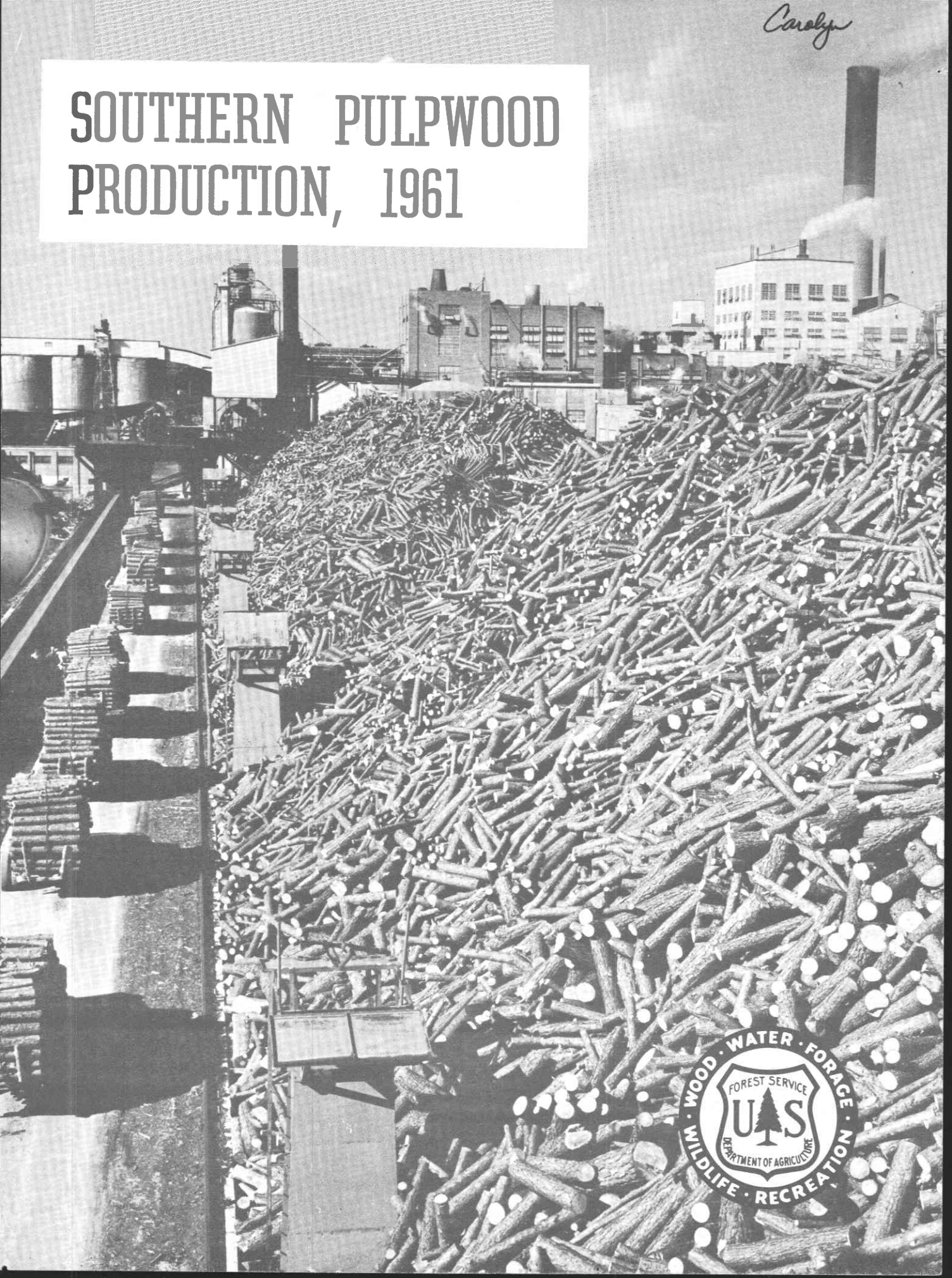
SOUTHERN PULPWOOD PRODUCTION, 1961



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SOUTHERN PULPWOOD PRODUCTION, 1961

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Atlanta, Georgia

1962

Southern pulpwood production reached 24,230,728 cords in 1961—60 percent of the Nation's total. Significant increases were noted in the consumption of hardwood and residues. But pine roundwood remained virtually unchanged for the third consecutive year.

Gains in 9 of the 12 southern States raised pulpwood output 3 percent above 1960 levels. They varied from a negligible amount in Virginia to a 16-percent gain in Tennessee. Production in three States—Louisiana, Mississippi, and Oklahoma—declined. Georgia harvested over 4.9 million cords to remain the South's leading producer. Alabama was second with 3.3 million cords, followed by North Carolina, South Carolina, and Florida, each producing over two million cords (table A).

