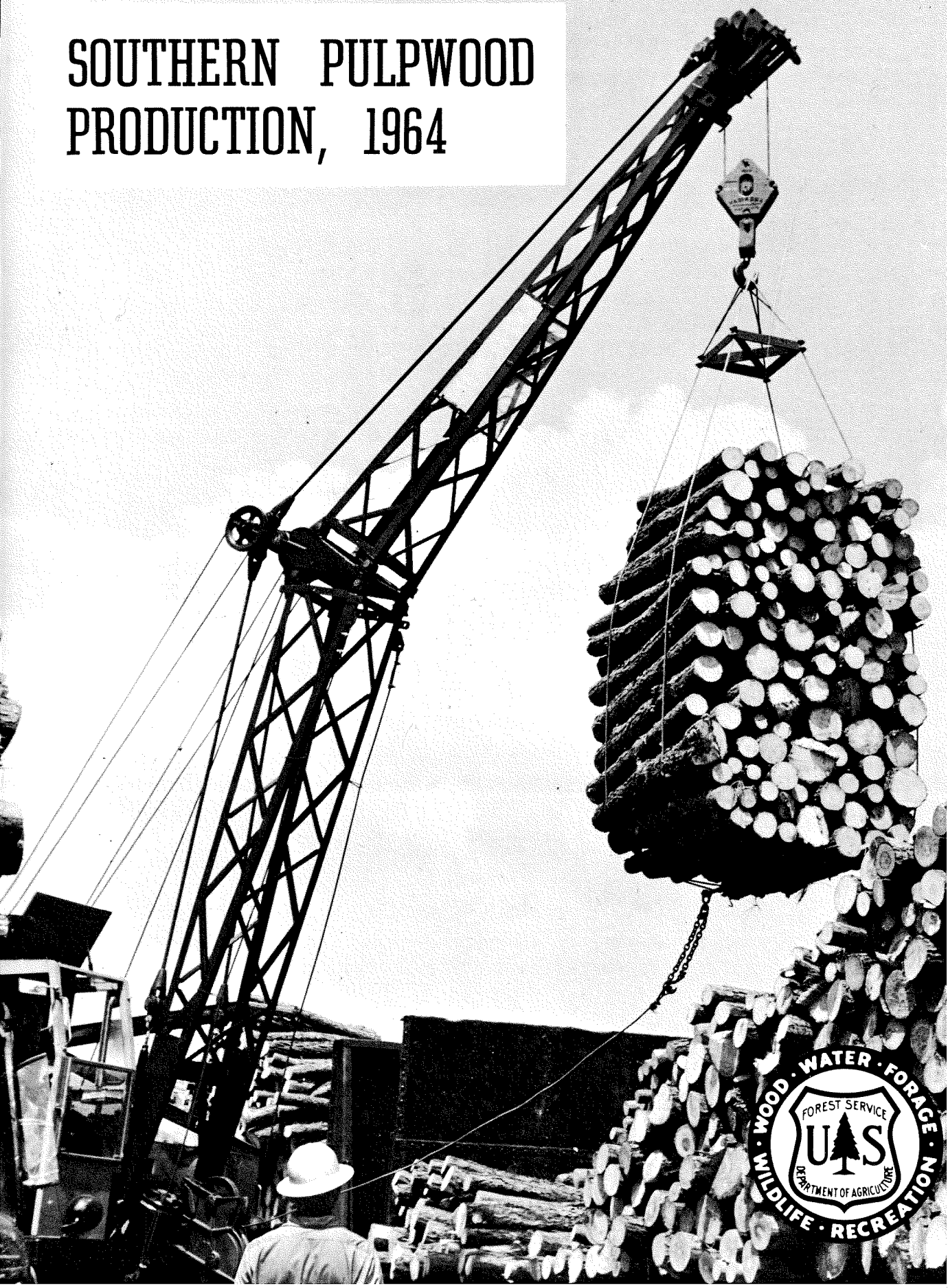


SOUTHERN PULPWOOD PRODUCTION, 1964



In this report:

	<i>Page</i>
SOUTHERN PULPWOOD PRODUCTION BY—	
—state	1,2
—species group	2
—county	4,5,9-19
—roundwood and residues	8
—territory	9
MAP OF SOUTHERN COUNTIES	3
PULP COMPANIES USING SOUTHERN WOOD	6,7
PULPMILLS USING SOUTHERN WOOD BY—	
—capacity and location	2,20,21,22
—process and location	2,20,21

SOUTHERN PULPWOOD PRODUCTION, 1964

Joe F. Christopher

SOUTHERN FOREST EXPERIMENT STATION
New Orleans, Louisiana

and

SOUTHEASTERN FOREST EXPERIMENT STATION
Asheville, North Carolina

of the

Forest Service, U. S. Department of Agriculture

in cooperation with

SOUTHERN PULPWOOD CONSERVATION ASSOCIATION
Atlanta, Georgia



SOUTHERN PULPWOOD OUTPUT rose to a new high of 28,825,800 cords in 1964—61 percent of the Nation's total. Gains in pine roundwood were highest of the past 7 years. At the year's end, the South had 82 pulpmills with a total daily capacity of some 56,000 tons. Eleven mills outside the region were using wood harvested in the South.

In 1964, for the sixth consecutive year, pulpwood production in the South established a new record. Gains in 11 of the 12 States raised the total 8 percent above that of 1963. The cordage increases were largest in Alabama and Georgia. These two States also led in volume harvested; together they accounted for more than a third of the 1964 total. All but three of the Southern States cut more than 2 million cords apiece. Tennessee was the only State showing a decline from the previous year.

Table 1. *Pulpwood production in the South during 1964, and change since 1963*

State	Round pulpwood and residues	Change
	Thousand cords	Percent
Alabama	4,155.4	+14
Arkansas	2,062.4	+11
Florida	2,745.3	+ 9
Georgia	5,842.9	+ 6
Louisiana	2,399.5	+ 7
Mississippi	2,157.7	+ 8
North Carolina	2,624.4	+ 8
Oklahoma	70.6	+ 9
South Carolina	2,629.6	+ 7
Tennessee	417.4	- 2
Texas	1,590.5	+10
Virginia	2,130.1	+ 7
All States	28,825.8	+ 8

Pulpwood delivered to mills in the form of chips amounted to 4,643,300 cords, or 16 percent of the total output. An additional 74,000 cords were made up of unchipped plant resi-

dues and sawdust; as in 1963, about 84 percent of the chips were pine. Although production was higher than in 1963, the rate of increase was less. Most of the chips were from sawmill residues, but pine plywood plants and roundwood chipping yards have become recent sources of supply and will probably develop rapidly.

Pulpwood bolts made up more than 24 million cords of the 1964 harvest. This was an 8-percent increase over 1963. All States except Tennessee and Oklahoma participated in the gain. The largest increase was in Alabama. Georgia was the biggest producer, with more than 5 million cords.

For the first time since 1955, Baldwin County, Alabama, failed to lead in bolt output. Union Parish, Louisiana, was high with 207,008 cords, Baldwin County being second with 199,968 cords. All together, 28 southern counties harvested more than 100,000 cords apiece—25 counties topped that amount in 1963.

Of the boltwood, pine comprised some 18.5 million cords, as compared to 17.1 million in 1963. This is the largest increase since 1956; gains were recorded in 10 of the 12 Southern States. The rapidly expanding roundwood harvest is supported by increasing pine inventories in many States, according to recent forest surveys.

Pulpwood cut from hardwood bolts rose to a new high of 5.6 million cords, or 23 percent of the region's roundwood output. This volume

Table 2. Round pulpwood production in the South, by State and species group, 1964

State	All species	Pine	Soft hardwoods				Hard hardwoods			Total hardwood
			Gums	Yellow-poplar, cottonwood, willow, magnolia, maple, basswood, and boxelder	Elm, hackberry, and sycamore	Total soft hardwoods	Oaks	Other hardwoods	Total hard hardwoods	
----- Thousand cords -----										
Alabama	3,463.4	2,644.8	430.1	102.3	49.1	581.5	185.1	52.0	237.1	818.6
Arkansas	1,497.3	1,041.7	92.6	33.6	.1	126.3	326.0	3.3	329.3	455.6
Florida	2,482.5	2,238.9	111.4	17.8	.8	130.0	99.9	13.7	113.6	243.6
Georgia	5,082.2	4,556.1	313.6	27.5	3.0	344.1	164.2	17.8	182.0	526.1
Louisiana	2,109.0	1,584.0	294.6	60.4	13.0	368.0	145.5	11.5	157.0	525.0
Mississippi	1,801.9	941.9	577.2	143.3	40.0	760.5	38.6	60.9	99.5	860.0
North Carolina	2,070.1	1,527.7	133.8	124.8	22.4	281.0	195.0	66.4	261.4	542.4
Oklahoma	23.6	3.9	3.1	9.2	4.2	16.5	3.2	(¹)	3.2	19.7
South Carolina	2,165.0	1,657.8	235.6	69.2	16.0	320.8	156.6	29.8	186.4	507.2
Tennessee	385.5	192.4	9.5	30.0	3.8	43.3	131.6	18.2	149.8	193.1
Texas	1,144.4	857.4	162.6	21.4	4.4	188.4	94.9	3.7	98.6	287.0
Virginia	1,883.8	1,273.6	32.3	81.7	7.6	121.6	369.2	119.4	488.6	610.2
All States	24,108.7	18,520.2	2,396.4	721.2	164.4	3,282.0	1,909.8	396.7	2,306.5	5,588.5

¹ Negligible.

was 7 percent above that of 1963, and set a new record for the fourteenth straight year. The hardwood cut ranged from 20,000 cords in Oklahoma to 860,000 cords in Mississippi. Nearly six-tenths came from soft-textured species, such as gum, yellow-poplar, and cottonwood. In 1963, these species made up almost 70 percent of the total. The increase in use of firm-textured hardwoods should stimulate hardwood forestry efforts by providing markets for timber not prospectively suitable for more exacting industrial products.

About half of the total hardwood bolts were delivered to mills that use only the sulfate process. Soft-textured hardwoods are favored for this and the groundwood process. Firm-textured hardwoods are most in demand at mills making semichemical pulp, but the proportion being taken at sulfate mills is steadily rising.

Establishment of two new mills, together with expansion of existing facilities, boosted

Table 3. Round hardwood receipts by pulping process, 1964

Mills	Pulping capacity, 24 hours	All hardwoods	Soft hardwoods	Hard hardwoods
	<i>Tons</i>	<i>Percent</i>		
Sulfate	29,110	49	52	46
Sulfate and semichemical	13,575	20	18	22
Sulfate and groundwood	6,161	10	11	8
Groundwood	2,804	7	10	2
Semichemical	2,155	11	7	17
Other	2,725	3	2	5
Total	56,530	100	100	100

the South's pulping capacity by 2,300 tons per day. At the end of 1964, two mills were under construction; together they will be capable of pulping 780 tons per day. Georgia continues to lead in pulping capacity, with 18 percent of the South's total. Florida ranks second and is followed by Louisiana, Alabama, and South Carolina.

