	7,529	7,529	0				
Johnson	5,442	0	5,442				

¹Counties with no pulpwood production are omitted.

Table A-11--Round pulpwood production in Texas, 1984

County ¹	All species	Softwood	Hardwood	County ¹	All species	Softwood	Hardwood
-----Standard cords-----				-----Standard cords-----			
Anderson	10,349	3,004	7,345	Morris	36,958	25,618	11,340
Angelina	70,972	58,412	12,560	Nacogdoches	72,480	64,083	8,397
Bowie	52,109	32,724	19,385	Newton	203,755	127,474	76,280
Camp	29,904	19,768	10,136	Orange	24,418	15,098	9,320
Cass	193,716	124,817	68,899	Panola	98,662	65,559	33,102
Chambers	222	0	222	Polk	287,902	237,086	50,816
Cherokee	75,149	57,875	17,274	Red River	11,689	5,904	5,785
Franklin	5,431	5,063	368	Rusk	42,067	27,488	14,578
Gregg	5,284	3,723	1,561	Sabine	59,926	32,928	26,997
Grimes	4,826	720	4,106	San Augustine	50,030	19,285	30,745
Hardin	166,486	104,898	61,588	San Jacinto	88,827	77,423	11,404
Harris	1,738	57	1,681	Shelby	52,486	39,908	12,577
Harrison	102,105	85,135	16,970	Smith	34,216	27,029	7,187
Henderson	6,354	5,977	377	Titus	6,125	3,952	2,173
Hopkins	11	0	11	Trinity	180,926	177,590	3,336
Houston	41,786	21,055	20,731	Tyler	71,680	35,168	36,511
Jasper	141,932	93,984	47,948	Upshur	48,031	37,280	10,751
Jefferson	2,376	1,747	629	Walker	15,791	4,931	10,860
Leon	9	0	9	Wood	14,497	12,204	2,293
Liberty	25,463	13,651	11,812	All Counties	2,440,373	1,739,345	701,028
Marion	94,388	67,709	26,679				
Montgomery	9,285	3,005	6,280				

¹Counties with no pulpwood production are omitted.

Table A-12--Round pulpwood production in Virginia, 1984

County ¹	All species	Softwood	Hardwood	County ¹	All species	Softwood	Hardwood
-----Standard cords-----				-----Standard cords-----			
Accomack	14,912	14,621	291	Lancaster	7,503	6,401	1,102
Albemarle	88,729	34,999	53,730	Lee	16,578	0	16,578
Alleghany	90,039	17,267	72,772	Loudoun	375	360	15
Amelia	42,049	25,731	16,318	Louisa	32,463	19,307	13,156
Amherst	31,448	17,414	14,034	Lunenburg	28,860	19,134	9,726
Appomattox	65,046	41,020	24,026	Madison	4,742	2,349	2,393
Arlington	545	279	266	Mathews	8,038	3,925	4,113
Augusta	38,334	7,766	30,568	Mecklenburg	52,578	35,680	16,898
Bath	60,310	11,179	49,131	Middlesex	10,314	7,685	2,629
Bedford	65,224	28,594	36,630	Montgomery	35	15	20
Bland	2	2	0	Nelson	63,963	36,992	26,971
Botetourt	62,094	14,108	47,986	New Kent	31,390	17,644	13,746
Brunswick	100,918	67,447	33,471	Newport News	1,476	371	1,105
Buchanan	245	0	245	Northampton	9,491	4,314	5,177
Buckingham	183,213	83,086	100,127	Northumberland	2,360	1,946	414
Campbell	90,952	57,770	33,182	Nottoway	37,778	18,583	19,195
Caroline	48,581	40,139	8,442	Orange	12,625	6,597	6,028
Carroll	65	5	60	Page	26	0	26
Charles City	13,033	7,604	5,429	Patrick	2,661	1,544	1,117
Charlotte	94,897	49,418	45,479	Pittsylvania	118,352	73,788	44,564
Chesapeake	1,346	830	516	Powhatan	22,308	17,144	5,164
Chesterfield	8,780	7,868	912	Prince Edward	90,276	47,397	42,879
Clarke	7	0	7	Prince George	23,325	13,079	10,246
Craig	46,884	9,178	37,706	Prince William	10,652	7,835	2,817
Culpeper	6,751	4,872	1,879	Pulaski	4,018	1,303	2,715
Cumberland	62,832	30,691	32,141	Rappahannock	4	4	0
Dickenson	116	0	116	Richmond	12,470	10,569	1,901
Dinwiddie	33,959	20,118	13,841	Roanoke	2,942	297	2,645
Essex	21,862	10,734	11,128	Rockbridge	44,362	19,806	24,556
Fairfax	2,831	993	1,838	Rockingham	393	196	197
Fauquier	18,971	11,002	7,969	Russell	1,908	0	1,908
Floyd	384	16	368	Scott	20,278	0	20,278
Fluvanna	26,664	21,212	5,452	Shenandoah	3,801	1,381	2,420
Franklin	56,911	21,979	34,932	Smyth	5,594	0	5,594
Frederick	5,691	3,532	2,159	Southampton	55,774	21,808	33,966
Giles	83	83	0	Spotsylvania	20,892	17,486	3,406
Gloucester	15,647	13,717	1,930	Stafford	6,254	4,517	1,737
Goochland	25,774	21,231	4,543	Suffolk	11,279	3,831	7,448
Greene	776	518	258	Surry	17,830	11,296	6,534
Greensville	37,684	11,490	26,194	Sussex	56,181	30,637	25,544
Halifax	57,898	20,461	37,437	Virginia Beach	239	239	0
Hanover	20,417	18,319	2,098	Warren	45	45	0
Henrico	5,993	3,962	2,031	Washington	4,515	0	4,515
Henry	20,731	11,006	9,725	Westmoreland	6,229	5,027	1,202
Highland	8,036	2,248	5,788	Wise	14,285	0	14,285
Isle of Wight	20,256	7,043	13,213	York	2,279	1,871	408
James City	7,587	5,464	2,123	All Counties	2,550,077	1,293,253	1,256,824
King and Queen	35,421	25,898	9,523				
King George	3,796	3,779	17				
King William	25,612	14,147	11,455				