Roundwood Production

Some 20,919,012 cords were delivered to the mills as roundwood (bolts cut from standing timber, as contrasted with sawmill chips, veneer cores, or other wood residues used for pulp). Nearly 80 percent of this roundwood was southern pine (table B), which has traditionally dominated the South's pulpwood market. But its share in the swelling pulpwood market has declined from a high of 90 percent of the total in 1949 to 68 percent in 1961. The output of round pine peaked in 1956 at 16.9 million cords. For 2 years during the 1957-58 recession, the harvest of pine declined. Then in 1959, it rose to 16.5 million cords, where it has remained for the past 3 consecutive years. Apparently the demand for pine roundwood has been softened by the rapid rise in chip use.

At the same time, the harvest of hardwood has been steadily expanding. The production of 4,398,105 cords in 1961 was up 7 percent over 1960 (table 1) and 17 percent above 1959. A decade ago, hardwood bolt production was largely confined to central Virginia, western North Carolina, and southern Mississippi. Since then, the number of mills using hardwood bolts

Table A. *Pulpwood production in the South, 1961, and change since 1960*

State	Round pulpwood and residues	Change
	Thousand cords	*Percent*
Alabama	3,300.4	+ 9
Arkansas	1,642.8	+ 6
Florida	2,265.4	+ 8
Georgia	4,949.1	+ 1
Louisiana	1,237.5	− 1
Mississippi	1,918.8	− 3
North Carolina	2,291.9	+ 1
Oklahoma	40.4	−24
South Carolina	2,290.7	+ 5
Tennessee	418.5	+16
Texas	1,441.5	+ 1
Virginia	1,833.7	(1)
All states	24,230.7	+ 3

[1] Negligible.

Table B. *Round pulpwood production in the South, by State and species group, 1961*

State	All species	Pine	Soft hardwoods [1]	Hard hardwoods
	Thousand cords			
Alabama	2,805.6	2,168.9	524.7	112.0
Arkansas	1,235.8	987.0	201.5	47.3
Florida	2,058.8	1,954.4	90.4	14.0
Georgia	4,406.0	3,923.9	375.5	106.6
Louisiana	1,630.3	1,306.2	231.0	93.1
Mississippi	1,718.9	889.4	730.3	99.2
North Carolina	1,879.9	1,430.4	222.0	227.5
Oklahoma	22.5	13.3	3.4	5.8
South Carolina	1,964.7	1,535.7	338.1	90.9
Tennessee	403.8	214.8	42.6	146.4
Texas	1,130.5	906.9	199.7	23.9
Virginia	1,662.2	1,190.0	119.9	352.3
All states	20,919.0	16,520.9	3,079.1	1,319.0

[1] Includes gums, cottonwood, willow, yellow-poplar, bay, magnolia, maples, basswood, sycamore, soft elm, hackberry.

has increased from 34 to 64, and the number of southern counties producing hardwoods has jumped from 544 to 720. The production gains registered by Alabama and Georgia are the most noticeable. Ten years ago they produced less hardwood for pulp than all other southern States except three. Now they rank second and third in hardwood production.

Technological advances in hardwood pulping processes have aided this trend. Semichemical, groundwood, and other mechanical processes account for 10,956 tons of capacity—21 percent of the South's total. But increased pulping of hardwoods by the sulfate process is the most significant advance of recent years. For instance, in 1961, mills exclusively using the sulfate process received a third of the hardwood delivered to southern mills (table C). Of the 33 mills in this category 27 pulped hardwoods, and their hardwood receipts ranged from 1 to 48 percent of all wood received, with an average of 14 percent.

Southern pulpmills show a distinct preference for the soft-textured hardwoods such as the gums and yellow-poplar (table B). This is particularly true of mills using only the sulfate process (table C). However, use of the hard-textured species has been rising at a slightly faster pace than that of soft hardwoods for the past several years.

Table C. *Hardwood receipts at southern mills, 1961* [1]

Process at mill	Capacity	All hardwoods [2]	Soft hardwoods	Hard hardwoods
	Tons per day	– – *Percent* – –		
Sulfate	23,830	33	38	19
Sulfate and semichemical	14,115	31	26	44
Sulfate and groundwood	6,055	5	10	—
Groundwood	2,364	14	18	4
Semichemical	2,142	12	5	23
Other	2,650	5	3	10
Total	51,156	100	100	100

[1] Based on 74 percent of the hardwood delivered to southern mills.
[2] Includes wood residues.

Production by County

County patterns of round pulpwood production are shown in figures 1 and 2. Union County, Louisiana, led in the harvest of pine with 136,897 cords. Seven other counties cut more than 100,000 cords in 1961. They were Baldwin County, Alabama; Camden, Clinch, Ware, and Wayne Counties, Georgia; Winn County, Louisiana; and Fairfield County, South Carolina. Twenty-two counties harvested between 75,000 and 100,000 cords, and 41 others were in the 50,000 to 75,000 class. These 71 counties accounted for 32 percent of all the pine roundwood produced in the South during 1961.

Choctaw County, Alabama, led in the harvest of hardwood, with 74,729 cords. Wilcox County, Alabama, was the only other southern county producing more than 50,000 cords of hardwoods in 1961.