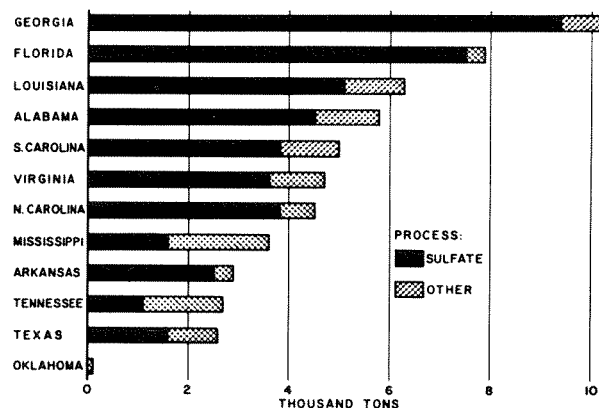
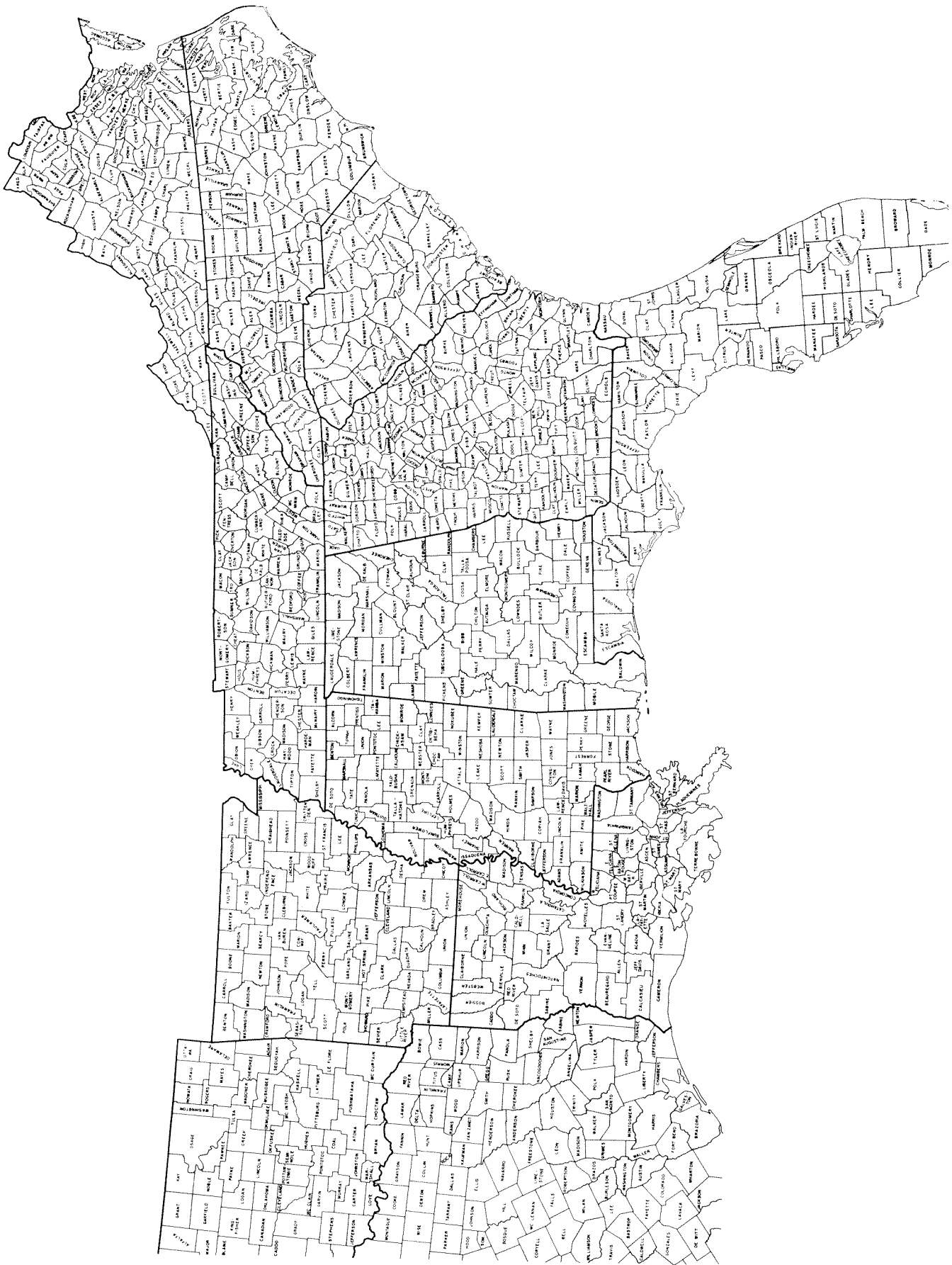
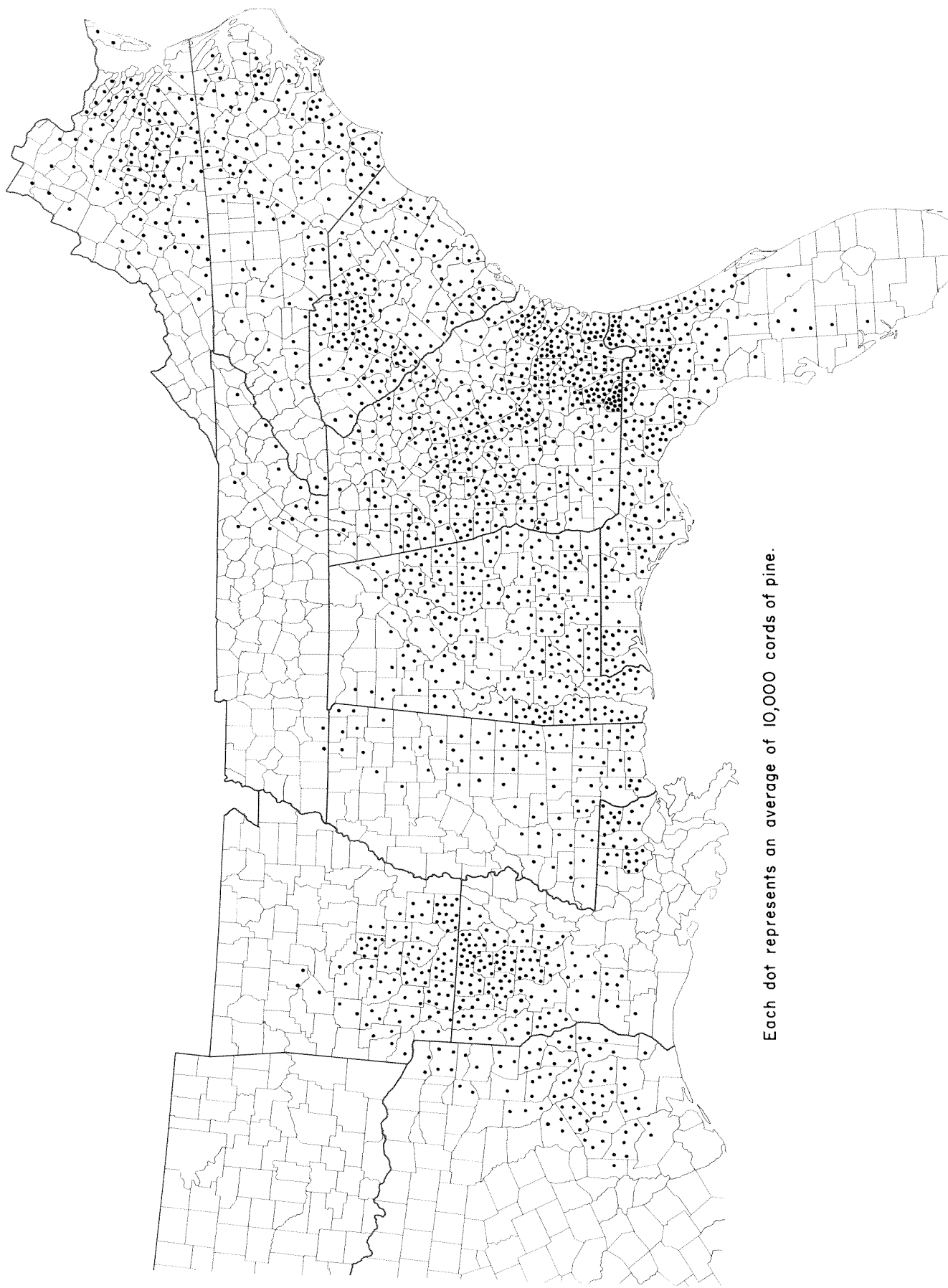


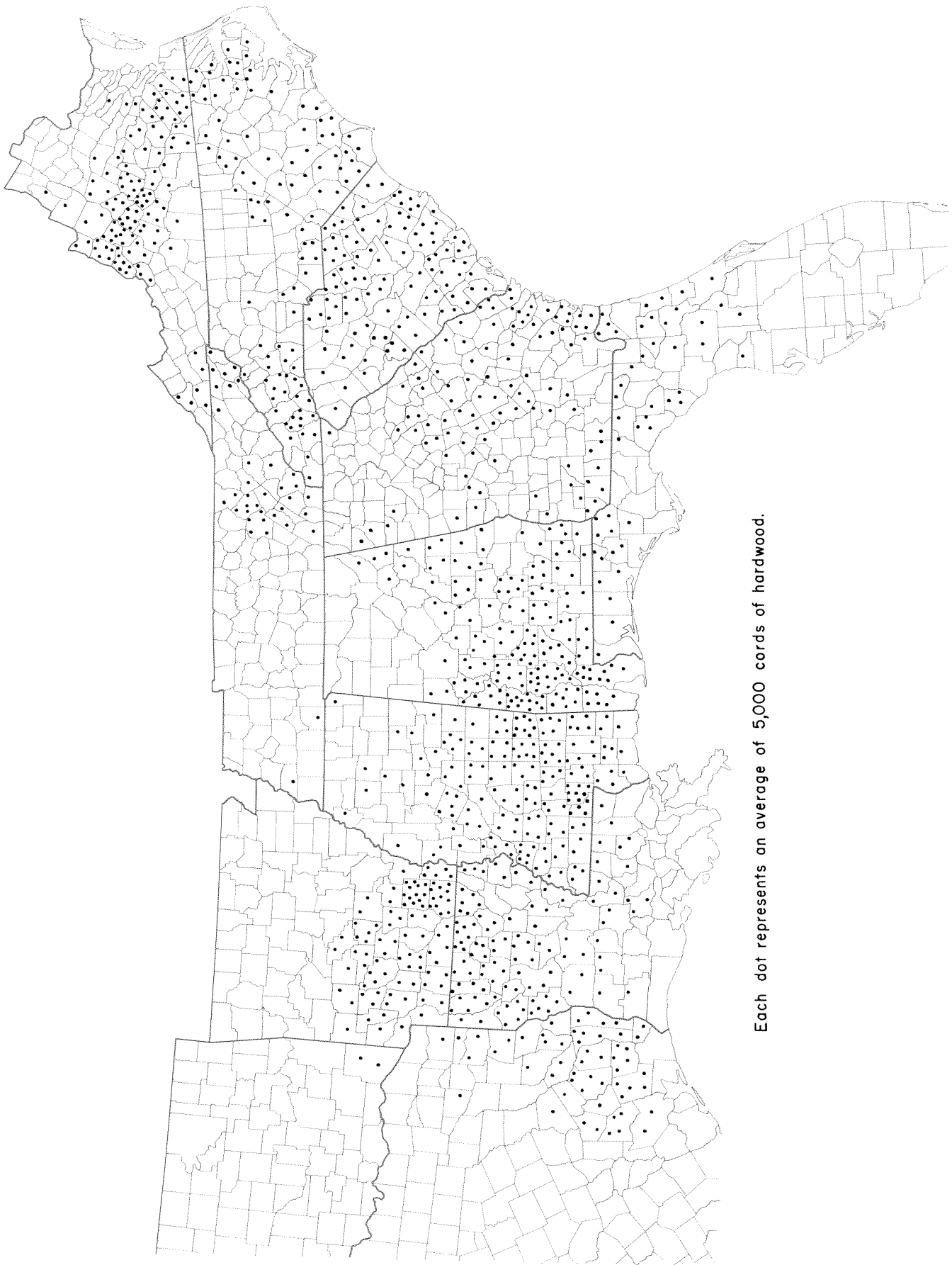
Figure 1. Pulping capacity by State, 1964.