¹Counties with no pulpwood production are omitted.

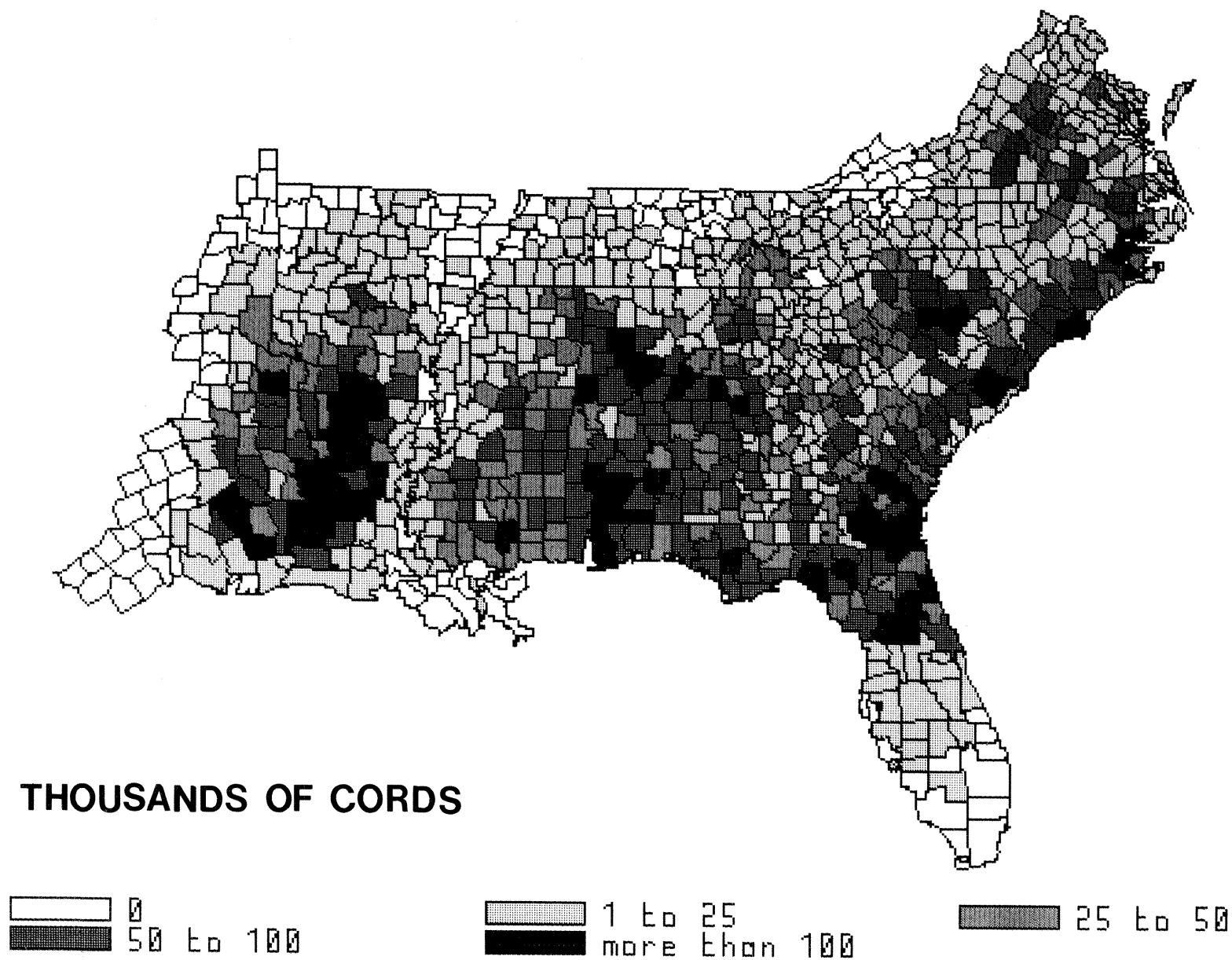


Figure A-1.--Softwood roundwood