Changing Mill Procurement Patterns

When the number of mills procuring pine roundwood by county (fig. 3) is compared to previous years, a changing pattern becomes apparent. There are now fewer counties from which a large number of mills are drawing pine. This reflects a shrinking in size of mill procurement territories. Southern pulpmills expanded their pine procurement territories throughout most of the past decade (table D). In 1958, 31 percent of the pine roundwood produced was transported over 100 miles to the mill. As the mills extended their purchases, the number of counties from which seven or more mills drew pine rose from 57 in 1951 to 146 in 1959 (table E). Then, in 1960, the mills began drawing in their procurement territories

Table D. *Southern pulpwood receipts by airline distance to mill, 1951, 1956, and 1961* [1]

Distance to mill (Miles)	Pine			Hardwood		
	1951	1956	1961	1951	1956	1961
	– – – *Cumulated percent* – – –					
All distances	100	100	100	100	100	100
50 or more	60	59	50	42	30	36
100 or more	26	28	21	10	9	10
200 or more	2	2	1	0	([2])	1

[1] Based on sample of 43 mills representing 71, 63, and 58 percent of the pine roundwood produced in the 3 years, and 46, 53, and 52 percent of the hardwood roundwood.
[2] Less than 0.5 percent.

Table E. *Number of southern counties by the number of pulp companies procuring pine roundwood, 1956-1961*

Pulp companies (Number)	1956	1957	1958	1959	1960	1961
	Cumulated number of counties					
1 or more	777	786	771	772	772	780
4 or more	417	414	402	404	383	356
7 or more	109	130	131	146	100	84
10 or more	11	28	28	29	13	11

and a sharp break occurred in the number of counties from which seven or more mills drew pine. By 1961, only 21 percent of the round pine was transported over 100 miles to the mill. Apparently, the mills have been cutting transportation costs by shortening the length of haul on pine roundwood.

In contrast to pine, the number of counties from which four or more mills drew hardwood has rapidly expanded (fig. 4), especially during the past 5 years (table F). However, the distance hardwood is transported to the mill has not increased proportionately (table D). The per-county increase in number of mills procuring hardwoods is largely accounted for by mills that began using hardwoods for the first time. For the most part, their individual volumes of purchases were small and restricted to local areas. It is only as consumption of hardwoods increases that mills reach farther out.

Table F. *Number of southern counties by the number of pulp companies procuring hardwood roundwood, 1951, 1956, 1961*

Pulp companies (Number)	1951	1956	1961
	Cumulated number of counties		
1 or more	544	606	720
4 or more	43	50	120
7 or more	5	0	6
10 or more	0	0	0

Residues

Wood residue production totaled 3,311,716 cord equivalents in 1961—a 12-percent gain over 1960 (table 2). Residues now account for 14 percent of all pulpwood produced in the South. Georgia remains the leading producer, with 543,076 cords. Alabama, Arkansas, and North Carolina produced more than 400,000 cords each.

Ninety-eight percent of this material was chips from sawmill and veneer plant waste; the remainder consisted of veneer cores, cull crossties, pole and piling ends, and other coarse residues (table 3). Pine chip production reached 2.8 million cords in 1961—85 percent of all residues received at the mills. However, the rapid growth in pine chip production has slowed considerably during the past 2 years (fig. 5). The 1961 production gain was less than half that of earlier years. Hardwood chip production, on the other hand, has been growing at an accelerated pace since 1959.

Pine chip production has followed a normal growth curve and is now apparently reaching the limit of economic supply. A large source of unused residue remains at small sawmills, but to tap this resource would require development of specialized equipment and methods of handling.

Capacity

The construction of 24 new mills and expansion of existing ones more than doubled the South's pulp capacity during the past decade. In the past 5 years alone, plant capacity increased by a third. The South now has 81 mills with 51,156 tons of daily capacity (table 18). One new mill went into operation during 1961 and several minor expansion programs were carried out. The 1960-61 increment in plant capacity was the smallest in any single year since at least 1946.