The sulfate process is the mainstay of the industry, accounting for nearly four-fifths of the South's capabilities. In the past decade, it made up 76 percent of the industry's expansion; groundwood and other mechanical processes, 13 percent; semichemical, 11 percent. Further substantial increases in the sulfate process are assured by current mills under construction and planned.

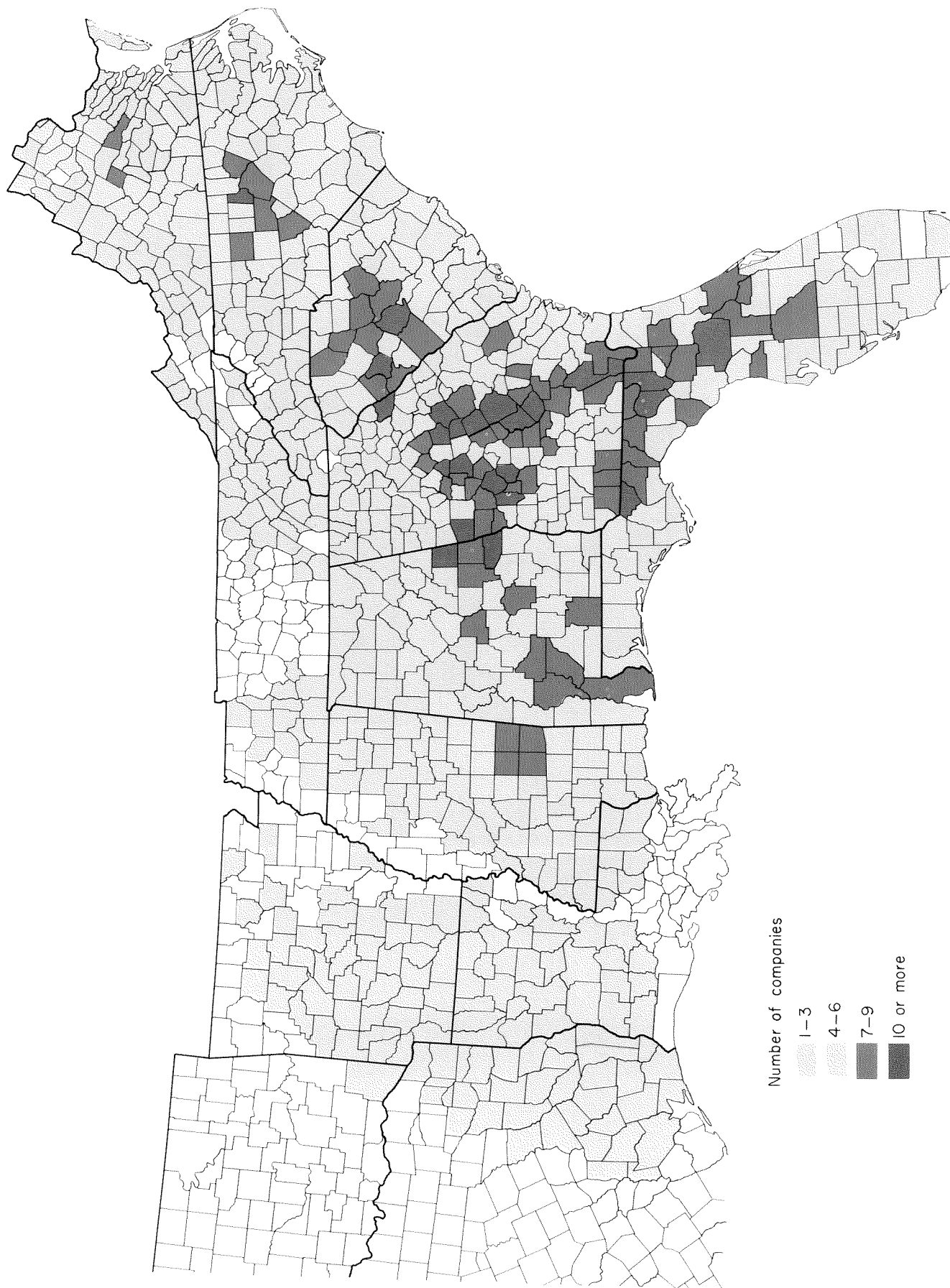




Each dot represents an average of 10,000 cords of pine.

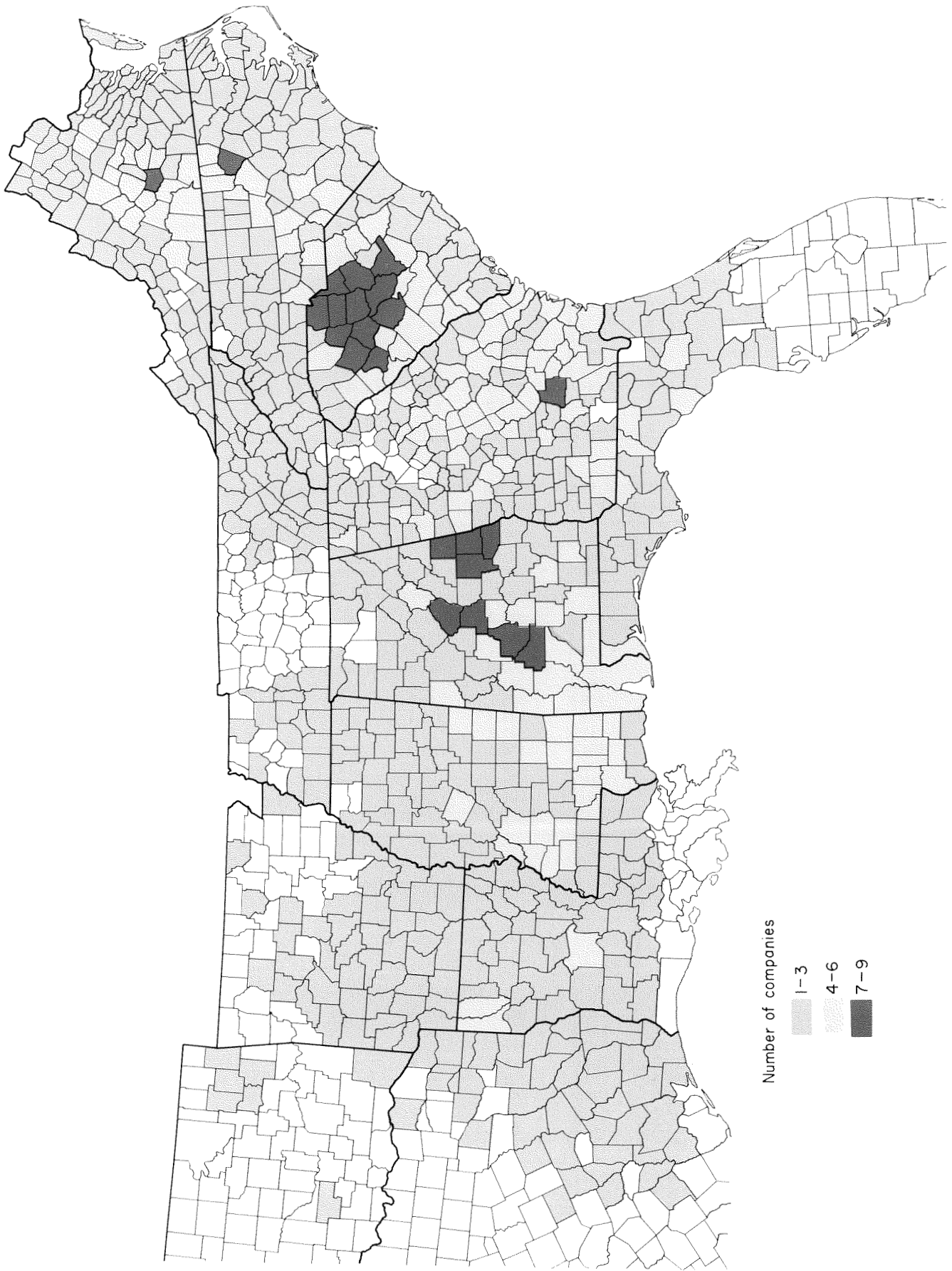


Each dot represents an average of 5,000 cords of hardwood.