production by county, 1984.

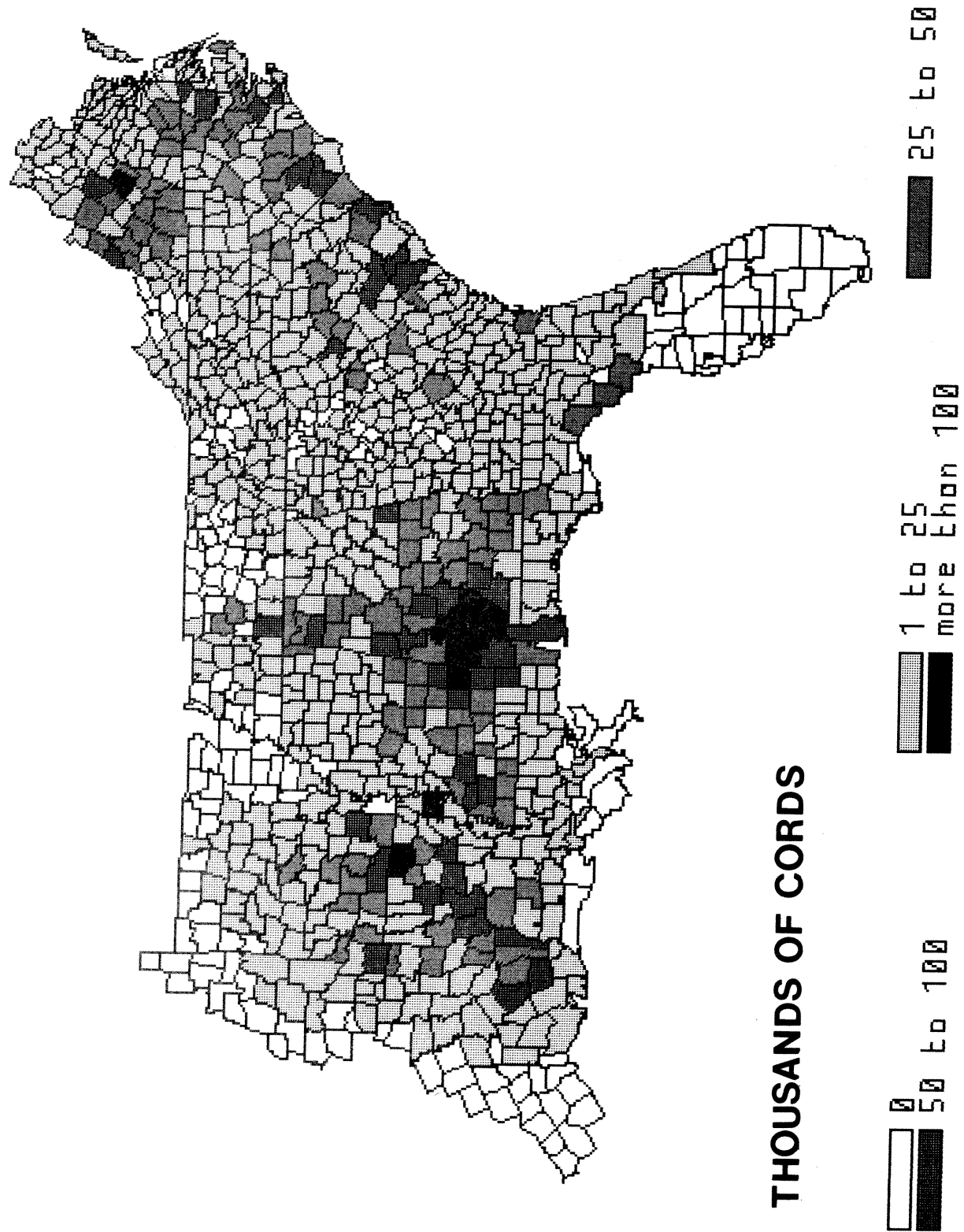


Figure A-2.--Hardwood roundwood production by county, 1984.