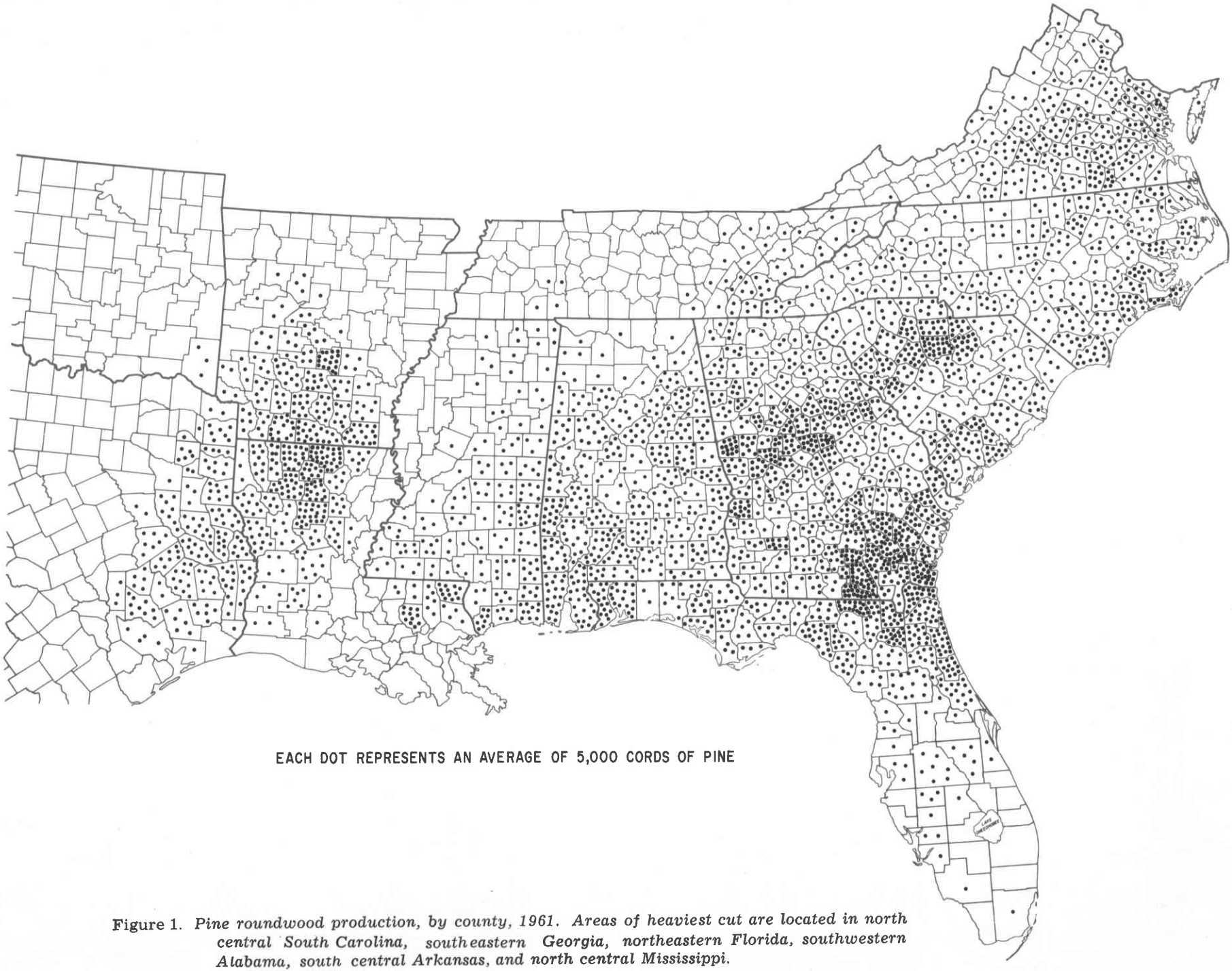

Figure 1. *Pine roundwood production, by county, 1961. Areas of heaviest cut are located in north central South Carolina, southeastern Georgia, northeastern Florida, southwestern Alabama, south central Arkansas, and north central Mississippi.*