Number of companies

1-3
4-6
7-9
10 or more



Number of companies

1-3
4-6
7-9

DETAILED TABLES

Table 4. Round pulpwood production in the South, by State and species group, 1964 and 1963

State	Change from 1963	1964			1963		
		All species	Pine	Hardwood	All species	Pine	Hardwood
----- Thousand cords -----							
Alabama	+ 15	3,463.4	2,644.8	818.6	3,014.1	2,325.1	689.0
Arkansas	+ 9	1,497.3	1,041.7	455.6	1,372.1	1,003.1	369.0
Florida	+ 8	2,482.5	2,238.9	243.6	2,289.0	2,121.6	167.4
Georgia	+ 6	5,082.2	4,556.1	526.1	4,800.7	4,269.8	530.9
Louisiana	+ 7	2,109.0	1,584.0	525.0	1,968.5	1,503.0	465.5
Mississippi	+ 6	1,801.9	941.9	860.0	1,706.2	683.2	1,023.0
North Carolina	+ 9	2,070.1	1,527.7	542.4	1,898.2	1,439.1	459.1
Oklahoma	- 6	23.6	3.9	19.7	25.2	6.5	18.7
South Carolina	+ 7	2,165.0	1,657.8	507.2	2,024.3	1,509.3	515.0
Tennessee	- 3	385.5	192.4	193.1	395.8	198.6	197.2
Texas	+ 8	1,144.4	857.4	287.0	1,063.0	820.3	242.7
Virginia	+ 6	1,883.8	1,273.6	610.2	1,772.0	1,235.5	536.5
All States	+ 8	24,108.7	18,520.2	5,588.5	22,329.1	17,115.1	5,214.0

Table 5. Southern output of wood residues chipped for pulp manufacture, by State and species group, 1964 and 1963

State	Change from 1963	1964			1963		
		All species	Pine	Hardwood	All species	Pine	Hardwood
----- Thousand cords -----							
Alabama	+ 9	692.0	536.3	155.7	635.7	477.4	158.3
Arkansas	+18	565.1	548.7	16.4	478.3	461.2	17.1
Florida	+10	262.8	217.5	45.3	238.9	194.9	44.0
Georgia	+ 6	760.7	652.9	107.8	719.7	621.8	97.9
Louisiana	+ 8	290.5	258.2	32.3	269.7	242.6	27.1
Mississippi	+24	355.8	273.8	82.0	287.0	214.1	72.9
North Carolina	+ 6	554.3	436.9	117.4	524.7	417.5	107.2
Oklahoma	+19	47.0	47.0	...	39.4	39.4	...
South Carolina	+ 6	464.6	375.7	88.9	438.9	344.7	94.2
Tennessee	+ 3	31.9	13.3	18.6	30.9	10.6	20.3
Texas	+17	446.1	404.0	42.1	380.6	352.2	28.4
Virginia	+13	246.3	181.5	64.8	218.1	165.2	52.9
All States	+11	4,717.1	3,945.8	771.3	4,261.9	3,541.6	720.3

Table 6. Southern output of wood residues chipped for pulp manufacture, by State and type of residue, 1964

State	All types	Chips			Other residues ¹		
		All species	Pine	Hardwood	All species	Pine	Hardwood
----- Thousand cords -----							
Alabama	692.0	680.2	531.3	148.9	11.8	5.0	6.8
Arkansas	565.1	564.5	548.1	16.4	.6	.6	.
Florida	262.8	262.1	217.5	44.6	.7	(²)	.7
Georgia	760.7	754.0	652.8	101.2	6.7	.1	6.6
Louisiana	290.5	282.8	252.3	30.5	7.7	5.9	1.8
Mississippi	355.8	336.9	262.2	74.7	18.9	11.6	7.3
North Carolina	554.3	536.3	436.2	100.1	18.0	.7	17.3
Oklahoma	47.0	47.0	47.0	.	.	.	.
South Carolina	464.6	458.8	374.9	83.9	5.8	.8	5.0
Tennessee	31.9	31.8	13.3	18.5	.1	.	.1
Texas	446.1	446.1	404.0	42.1	.	.	.
Virginia	246.3	242.8	181.5	61.3	3.5	.	3.5
All States	4,717.1	4,643.3	3,921.1	722.2	73.8	24.7	49.1

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

² Negligible.

Table 7. *Southern pulpwood production by Experiment Station territory, 1964*

Station and source of wood	All species	Pine	Hardwood
----- Standard cords -----			
Southeastern			
Roundwood	13,683,593	11,254,138	2,429,455
Residues	2,288,709	1,864,501	424,208
Total	15,972,302	13,118,639	2,853,663
Southern			
Roundwood	10,425,075	7,266,038	3,159,037
Residues	2,428,427	2,081,320	347,107
Total	12,853,502	9,347,358	3,506,144
All States			
Roundwood	24,108,668	18,520,176	5,588,492
Residues	4,717,136	3,945,821	771,315
Total	28,825,804	22,465,997	6,359,807

Table 8. *Round pulpwood production in Alabama, 1964*

County	All species	Pine	Hardwood	County	All species	Pine	Hardwood
----- Standard cords -----				----- Standard cords -----			
Autauga	7,545	4,574	2,971	Houston	15,963	12,062	3,901
Baldwin	199,968	151,327	48,641	Jackson	6,033	4,493	1,540
Barbour	50,873	42,837	8,036	Jefferson	31,739	30,610	1,129
Bibb	44,672	38,016	6,656	Lamar	9,749	9,663	86
Blount	15,121	15,062	59	Lauderdale	4,331	3,552	779
Bullock	27,866	26,110	1,756	Lawrence	449	449	...
Butler	83,603	63,627	19,976	Lee	52,801	44,970	7,831
Calhoun	55,200	51,233	3,967	Limestone	3,135	3,135	...
Chambers	41,364	34,207	7,157	Lowndes	41,863	31,146	10,717
Cherokee	34,042	24,726	9,316	Macon	7,266	7,208	58
Chilton	52,375	42,648	9,727	Madison	1,251	1,238	13
Choctaw	177,111	115,405	61,706	Marengo	90,157	56,350	33,807
Clarke	138,131	75,578	62,553	Marion	23,839	23,131	708
Clay	47,526	38,198	9,328	Marshall	12,037	11,726	311
Cleburne	45,018	41,948	3,070	Mobile	132,880	100,706	32,174
Coffee	42,200	31,450	10,750	Monroe	106,974	75,886	31,088
Colbert	6,230	6,026	204	Montgomery	85,859	54,655	31,204
Conecuh	76,105	55,412	20,693	Morgan	2,112	2,112	...
Coosa	79,731	65,616	14,115	Perry	33,536	13,253	20,283
Covington	86,192	69,972	16,220	Pickens	45,187	37,617	7,570
Crenshaw	52,901	39,774	13,127	Pike	72,407	54,016	18,391
Cullman	11,785	11,775	10	Randolph	70,588	58,530	12,058
Dale	73,122	58,878	14,244	Russell	37,258	36,839	419
Dallas	35,134	22,612	12,522	St. Clair	37,237	35,515	1,722
De Kalb	22,031	16,477	5,554	Shelby	73,215	64,840	8,375
Elmore	46,952	42,697	4,255	Sumter	77,562	40,505	37,057
Escambia	98,175	76,244	21,931	Talladega	56,725	52,176	4,549
Etowah	31,144	26,444	4,700	Tallapoosa	82,872	66,158	16,714
Fayette	22,528	21,942	586	Tuscaloosa	65,780	59,809	5,971
Franklin	9,486	9,094	392	Walker	53,710	53,406	304
Geneva	20,984	18,138	2,846	Washington	139,329	102,558	36,771
Greene	39,389	21,354	18,035	Wilcox	120,248	71,786	48,462
Hale	38,456	21,680	16,776	Winston	9,260	9,046	214
Henry	47,006	34,486	12,520	All counties	3,463,318	2,644,713	818,605

Table 9. Round pulpwood production in Arkansas, 1964

County	All species	Pine	Hardwood	County	All species	Pine	Hardwood
----- Standard cords -----				----- Standard cords -----			
Arkansas	28	...	28	Lincoln	16,421	5,274	11,147
Ashley	186,815	127,822	58,993	Little River	15,734	12,226	3,508
Baxter	...	...	...	Logan	2,151	2,144	7
Benton	...	...	...	Lonoke	14	10	4
Boone	...	...	...	Madison	...	...	...
Bradley	35,016	23,220	11,796	Marion	...	...	...
Calhoun	64,560	54,136	10,424	Miller	23,939	17,803	6,136
Carroll	...	...	...	Mississippi	259	...	259
Chicot	24,344	...	24,344	Monroe	...	...	...
Clark	67,357	44,179	23,178	Montgomery	31,309	21,659	9,650
Clay	...	...	...	Nevada	39,090	30,978	8,112
Cleburne	44	29	15	Newton	498	494	4
Cleveland	54,257	40,274	13,983	Ouachita	99,786	76,110	23,676
Columbia	95,745	77,075	18,670	Perry	1,465	1,385	80
Conway	253	253	...	Phillips	138	6	132
Craighead	3	3	...	Pike	39,469	26,283	13,186
Crawford	...	...	...	Poinsett	...	...	...
Crittenden	...	...	...	Polk	3,730	1,068	2,662
Cross	...	...	...	Pope	17,663	15,243	2,420
Dallas	58,563	43,704	14,859	Prairie	2	2	...
Desha	4,286	...	4,286	Pulaski	4,034	3,655	379
Drew	104,476	40,081	64,395	Randolph	9	6	3
Faulkner	13	9	4	St. Francis	...	...	...
Franklin	...	...	...	Saline	33,767	23,505	10,262
Fulton	...	...	...	Scott	278	260	18
Garland	18,403	11,781	6,622	Searcy	3	3	...
Grant	112,355	86,806	25,549	Sebastian	...	...	...
Greene	...	...	...	Sevier	16,478	10,622	5,856
Hempstead	46,573	30,599	15,974	Sharp	...	...	...
Hot Spring	43,346	30,616	12,730	Stone	...	...	...
Howard	24,648	17,043	7,605	Union	132,481	106,974	25,507
Independence	9	9	...	Van Buren	272	266	6
Izard	199	47	152	Washington	...	...	...
Jackson	...	...	...	White	...	...	...
Jefferson	30,646	21,493	9,153	Woodruff	...	...	...
Johnson	2,928	2,920	8	Yell	5,715	5,587	128
Lafayette	37,525	28,067	9,458	All counties	1,497,319	1,041,729	455,590
Lawrence	...	...	...				
Lee	222	...	222				

Table 10. Round pulpwood production in Florida, 1964

County	All species	Pine	Hardwood	County	All species	Pine	Hardwood
--- Standard cords ---				--- Standard cords ---			
Alachua	73,103	65,700	7,403	Lake	37,512	26,956	10,556
Baker	73,603	73,603	...	Lee	3,164	3,164	...
Bay	52,572	52,147	425	Leon	34,036	33,006	1,030
Bradford	64,070	58,820	5,250	Levy	52,463	51,504	959
Brevard	706	706	...	Liberty	48,925	48,575	350
Broward	...	...	...	Madison	72,481	65,987	6,494
Calhoun	49,442	45,594	3,848	Manatee	4,304	4,304	...
Charlotte	14,000	14,000	...	Marion	93,652	81,403	12,249
Citrus	2,997	2,755	242	Martin	2,226	2,226	...
Clay	73,807	66,280	7,527	Monroe	...	...	...
Collier	3,270	3,270	...	Nassau	173,209	151,168	22,041
Columbia	76,691	69,267	7,424	Okaloosa	27,165	23,974	3,191
Dade	2,884	2,884	...	Okeechobee	1,947	1,947	...
De Soto	4,972	4,972	...	Orange	4,142	4,142	...
Dixie	81,011	64,491	16,520	Osceola	8,405	8,405	...
Duval	68,557	67,599	958	Palm Beach	406	406	...
Escambia	66,380	60,808	5,572	Pasco	3,167	3,125	42
Flagler	62,006	58,506	3,500	Pinellas	129	129	...
Franklin	29,432	29,327	105	Polk	35,295	35,295	...
Gadsden	38,485	36,771	1,714	Putnam	75,441	64,170	11,271
Gilchrist	5,342	5,269	73	St. Johns	92,682	82,682	10,000
Glades	906	906	...	St. Lucie	...	...	...
Gulf	19,860	19,678	182	Santa Rosa	89,479	86,640	2,839
Hamilton	66,597	57,204	9,393	Sarasota	899	899	...
Hardee	6,049	6,049	...	Seminole	7,979	7,979	...
Hendry	1,458	1,458	...	Sumter	4,788	4,788	...
Hernando	16,564	11,540	5,024	Suwannee	21,491	19,544	1,947
Highlands	891	891	...	Taylor	170,450	154,466	15,984
Hillsborough	2,490	2,490	...	Union	81,153	77,304	3,849
Holmes	43,974	33,585	10,389	Volusia	73,832	69,618	4,214
Indian River	195	195	...	Wakulla	37,126	35,995	1,131
Jackson	59,875	40,186	19,689	Walton	55,840	45,769	10,071
Jefferson	35,890	30,820	5,070	Washington	38,644	29,717	8,927
Lafayette	31,918	25,801	6,117	All counties	2,482,429	2,238,859	243,570