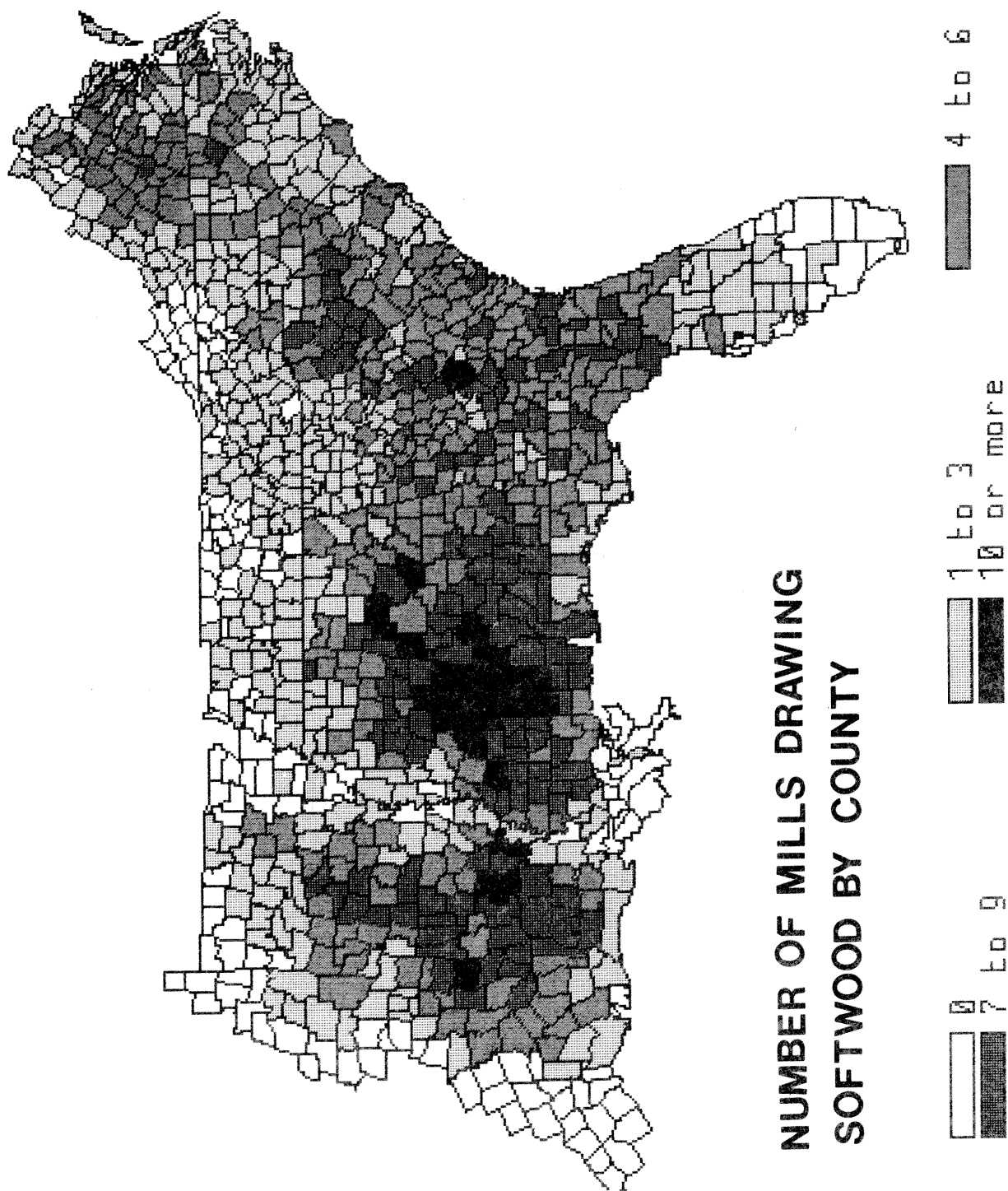


Figure A-3.--Competition among mills for softwood roundwood, 1984.