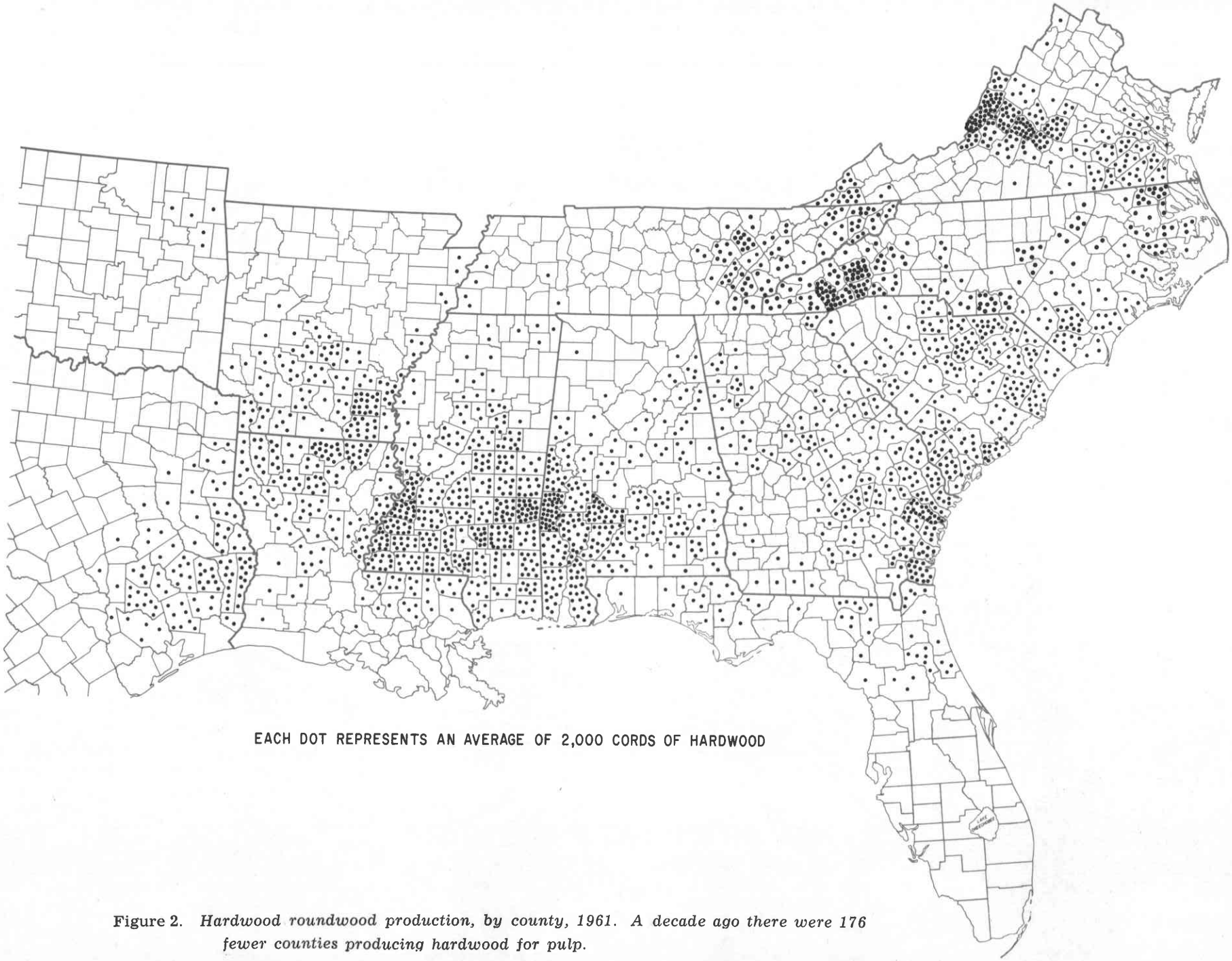

Figure 2. *Hardwood roundwood production, by county, 1961. A decade ago there were 176 fewer counties producing hardwood for pulp.*