Table 11. *Round pulpwood production in Georgia, 1964*

County	All species	Pine	Hardwood	County	All species	Pine	Hardwood
--- Standard cords ---				--- Standard cords ---			
Appling	95,763	94,096	1,667	Grady	23,386	19,858	3,528
Atkinson	53,625	50,967	2,658	Greene	55,604	44,457	11,147
Bacon	41,250	40,086	1,164	Gwinnett	28,886	28,886	...
Baker	18,558	12,111	6,447	Habersham	6,395	5,758	637
Baldwin	24,231	21,575	2,656	Hall	27,019	27,019	...
Banks	3,745	3,745	...	Hancock	26,730	24,589	2,141
Barrow	2,386	2,386	...	Haralson	28,750	26,741	2,009
Bartow	25,399	23,223	2,176	Harris	49,923	47,242	2,681
Ben Hill	26,318	23,777	2,541	Hart	1,000	1,000	...
Berrien	18,377	13,105	5,272	Heard	23,609	23,338	271
Bibb	18,692	15,087	3,605	Henry	15,923	15,208	715
Bleckley	16,721	12,843	3,878	Houston	28,810	25,405	3,405
Brantley	71,298	62,508	8,790	Irwin	12,879	7,728	5,151
Brooks	19,989	14,915	5,074	Jackson	16,729	16,664	65
Bryan	77,068	70,904	6,164	Jasper	46,035	38,170	7,865
Bulloch	37,820	31,077	6,743	Jeff Davis	63,663	60,993	2,670
Burke	20,676	13,368	7,308	Jefferson	28,357	20,908	7,449
Butts	27,816	26,531	1,285	Jenkins	16,885	12,694	4,191
Calhoun	12,516	10,277	2,239	Johnson	24,733	20,106	4,627
Camden	128,236	108,505	19,731	Jones	65,556	58,754	6,802
Candler	15,247	12,387	2,860	Lamar	6,487	6,286	201
Carroll	42,065	41,182	883	Lanier	20,883	20,833	50
Catoosa	7,241	6,630	611	Laurens	68,231	57,141	11,090
Charlton	95,589	88,537	7,052	Lee	13,165	13,150	15
Chatham	22,876	12,476	10,400	Liberty	132,577	107,716	24,861
Chattahoochee	10,250	10,079	171	Lincoln	17,703	15,272	2,431
Chattooga	17,601	12,869	4,732	Long	66,847	59,877	6,970
Cherokee	26,825	26,494	331	Lowndes	25,796	25,796	...
Clarke	3,202	2,990	212	Lumpkin	2,378	2,378	...
Clay	18,326	14,042	4,284	McDuffie	36,890	32,491	4,399
Clayton	2,298	2,298	...	McIntosh	38,131	34,124	4,007
Clinch	157,443	156,648	795	Macon	47,740	43,782	3,958
Cobb	24,818	24,762	56	Madison	8,855	8,154	701
Coffee	59,126	53,681	5,445	Marion	27,273	25,697	1,576
Colquitt	20,023	18,175	1,848	Meriwether	35,841	34,426	1,415
Columbia	33,583	28,152	5,431	Miller	6,924	3,118	3,806
Cook	26,206	24,449	1,757	Mitchell	21,266	15,325	5,941
Coweta	34,380	33,957	423	Monroe	52,660	47,280	5,380
Crawford	21,410	18,801	2,609	Montgomery	20,997	19,454	1,543
Crisp	19,174	19,074	100	Morgan	21,266	18,341	2,925
Dade	606	533	73	Murray	14,031	13,384	647
Dawson	5,382	5,373	9	Muscogee	15,656	15,488	168
Decatur	29,999	22,418	7,581	Newton	24,177	22,879	1,298
De Kalb	1,743	1,743	...	Oconee	13,892	9,240	4,652
Dodge	103,084	95,160	7,924	Oglethorpe	17,739	15,714	2,025
Dooly	6,563	6,512	51	Paulding	29,949	26,209	3,740
Dougherty	39,467	37,111	2,356	Peach	19,854	19,205	649
Douglas	17,834	16,726	1,108	Pickens	13,461	13,091	370
Early	18,954	18,048	906	Pierce	52,166	50,741	1,425
Echols	155,799	155,749	50	Pike	1,698	1,544	154
Effingham	56,454	42,683	13,771	Polk	26,858	22,864	3,994
Elbert	42,440	40,078	2,362	Pulaski	14,301	13,830	471
Emanuel	37,359	33,452	3,907	Putnam	52,606	49,783	2,823
Evans	24,582	22,842	1,740	Quitman	29,573	27,462	2,111
Fannin	6,007	5,211	796	Rabun	4,086	103	3,983
Fayette	19,132	19,026	106	Randolph	20,038	17,516	2,522
Floyd	21,029	14,205	6,824	Richmond	9,338	6,142	3,196
Forsyth	11,780	11,767	13	Rockdale	3,636	3,636	...
Franklin	6,853	6,677	176	Schley	24,117	22,527	1,590
Fulton	8,492	8,392	100	Screven	24,903	17,860	7,043
Gilmer	5,552	4,954	598	Seminole	12,298	4,075	8,223
Glascock	2,308	2,219	89				
Glynn	71,893	52,551	19,342				
Gordon	15,814	14,480	1,334				

Table 11. Round pulpwood production in Georgia, 1964 (Continued)

County	All species	Pine	Hardwood	County	All species	Pine	Hardwood
----- Standard cords -----				----- Standard cords -----			
Spalding	9,899	9,577	322	Union	2,943	2,319	624
Stephens	7,973	7,813	160	Upson	43,473	39,140	4,333
Stewart	37,390	37,062	328	Walker	14,133	12,043	2,090
Sumter	24,923	24,519	404	Walton	4,056	3,995	61
Talbot	68,415	59,944	8,471	Ware	145,659	143,338	2,321
Taliaferro	10,114	9,464	650	Warren	26,502	22,854	3,648
Tattnall	51,590	44,806	6,784	Washington	55,310	44,494	10,816
Taylor	34,832	33,386	1,446	Wayne	166,400	157,791	8,609
Telfair	60,160	49,134	11,026	Webster	24,235	24,128	107
Terrell	12,460	12,059	401	Wheeler	45,539	38,571	6,968
Thomas	33,451	24,547	8,904	White	4,642	4,642	
Tift	5,776	4,226	1,550	Whitfield	14,497	13,973	524
Toombs	50,988	44,262	6,726	Wilcox	43,680	41,688	1,992
Towns				Wilkes	36,740	30,399	6,341
Treutlen	25,101	21,951	3,150	Wilkinson	76,988	66,438	10,550
Troup	72,523	68,950	3,573	Worth	9,274	8,374	900
Turner	18,398	17,641	757				
Twiggs	49,657	46,470	3,187	All counties	5,082,173	4,556,129	526,044

Table 12. Round pulpwood production in Louisiana, 1964

Parish	All species	Pine	Hardwood	Parish	All species	Pine	Hardwood
----- Standard cords -----				----- Standard cords -----			
Acadia	2,616	2,096	520	Madison	10,258		10,258
Allen	52,583	40,375	12,208	Morehouse	62,066	33,338	28,728
Ascension	626		626	Natchitoches	63,096	41,944	21,152
Assumption				Orleans			
Avoyelles	2,958	2,938	20	Ouachita	52,328	36,419	15,909
Beauregard	29,673	22,965	6,708	Plaquemines			
Bienville	132,546	108,239	24,307	Pointe Coupee	8,202		8,202
Bossier	84,011	56,411	27,600	Rapides	77,830	60,782	17,048
Caddo	31,316	21,818	9,498	Red River	27,170	16,158	11,012
Calcasieu	11,874	7,937	3,937	Richland	48		48
Caldwell	31,637	27,629	4,008	Sabine	95,171	66,525	28,646
Cameron				St. Bernard			
Catahoula	14,258	5,475	8,783	St. Charles			
Claiborne	89,925	75,491	14,434	St. Helena	35,275	29,252	6,023
Concordia	9,245		9,245	St. James			
De Soto	73,665	46,061	27,604	St. John the Baptist			
East Baton Rouge	4,114	183	3,931	St. Landry	11,470	348	11,122
East Carroll	15,002	15	14,987	St. Martin	12,515		12,515
East Feliciana	12,676	7,439	5,237	St. Mary			
Evangeline	9,700	6,310	3,390	St. Tammany	41,757	41,024	733
Franklin	754	414	340	Tangipahoa	54,914	49,306	5,608
Grant	43,650	35,973	7,677	Tensas	10,668		10,668
Iberia				Terrebonne			
Iberville	9		9	Union	207,008	167,091	39,917
Jackson	102,908	89,304	13,604	Vermilion			
Jefferson				Vernon	35,584	25,004	10,580
Jefferson Davis	1,237	406	831	Washington	97,644	90,772	6,872
Lafayette				Webster	63,153	45,198	17,955
Lafourche				West Baton Rouge	238		238
La Salle	52,026	46,171	5,855	West Carroll	211	145	66
Lincoln	81,643	62,849	18,794	West Feliciana	6,573	416	6,157
Livingston	99,954	91,370	8,584	Winn	145,267	122,450	22,817
				All parishes	2,109,052	1,584,041	525,011