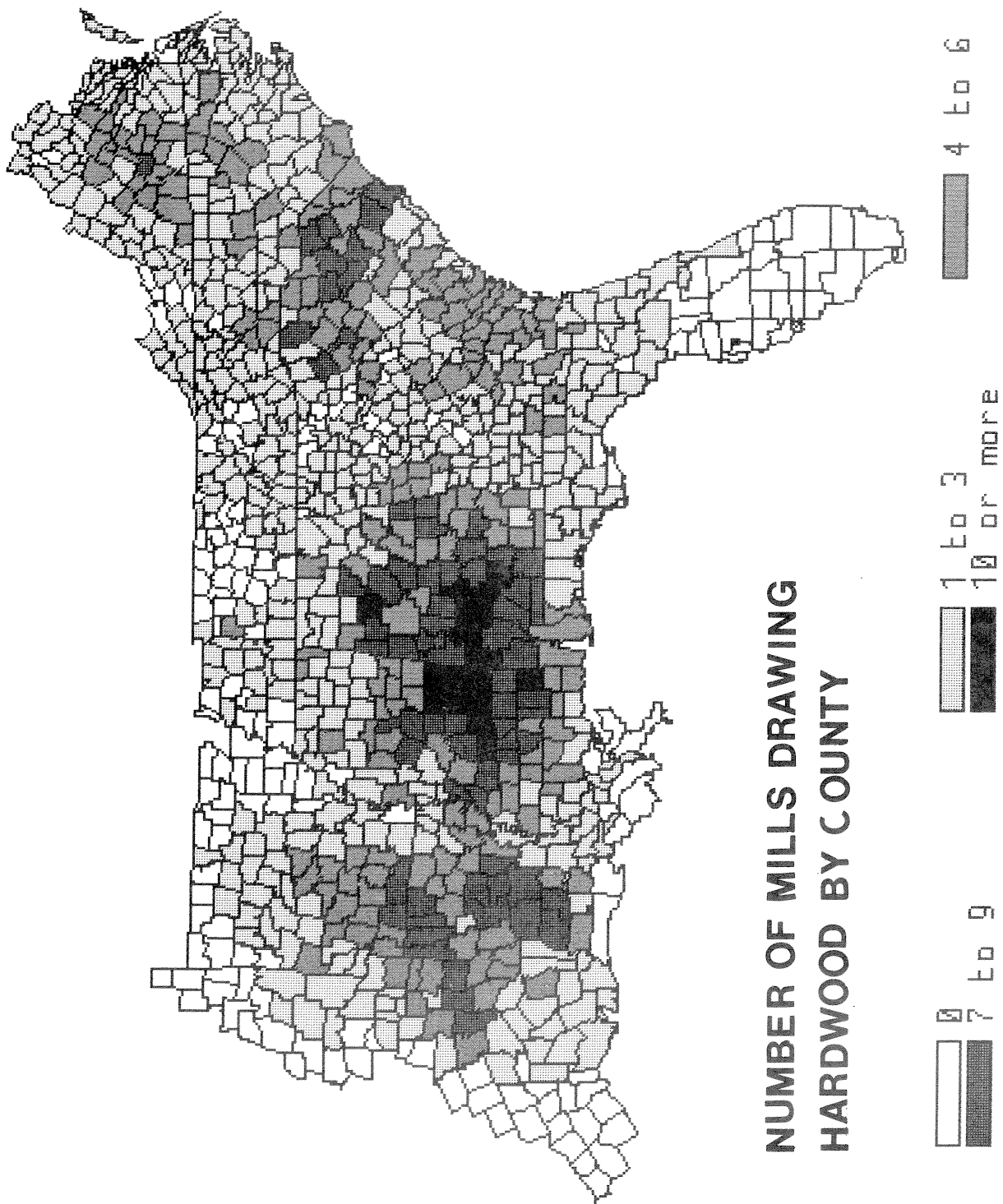


Figure A-4.--Competition among mills for hardwood roundwood, 1984.

May, Dennis M. Southern Pulpwood Production, 1984.
Resour. Bull. SO-111. New Orleans, LA: U.S. Department of
Agriculture, Forest Service, Southern Forest Experiment
Station, 1986. 25 p.

In 1984, Southern pulpwood production increased 4 percent to 58.7 million cords. Roundwood production increased 3 percent to 38.7 million cords, and wood residue production increased 6 percent to 20.0 million cords. Since 1974, softwood roundwood production has been relatively stable, while hardwood roundwood and wood residue production have been increasing. Pulping capacity of the 108 pulpmills operating in 1984 totaled 120,069 tons per day.

Additional keywords: pulpwood, roundwood, residues, pulp mills.