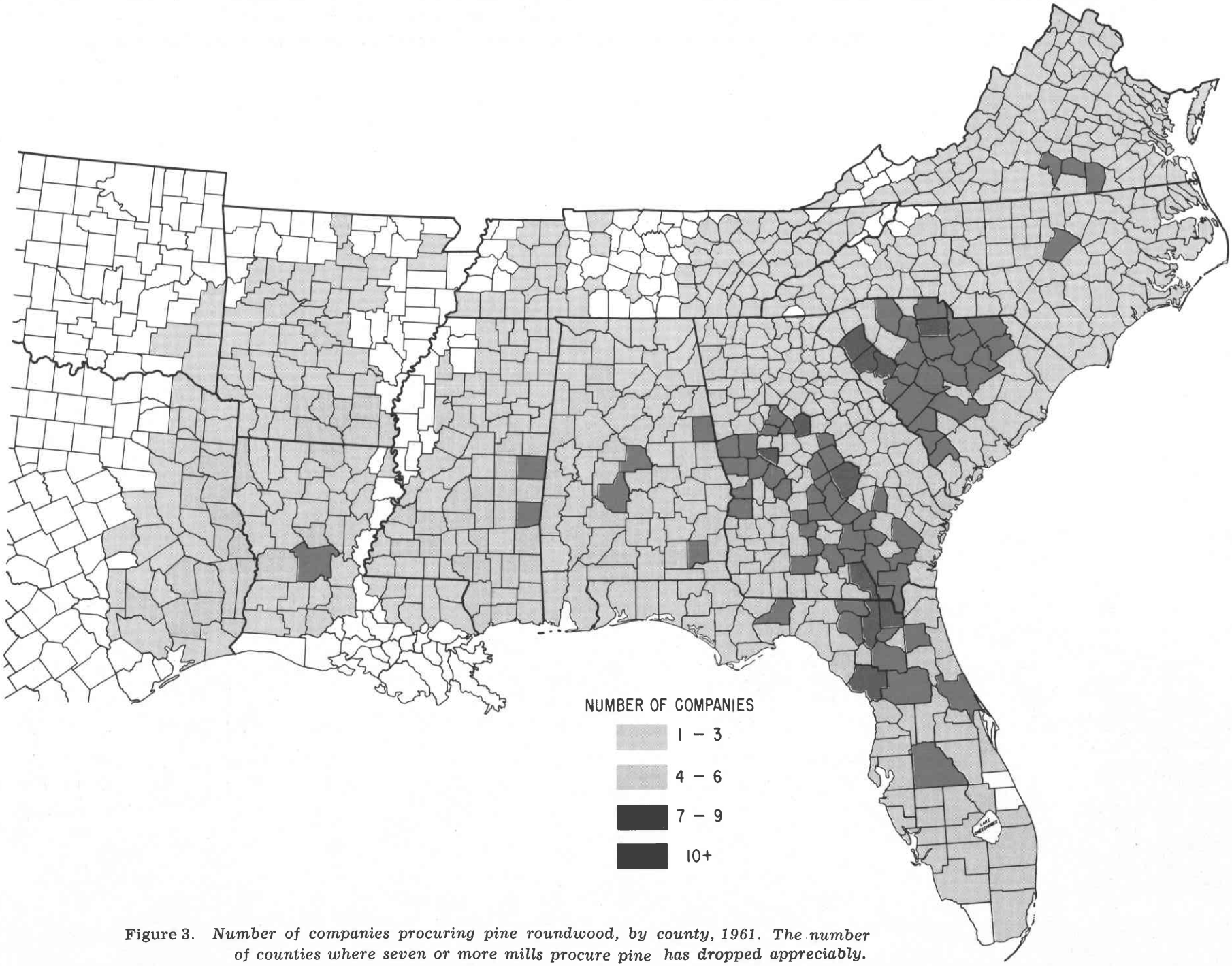

Figure 3. *Number of companies procuring pine roundwood, by county, 1961. The number of counties where seven or more mills procure pine has dropped appreciably.*

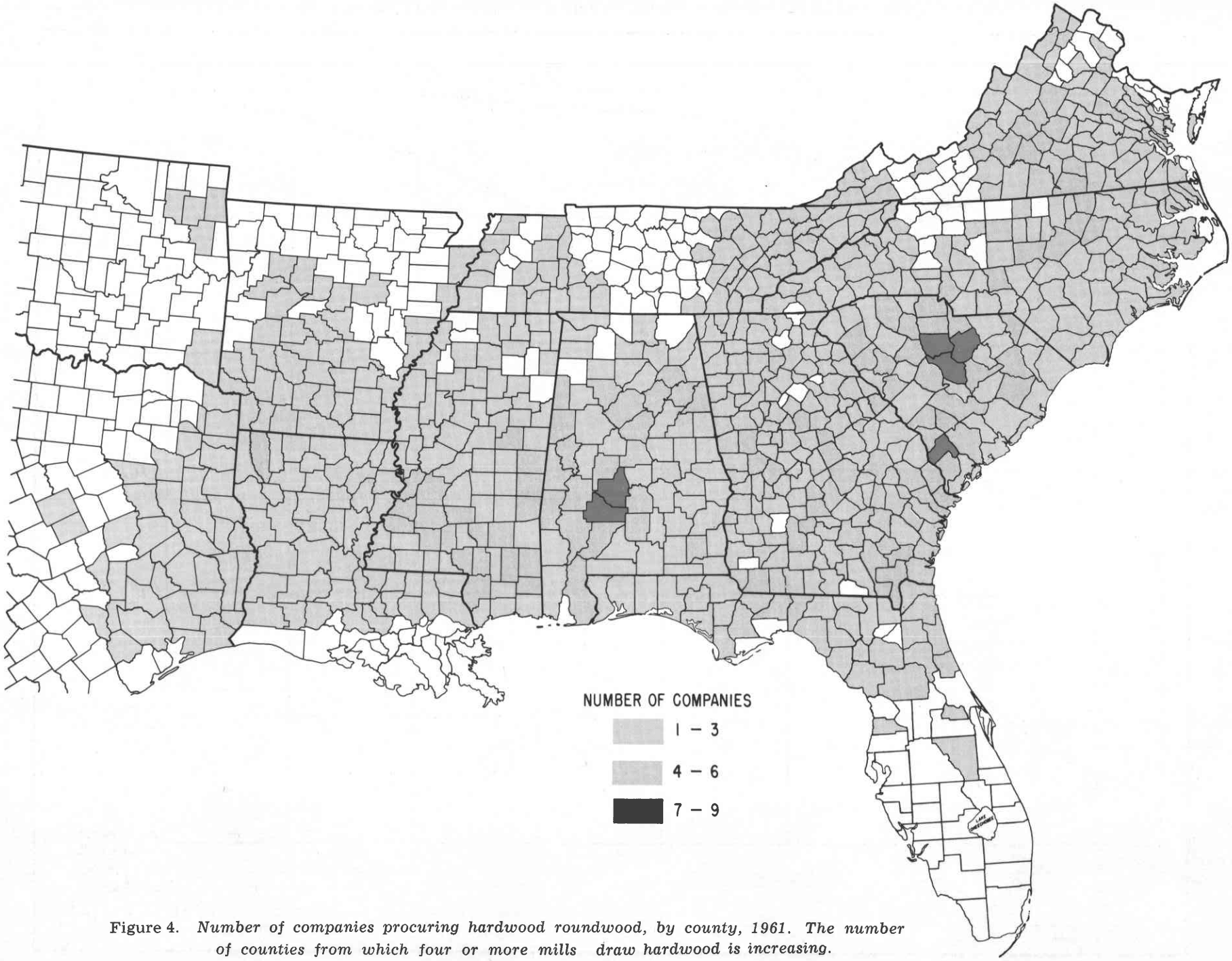

Figure 4. *Number of companies procuring hardwood roundwood, by county, 1961. The number of counties from which four or more mills draw hardwood is increasing.*