Table 13. Round pulpwood production in Mississippi, 1964

County	All species	Pine	Hardwood	County	All species	Pine	Hardwood
--- Standard cords ---				--- Standard cords ---			
Adams	15,862	3,999	11,863	Lincoln	36,668	19,506	17,162
Alcorn	7,024	5,931	1,093	Lowndes	7,534	4,616	2,918
Amite	22,130	11,823	10,307	Madison	10,957	3,526	7,431
Attala	21,812	5,492	16,320	Marion	80,514	41,396	39,118
Benton	2,621	1,592	1,029	Marshall	6,911	4,668	2,243
Bolivar	5,219	...	5,219	Monroe	1,246	874	372
Calhoun	5,087	4,305	782	Montgomery	4,645	1,095	3,550
Carroll	8,118	1,112	7,006	Neshoba	23,733	10,858	12,875
Chickasaw	14,424	11,703	2,721	Newton	34,140	16,383	17,757
Choctaw	16,644	9,249	7,395	Noxubee	18,213	12,970	5,243
Claiborne	38,748	6,808	31,940	Oktibbeha	8,103	6,347	1,756
Clarke	87,747	48,543	39,204	Panola	3,668	...	3,668
Clay	13,361	9,887	3,474	Pearl River	35,903	21,210	14,693
Coahoma	80	...	80	Perry	41,172	33,208	7,964
Copiah	40,064	19,223	20,841	Pike	30,362	18,870	11,492
Covington	25,734	6,757	18,977	Pontotoc	6,441	4,343	2,098
De Soto	...	...	...	Prentiss	10,316	8,819	1,497
Forrest	28,354	15,660	12,694	Quitman	1,149	80	1,069
Franklin	28,549	17,652	10,897	Rankin	33,447	13,406	20,041
George	45,967	33,556	12,411	Scott	18,385	7,793	10,592
Greene	72,237	44,906	27,331	Sharkey	4,634	...	4,634
Grenada	4,285	103	4,182	Simpson	33,970	15,054	18,916
Hancock	42,714	35,349	7,365	Smith	16,589	3,308	13,281
Harrison	21,343	17,574	3,769	Stone	36,264	23,737	12,527
Hinds	29,594	10,978	18,616	Sunflower	161	...	161
Holmes	29,421	1,939	27,482	Tallahatchie	1,619	176	1,443
Humphreys	4,065	23	4,042	Tate	...	...	...
Issaquena	5,170	...	5,170	Tippah	10,486	9,170	1,316
Itawamba	12,046	10,927	1,119	Tishomingo	29,235	24,819	4,416
Jackson	49,784	43,302	6,482	Tunica	6,039	...	6,039
Jasper	50,590	22,993	27,597	Union	6,929	5,895	1,034
Jefferson	30,212	12,820	17,392	Walthall	28,951	11,041	17,910
Jefferson Davis	8,727	1,964	6,763	Warren	20,915	1,138	19,777
Jones	42,666	11,034	31,632	Washington	10,938	...	10,938
Kemper	29,447	24,051	5,396	Wayne	59,669	35,993	23,676
Lafayette	17,109	13,058	4,051	Webster	16,397	12,175	4,222
Lamar	24,860	8,336	16,524	Wilkinson	18,457	5,505	12,952
Lauderdale	67,059	44,667	22,392	Winston	35,595	17,052	18,543
Lawrence	26,967	10,976	15,991	Yalobusha	14,485	8,008	6,477
Leake	20,530	6,012	14,518	Yazoo	15,213	416	14,797
Lee	4,525	4,150	375	All counties	1,801,882	941,909	859,973
Leflore	933	...	933				

Table 14. Round pulpwood production in North Carolina, 1964

County	All species	Pine	Hardwood	County	All species	Pine	Hardwood
--- Standard cords ---				--- Standard cords ---			
Alamance	3,209	3,088	121	Lee	10,046	6,731	3,315
Alexander	4,428	4,149	279	Lenoir	8,270	8,233	37
Alleghany	12	10	2	Lincoln	5,204	3,787	1,417
Anson	63,832	43,993	19,839	McDowell	19,297	10,352	8,945
Ashe	...	...	...	Macon	12,198	1,284	10,914
Avery	270	...	270	Madison	4,232	2,277	1,955
Beaufort	100,304	83,269	17,035	Martin	27,455	22,798	4,657
Bertie	39,926	28,898	11,028	Mecklenburg	31,733	21,994	9,739
Bladen	41,106	31,121	9,985	Mitchell	5,173	...	5,173
Brunswick	92,638	81,857	10,781	Montgomery	6,301	4,390	1,911
Buncombe	39,515	13,770	25,745	Moore	29,407	25,711	3,696
Burke	17,088	12,016	5,072	Nash	19,140	15,289	3,851
Cabarrus	4,135	3,244	891	New Hanover	7,191	6,671	520
Caldwell	8,175	5,783	2,392	Northampton	13,511	12,444	1,067
Camden	425	120	305	Onslow	90,643	81,324	9,319
Carteret	17,803	17,623	180	Orange	4,598	4,260	338
Caswell	1,190	1,030	160	Pamlico	17,273	16,481	792
Catawba	1,373	1,117	256	Pasquotank	15,461	14,695	766
Chatham	55,057	35,985	19,072	Pender	76,128	54,937	21,191
Cherokee	30,814	21,488	9,326	Perquimans	11,662	7,011	4,651
Chowan	10,788	7,654	3,134	Person	10,406	10,220	186
Clay	...	...	...	Pitt	14,436	12,322	2,114
Cleveland	12,318	10,200	2,118	Polk	12,002	4,740	7,262
Columbus	84,141	61,273	22,868	Randolph	4,854	3,675	1,179
Craven	40,371	35,541	4,830	Richmond	28,620	21,398	7,222
Cumberland	40,077	30,203	9,874	Robeson	27,441	19,706	7,735
Currituck	3,697	2,462	1,235	Rockingham	12,721	12,347	374
Dare	2,618	2,495	123	Rowan	7,532	5,816	1,716
Davidson	7,428	7,036	392	Rutherford	28,965	16,319	12,646
Davie	4,633	3,688	945	Sampson	65,668	55,813	9,855
Duplin	40,406	34,317	6,089	Scotland	11,997	8,265	3,732
Durham	26,551	23,959	2,592	Stanly	7,594	7,105	489
Edgecombe	7,479	5,469	2,010	Stokes	3,378	3,221	157
Forsyth	7,701	6,968	733	Surry	5,887	5,670	217
Franklin	62,447	46,967	15,480	Swain	7,816	3,781	4,035
Gaston	17,839	12,962	4,877	Transylvania	13,864	1,845	12,019
Gates	23,391	12,435	10,956	Tyrrell	14,106	11,375	2,731
Graham	1,449	645	804	Union	26,884	20,763	6,121
Granville	18,761	17,259	1,502	Vance	7,288	5,564	1,724
Greene	1,068	1,068	...	Wake	46,631	36,989	9,642
Guilford	10,125	9,927	198	Warren	38,046	35,024	3,022
Halifax	56,114	43,621	12,493	Washington	22,333	9,170	13,163
Harnett	9,143	5,533	3,610	Watauga	88	...	88
Haywood	9,018	2,172	6,846	Wayne	13,452	11,119	2,333
Henderson	18,786	5,458	13,328	Wilkes	8,487	7,690	797
Hertford	32,325	15,674	16,651	Wilson	11,842	7,446	4,396
Hoke	3,047	2,472	575	Yadkin	6,502	5,954	548
Hyde	22,433	14,340	8,093	Yancey	239	...	239
Iredell	15,498	12,860	2,638	All counties	2,070,181	1,527,749	542,432
Jackson	38,355	1,109	37,246				
Johnston	16,751	11,154	5,597				
Jones	30,121	28,261	1,860				

Table 15. *Round pulpwood production in Oklahoma, 1964*

County	All species	Pine	Hardwood
- - - - Standard cords - - - -			
Cherokee	1,663		1,663
Delaware	1,664		1,664
Garvin	812		812
McCurtain	14,518	3,904	10,614
Mayes	1,664		1,664
Rogers	1,663		1,663
Wagoner	1,664		1,664
All counties	23,648	3,904	19,744

Table 16. *Round pulpwood production in South Carolina, 1964*

County	All species	Pine	Hardwood	County	All species	Pine	Hardwood
- - - - Standard cords - - - -				- - - - Standard cords - - - -			
Abbeville	40,669	35,271	5,398	Jasper	61,280	50,950	10,330
Aiken	64,223	49,429	14,794	Kershaw	120,304	93,593	26,711
Allendale	33,093	22,182	10,911	Lancaster	63,064	48,840	14,224
Anderson	32,696	27,155	5,541	Laurens	59,256	50,757	8,499
Bamberg	23,473	13,201	10,272	Lee	20,736	11,863	8,873
Barnwell	36,924	32,040	4,884	Lexington	26,794	22,321	4,473
Beaufort	14,083	7,242	6,841	McCormick	25,306	23,503	1,803
Berkeley	92,279	63,028	29,251	Marion	16,412	11,100	5,312
Calhoun	9,243	7,528	1,715	Marlboro	26,774	11,882	14,892
Charleston	59,452	40,164	19,288	Newberry	95,687	86,407	9,280
Cherokee	13,416	12,157	1,259	Oconee	26,052	19,571	6,481
Chester	77,827	64,213	13,614	Orangeburg	24,836	15,345	9,491
Chesterfield	66,921	43,628	23,293	Pickens	5,421	4,920	501
Clarendon	29,123	21,010	8,113	Richland	60,801	47,707	13,094
Colleton	64,673	42,060	22,613	Saluda	38,956	26,915	12,041
Darlington	22,523	12,699	9,824	Spartanburg	29,908	23,070	6,838
Dillon	20,814	16,463	4,351	Sumter	32,047	24,642	7,405
Dorchester	46,638	28,646	17,992	Union	78,908	72,210	6,698
Edgefield	81,525	65,138	16,387	Williamsburg	55,697	37,333	18,364
Fairfield	121,301	108,389	12,912	York	60,566	45,587	14,979
Florence	33,948	20,690	13,258	All counties	2,164,989	1,657,783	507,206
Georgetown	100,689	72,400	28,289				
Greenville	18,275	15,175	3,100				
Greenwood	42,399	37,982	4,417				
Hampton	46,994	36,542	10,452				
Horry	42,983	34,835	8,148				