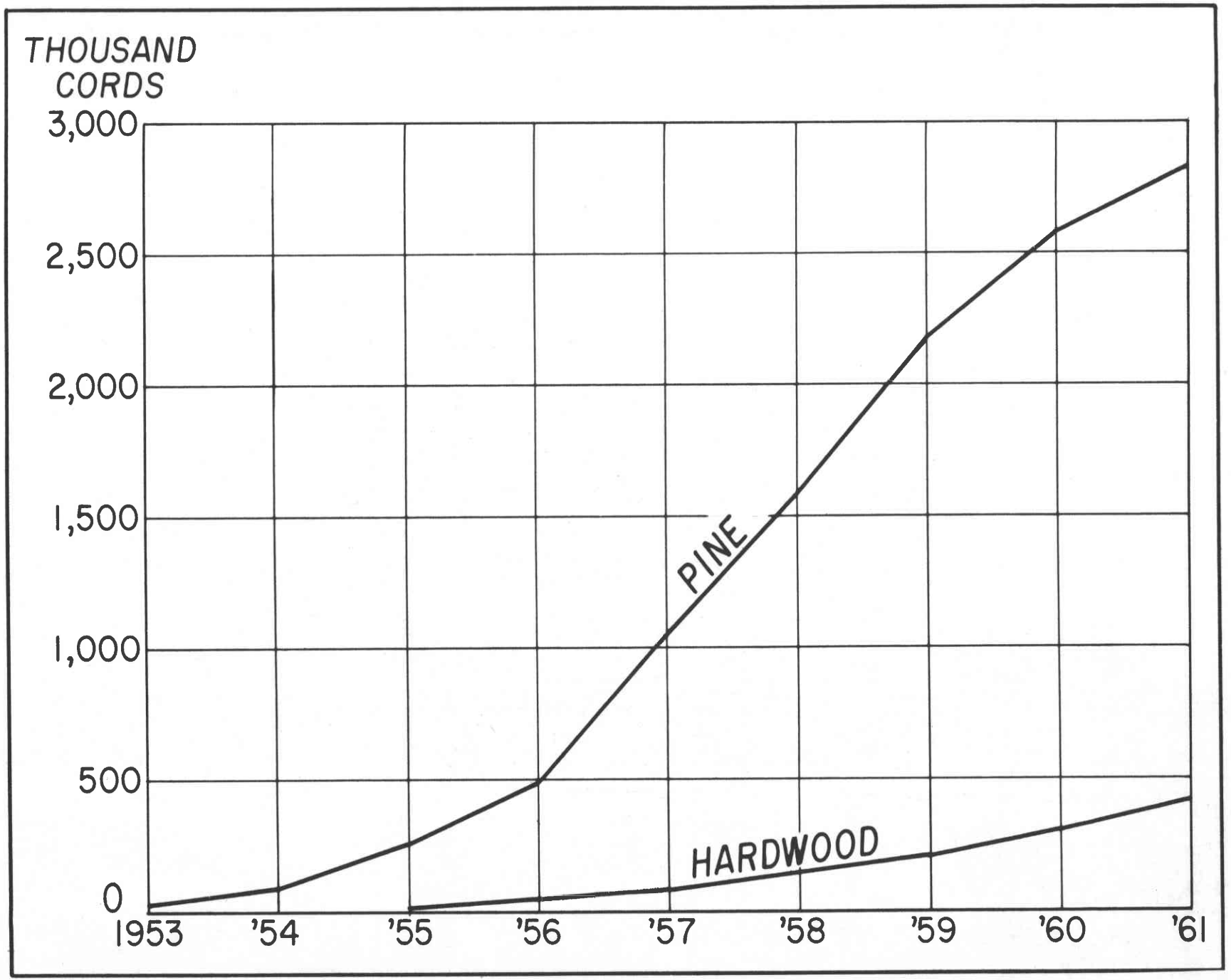

Figure 5. *Pine chip production has slowed during the past 2 years. Hardwood chips continue to rise.*