Table 17. Round pulpwood production in Tennessee, 1964

County	All species	Pine	Hardwood	County	All species	Pine	Hardwood
--- Standard cords ---				--- Standard cords ---			
Anderson	7,109	2,943	4,166	Lauderdale	...	...	...
Bedford	...	...	...	Lawrence	...	...	...
Benton	1,146	729	417	Lewis	35	35	...
Bledsoe	5,476	3,969	1,507	Lincoln	...	...	...
Blount	17,126	12,115	5,011	Loudon	2,933	1,126	1,807
Bradley	13,785	10,061	3,724	McMinn	22,238	16,141	6,097
Campbell	7,099	5,040	2,059	McNairy	12,555	9,062	3,493
Cannon	...	...	...	Macon	...	...	...
Carroll	1,731	1,110	621	Madison	1,538	1,020	518
Carter	9,110	1,213	7,897	Marion	386	386	...
Cheatham	...	...	...	Marshall	...	...	...
Chester	3,794	3,427	367	Maury	...	...	...
Claiborne	1,149	1,091	58	Meigs	12,550	7,584	4,966
Clay	...	...	...	Monroe	24,761	11,543	13,218
Cocke	10,685	8,920	1,765	Montgomery	...	...	...
Coffee	...	...	...	Moore	...	...	...
Crockett	...	...	...	Morgan	29,308	5,883	23,425
Cumberland	31,346	5,901	25,445	Obion	...	...	...
Davidson	...	...	...	Overton	...	...	...
Decatur	2,147	1,481	666	Perry	480	22	458
De Kalb	...	...	...	Pickett	...	...	...
Dickson	...	...	...	Polk	19,191	13,794	5,397
Dyer	25	...	25	Putnam	1,580	1,092	488
Fayette	179	110	69	Rhea	13,600	5,636	7,964
Fentress	7,054	5,270	1,784	Roane	8,077	1,780	6,297
Franklin	...	...	...	Robertson	...	...	...
Gibson	70	70	...	Rutherford	...	...	...
Giles	...	...	...	Scott	12,366	4,349	8,017
Grainger	2,400	1,998	402	Sequatchie	3,046	1,605	1,441
Greene	1,806	...	1,806	Sevier	5,552	5,217	305
Grundy	3,233	3,116	117	Shelby	764	...	764
Hamblen	36	...	36	Smith	...	...	...
Hamilton	11,987	7,020	4,967	Stewart	...	...	...
Hancock	165	...	165	Sullivan	10,381	...	10,381
Hardeman	6,582	5,031	1,551	Sumner	...	...	...
Hardin	3,919	2,813	1,106	Tipton	5,582	...	5,582
Hawkins	7,984	1,861	6,123	Trousdale	...	...	...
Haywood	...	...	...	Unicoi	7,345	1,213	6,132
Henderson	4,534	3,987	547	Union	6,364	5,249	1,115
Henry	30	30	...	Van Buren	...	...	...
Hickman	...	...	...	Warren	...	...	...
Houston	...	...	...	Washington	8,268	5,275	2,993
Humphreys	...	...	...	Wayne	535	498	37
Jackson	...	...	...	Weakley	1,210	...	1,210
Jefferson	183	79	104	White	866	...	866
Johnson	4,126	...	4,126	Williamson	...	...	...
Knox	7,983	4,471	3,512	Wilson	...	...	...
Lake	...	...	...	All counties	385,480	192,366	193,114

Table 18. *Round pulpwood production in Texas, 1964*

County	All species	Pine	Hardwood
- - - - Standard cords - - - -			
Anderson	1,229	1,152	77
Angelina	61,468	51,609	9,859
Austin	208		208
Bowie	17,655	15,577	2,078
Brazos	268		268
Burleson	85		85
Camp	1,146	934	212
Cass	41,701	36,127	5,574
Chambers	1,769	963	806
Cherokee	32,698	32,675	23
Colorado	199		199
Falls	156		156
Fort Bend	194		194
Freestone	540		540
Gregg	9	9	
Grimes	8,851	8,383	468
Hardin	44,478	20,190	24,288
Harris	30,791	21,287	9,504
Harrison	20,135	12,491	7,644
Houston	36,770	30,515	6,255
Jasper	68,238	44,830	23,408
Jefferson	1,277	456	821
Lamar	885		885
Leon	1,762		1,762
Liberty	70,055	44,212	25,843
Marion	19,445	12,134	7,311
Montgomery	64,719	45,826	18,893
Morris	3,072	2,496	576
Nacogdoches	45,835	42,653	3,182
Newton	49,924	30,083	19,841
Orange	19,862	11,277	8,585
Panola	46,619	34,622	11,997
Polk	98,975	75,091	23,884
Robertson	107		107
Rusk	8,938	8,894	44
Sabine	36,393	32,467	3,926
San Augustine	49,849	32,573	17,276
San Jacinto	20,448	14,248	6,200
Shelby	49,646	42,572	7,074
Smith	307	307	
Titus	35	3	32
Trinity	63,262	57,072	6,190
Tyler	58,678	43,711	14,967
Upshur	22,096	20,941	1,155
Van Zandt	425		425
Walker	35,931	26,241	9,690
Waller	756	398	358
Wood	6,487	2,357	4,130
All counties	1,144,376	857,376	287,000

Table 19. Round pulpwood production in Virginia, 1964

County ¹	All species	Pine	Hardwood	County ¹	All species	Pine	Hardwood
--- Standard cords ---				--- Standard cords ---			
Accomack	19,430	19,425	5	King William	26,618	24,453	2,165
Albemarle	39,312	23,727	15,585	Lancaster	7,580	6,799	781
Alleghany	45,304	8,626	36,678	Lee	2,384	3	2,381
Amelia	45,259	39,306	5,953	Loudoun	1,095	1,095	
Amherst	54,562	20,698	33,864	Louisa	21,510	16,020	5,490
Appomattox	56,216	22,366	33,850	Lunenburg	15,695	12,567	3,128
Arlington	19	19		Madison	1,750	1,660	90
Augusta	16,462	4,537	11,925	Mathews	2,422	1,892	530
Bath	35,184	3,767	31,417	Mecklenburg	27,359	26,034	1,325
Bedford	44,793	25,610	19,183	Middlesex	14,359	13,593	766
Bland	886	691	195	Montgomery	4,049	4,043	6
Botetourt	24,853	7,801	17,052	Nansemond	15,682	7,630	8,052
Brunswick	59,345	42,254	17,091	Nelson	35,292	13,360	21,932
Buchanan	3	3		New Kent	27,295	23,221	4,074
Buckingham	83,708	47,689	36,019	Norfolk	1,832	1,726	106
Campbell	50,809	33,088	17,721	Northampton	956	869	87
Caroline	17,302	16,896	406	Northumberland	3,767	3,390	377
Carroll	5,639	5,600	39	Nottoway	30,099	26,059	4,040
Charles City	22,073	16,669	5,404	Orange	9,979	8,382	1,597
Charlotte	33,774	27,700	6,074	Page	386	261	125
Chesterfield	41,385	32,274	9,111	Patrick	6,829	6,795	34
Clarke	4,379	4,169	210	Pittsylvania	45,192	40,028	5,164
Craig	16,567	3,833	12,734	Powhatan	29,956	26,032	3,924
Culpeper	6,920	6,912	8	Prince Edward	47,948	39,622	8,326
Cumberland	23,417	17,431	5,986	Prince George	52,959	42,288	10,671
Dickenson	92	3	89	Prince William	11,896	11,294	602
Dinwiddie	57,872	47,740	10,132	Princess Anne	640	243	397
Elizabeth City	6	6		Pulaski	2,845	2,845	
Essex	20,182	19,657	525	Rappahannock			
Fairfax	4,101	3,932	169	Richmond	24,000	23,979	21
Fauquier	13,508	13,324	184	Roanoke	2,620	1,359	1,261
Floyd	3,262	3,262		Rockbridge	51,666	8,320	43,346
Fluvanna	22,302	15,361	6,941	Rockingham	15,491	11,655	3,836
Franklin	23,892	18,957	4,935	Russell	1,231		1,231
Frederick	7,136	5,927	1,209	Scott	11,674	4	11,670
Giles	170	124	46	Shenandoah	10,271	6,936	3,335
Gloucester	25,152	23,127	2,025	Smyth	2,072	8	2,064
Goochland	25,986	23,125	2,861	Southampton	52,254	28,669	23,585
Grayson	33		33	Spotsylvania	23,015	21,206	1,809
Greene	3,749	2,860	889	Stafford	9,291	7,474	1,817
Greensville	33,572	25,695	7,877	Surry	23,305	16,696	6,609
Halifax	13,970	12,978	992	Sussex	54,899	29,427	25,472
Hanover	7,758	7,166	592	Tazewell			
Henrico	5,000	4,016	984	Warren	2,989	2,347	642
Henry	16,600	16,386	214	Warwick	1,236	1,097	139
Highland	9,012	502	8,510	Washington	7,882		7,882
Isle of Wight	14,867	7,999	6,868	Westmoreland	8,586	8,586	
James City	11,366	10,623	743	Wise	10,650	9	10,641
King and Queen	44,964	41,466	3,498	Wythe	3,419	1,892	1,527
King George	2,592	2,542	50	York	4,151	3,881	270
				All counties	1,883,821	1,273,618	610,203

¹ Includes independent cities.

Table 20. Mills using southern pulpwood in 1964, by process and capacity ¹

Location	Map code ²	Company	Pulping capacity, 24 hours ³				
			All processes	Sulfate	Groundwood and other mechanical	Semi- chemical	Soda and sulfite
----- Tons -----							
ALABAMA							
Jackson	(1)	Allied Paper Corp.	300	300	...	...	...
Brewton	(2)	Container Corp. of America	600	600	...	...	...
Demopolis	(3)	Gulf States Paper Corp.	400	400	...	...	...
Tuscaloosa	(4)	Gulf States Paper Corp.	450	450	...	...	...
Mobile	(5)	International Paper Co.	1,315	1,015	300	...	...
Coosa Pines	(6)	Kimberly-Clark Corp., Coosa River Newsprint Div.	1,006	366	640	...	...
Naheola	(7)	Marathon Southern Corp.	490	490	...	...	...
Mobile	(8)	National Gypsum Co.	300	...	150	150	...
Mobile	(9)	The Ruberoid Co.	48	...	48	...	...
Mobile	(10)	Scott Paper Co.	900	900	...	...	...
Total			5,809	4,521	1,138	150	...
ARKANSAS							
Pine Bluff	(11)	Dierks Paper Co.	150	150	...	...	...
Crossett	(12)	Georgia-Pacific Corp. Crossett Division—Paper	815	815	...	...	...
Camden	(13)	International Paper Co.	625	625	...	...	...
Pine Bluff	(14)	International Paper Co.	1,300	900	400	...	...
Total			2,890	2,490	400	...	...
FLORIDA							
Foley	(15)	The Buckeye Cellulose Corp.	910	910	...	...	...
Fernandina Beach	(16)	Container Corp. of America	700	700	...	...	...
Palatka	(17)	Hudson Pulp and Paper Corp.	850	850	...	...	...
Panama City	(18)	International Paper Co.	1,230	1,230	...	...	...
Jacksonville	(19)	Owens-Illinois, Forest Products Div.	500	500	...	...	...
Fernandina Beach	(20)	Rayonier, Inc.	375	...	...	...	375
Port St. Joe	(21)	St. Joe Paper Co.	1,200	1,200	...	...	...
Jacksonville	(22)	St. Regis Paper Co.	1,400	1,400	...	...	...
Pensacola	(23)	St. Regis Paper Co.	800	800	...	...	...
Total			7,965	7,590	...	...	375
GEORGIA							
Macon	(24)	Armstrong Cork Co.	400	...	400	...	...
Brunswick	(25)	Brunswick Pulp and Paper Co.	1,120	1,120	...	...	...
Savannah	(26)	Certain-teed Products Corp.	65	...	65	...	...
Augusta	(27)	Continental Can Co., Inc.	350	225	...	125	...
Port Wentworth	(28)	Continental Can Co., Inc.	600	600	...	...	...
Macon	(29)	Georgia Kraft Co., Macon Div.	700	700	...	...	...
Rome	(30)	Georgia Kraft Co., Rome Div.	1,375	1,375	...	...	...
St. Marys	(31)	Gilman Paper Co., St. Marys Kraft Div.	950	950	...	...	...
Cedar Springs	(32)	Great Southern Land and Paper Co.	700	700	...	...	...
Valdosta	(33)	Owens-Illinois, Forest Products Div.	760	760	...	...	...
Jesup	(34)	Rayonier, Inc.	675	675	...	...	...
Savannah	(35)	The Ruberoid Co.	48	...	48	...	...
Savannah	(36)	Union Bag-Camp Paper Corp.	2,680	2,280	...	400	...
Total			10,423	9,385	513	525	...
ILLINOIS							
Alton	(37)	Alton Box Board Co.	250	...	...	250	...
East St. Louis	(38)	Certain-teed Products Corp.	85	...	85	...	...
Wilmington	(39)	Lehon Co.	25	...	...	25	...
Total			360	...	85	275	...
LOUISIANA							
Shreveport	(40)	Bird and Son, Inc.	60	...	...	60	...
Elizabeth	(41)	Calcasieu Paper Co., Inc.	240	240	...	...	...
Hodge	(42)	Continental Can Co., Inc.	650	500	...	150	...
Bogalusa	(43)	Crown Zellerbach Corp.	1,435	1,300	...	135	...
Bastrop	(44)	International Paper Co. (Bastrop Mill)	535	...	...	535	...
Bastrop	(45)	International Paper Co. (Louisiana Mill)	800	800	...	...	...
Springhill	(46)	International Paper Co.	1,625	1,625	...	...	...
West Monroe	(47)	Olin Mathieson Chemical Corp.	650	650	...	...	...
St. Francisville	(48)	St. Francisville Paper Co.	235	...	235	...	...
New Orleans	(49)	Southern Johns-Manville Products Corp.	60	...	60	...	...
Total			6,290	5,115	295	880	...
MARYLAND							
Luke	(50)	West Virginia Pulp and Paper Co.	600	600	...	...	...
Total			600	600	...	...	...

Table 20. Mills using southern pulpwood in 1964, by process and capacity ¹ (Continued)

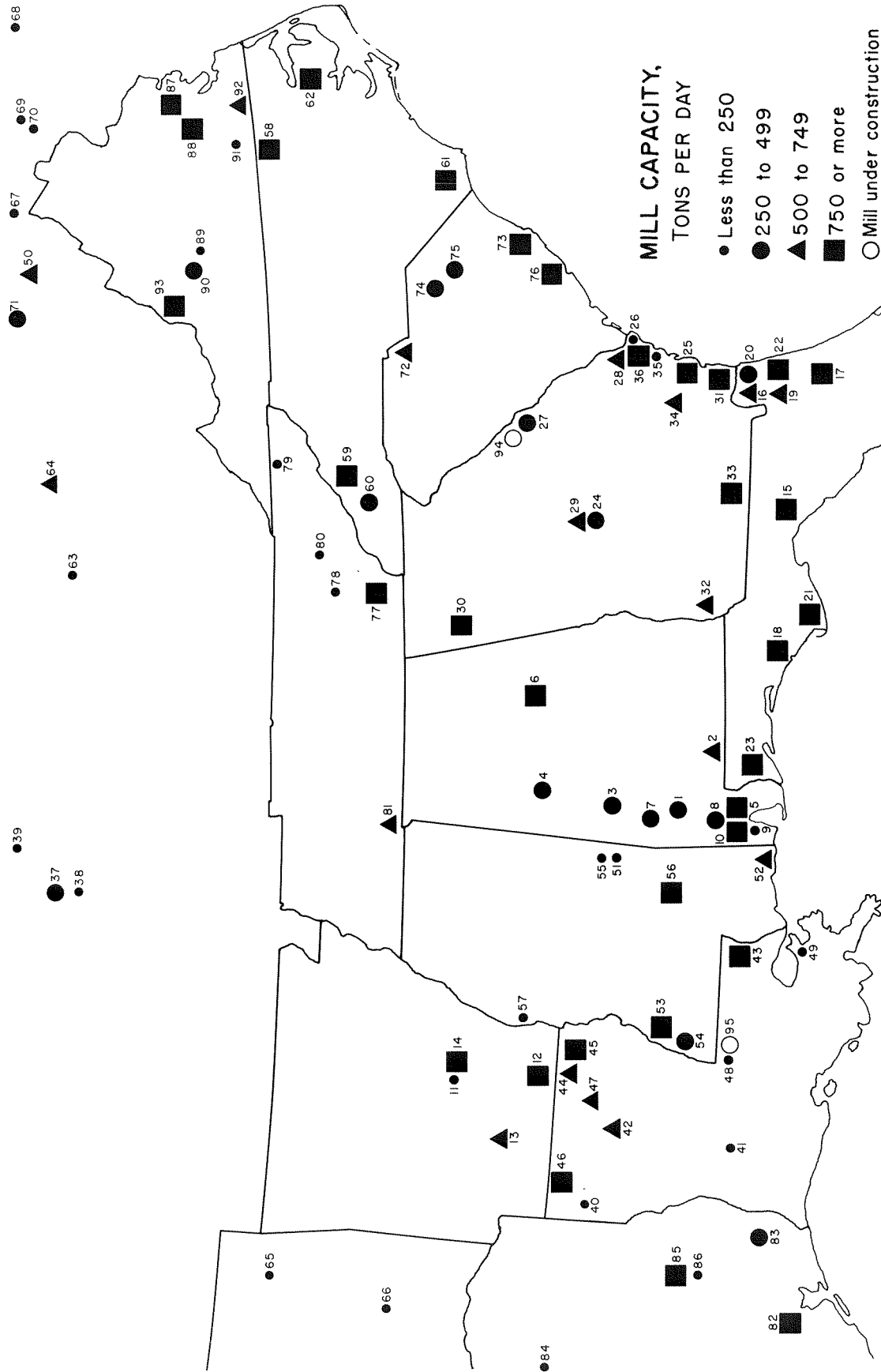
Location	Map code ²	Company	Pulping capacity, 24 hours ³				
			All processes	Sulfate	Groundwood and other mechanical	Semi- chemical	Soda and sulfite
----- Tons -----							
MISSISSIPPI							
Meridian	(51)	The Flintkote Co.	133	...	133	...	...
Moss Point	(52)	International Paper Co.	660	660	...	...	...
Natchez	(53)	International Paper Co.	950	950	...	...	...
Natchez	(54)	Johns-Manville Products Corp.	350	...	230	120	...
Meridian	(55)	Kroehler Mfg. Co. of Miss., Inc. ⁴	80	...	80	...	...
Laurel	(56)	Masonite Corp.	1,200	...	1,200	...	...
Greenville	(57)	United States Gypsum Co.	200	...	200	...	...
		Total	3,573	1,610	1,843	120	...
NORTH CAROLINA							
Roanoke Rapids	(58)	Albemarle Paper Mfg. Co.	850	850	...	...	...
Canton	(59)	Champion Papers, Inc.	980	930	...	50	...
Sylva	(60)	The Mead Corp.	275	...	...	275	...
Acme	(61)	Riegel Paper Corp.	920	920	...	...	...
Plymouth	(62)	Weyerhaeuser Co., N. C. Div.	1,500	1,150	...	350	...
		Total	4,525	3,850	...	675	...
OHIO							
Cincinnati	(63)	The Philip Carey Mfg. Co.	200	...	200	...	...
Chillicothe	(64)	The Mead Corp.	500	...	...	...	500
		Total	700	...	200	...	500
OKLAHOMA							
Pryor	(65)	Bestwall Gypsum Co.	45	...	45	...	...
Craig	(66)	Dierks Forests, Inc.	50	...	50	...	...
		Total	95	...	95	...	...
PENNSYLVANIA							
Roaring Spring	(67)	D. M. Bare Paper Co.	120	120	...	...	...
Philadelphia	(68)	Barrett Div., Allied Chemical Corp.	160	...	160	...	...
York	(69)	Certain-teed Products Corp.	75	...	...	75	...
Spring Grove	(70)	P. H. Glatfelter Co.	215	215	...	...	...
Erie	(71)	Hammermill Paper Co.	400	...	...	50	350
		Total	970	335	160	125	350
SOUTH CAROLINA							
Catawba	(72)	Bowaters Carolina Corp.	500	400	100	...	...
Georgetown	(73)	International Paper Co.	2,130	1,650	...	480	...
Hartsville	(74)	Sonoco Products Co.	375	...	...	375	...
Florence	(75)	South Carolina Industries, Inc.	400	400	...	...	...
Charleston	(76)	West Virginia Pulp and Paper Co.	1,550	1,290	...	260	...
		Total	4,955	3,740	100	1,115	...
TENNESSEE							
Calhoun	(77)	Bowaters Southern Paper Corp.	1,475	450	850	175	...
Harriman	(78)	The Mead Corp.	170	...	...	170	...
Kingsport	(79)	The Mead Corp.	225	...	...	...	225
Knoxville	(80)	Southern Extract Co.	150	...	...	150	...
Counce	(81)	Tennessee River Pulp and Paper Co.	650	650	...	...	...
		Total	2,670	1,100	850	495	225
TEXAS							
Pasadena	(82)	Champion Papers, Inc.	790	725	65	...	...
Evadale	(83)	East Texas Pulp and Paper Co.	425	425	...	...	...
Dallas	(84)	The Ruberoid Co.	40	...	40	...	...
Lufkin	(85)	Southland Paper Mills, Inc.	1,250	400	850	...	...
Diboll	(86)	Temple Industries, Fiber Products Div.	130	...	...	130	...
		Total	2,635	1,550	955	130	...
VIRGINIA							
West Point	(87)	The Chesapeake Corp. of Virginia	1,050	1,050	...	...	...
Hopewell	(88)	Continental Can Co., Inc.	1,000	830	...	170	...
Lynchburg	(89)	The Mead Corp.	175	...	...	175	...
Big Island	(90)	Owens-Illinois, Forest Products Div.	285	...	...	285	...
Jarratt	(91)	Southern Johns-Manville Products Corp.	200	...	200	...	...
Franklin	(92)	Union Bag-Camp Paper Corp.	690	690	...	...	...
Covington	(93)	West Virginia Pulp and Paper Co.	1,300	1,050	...	250	...
		Total	4,700	3,620	200	880	...
		All States	59,160	45,506	6,834	5,370	1,450

¹ In 1964, two mills were under construction in the South. One, owned by Cox Newsprint, Inc., is at Augusta, Georgia (No. 94 in fig. 7). It will be completed in 1966 and is designed for a capacity of 280 tons daily. The other, at St. Francisville, Louisiana (No. 95), is owned by Crown Zellerbach Corporation. It will be completed in 1965 and will have a daily capacity of 500 tons.

² Corresponds to numbers at mill locations in figure 7.

³ Southern Pulp and Paper Manufacturer, vol. 27, No. 10 (Oct. 1, 1964); and other sources.

⁴ Operates exclusively on secondary wood residues.



U. S. Forest Service Resource Bulletin SO-6

SOUTHERN FOREST EXPERIMENT STATION

New Orleans, Louisiana

Forest Service, U.S. Department of Agriculture

1965