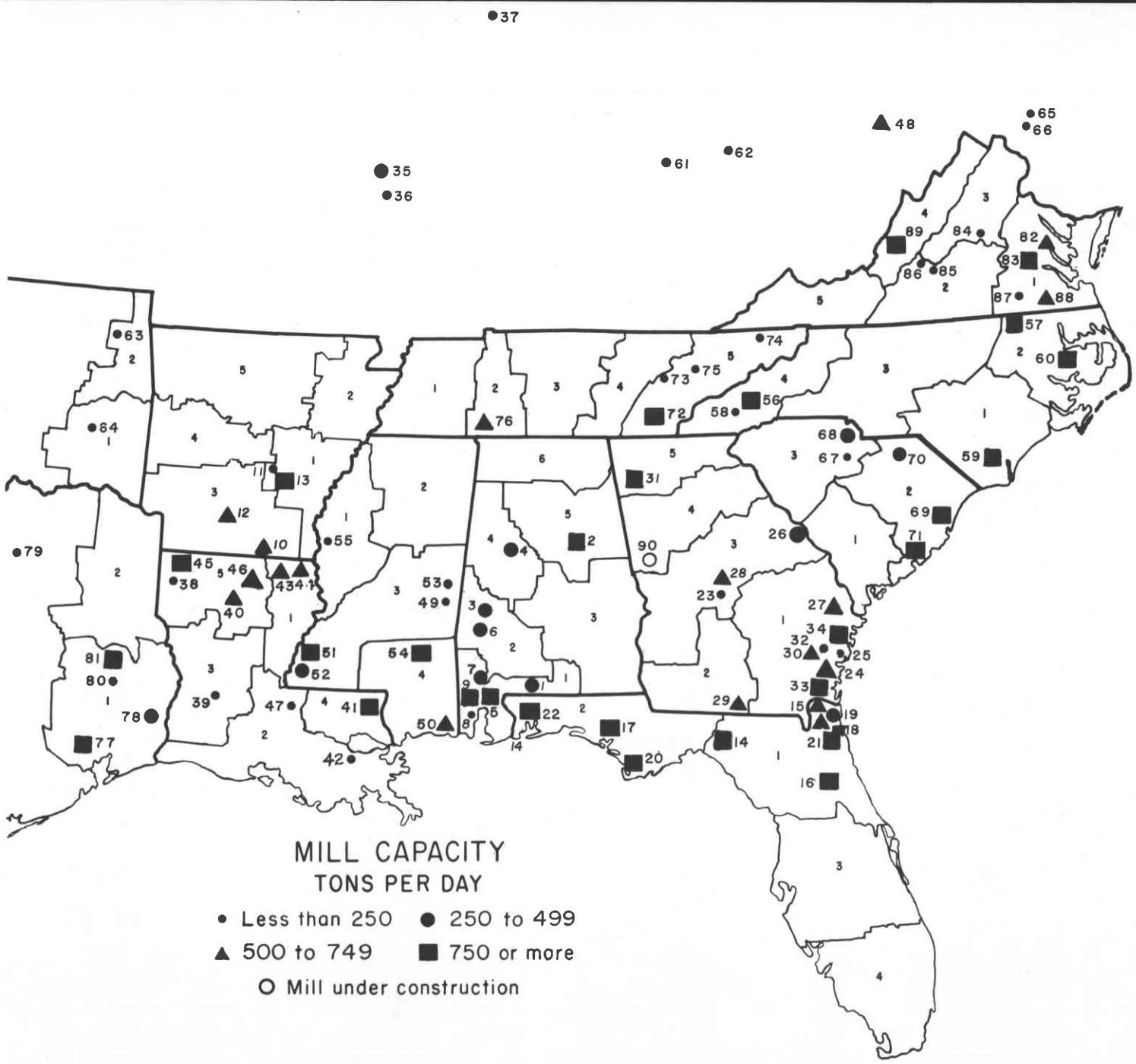

Figure 6. *Mills using southern pulpwood in 1961 and those under construction. Numbered areas are Forest Survey units. Small numbers at mill locations correspond to numbers in table 18.*

DETAILED TABLES

Table 1. *Round pulpwood production in the South, by State and species group, 1961 and 1960*

State	Change from 1960	1961			1960		
		All species	Pine	Hardwood	All species	Pine	Hardwood
	Percent	*Thousand cords*					
Alabama	+8	2,805.6	2,168.9	636.7	2,593.7	2,016.4	577.3
Arkansas	+2	1,235.8	987.0	248.8	1,216.4	983.2	233.2
Florida	+7	2,058.8	1,954.4	104.4	1,923.9	1,825.2	98.7
Georgia	(1)	4,406.0	3,923.9	482.1	4,410.1	4,004.7	405.4
Louisiana	−1	1,630.3	1,306.2	324.1	1,645.6	1,290.9	354.7
Mississippi	−3	1,718.9	889.4	829.5	1,774.3	956.0	818.3
North Carolina	(1)	1,879.9	1,430.4	449.5	1,887.9	1,486.2	401.7
Oklahoma	−42	22.5	13.3	9.2	38.6	30.1	8.5
South Carolina	+3	1,964.7	1,535.7	429.0	1,901.8	1,515.0	386.8
Tennessee	+14	403.8	214.8	189.0	353.4	188.8	164.6
Texas	(1)	1,130.5	906.9	223.6	1,134.5	916.6	217.9
Virginia	−3	1,662.2	1,190.0	472.2	1,715.3	1,277.8	437.5
All states	+2	20,919.0	16,520.9	4,398.1	20,595.5	16,490.9	4,104.6

[1] Negligible.

Table 2. *Wood residues used for pulp manufacture in the South, by State and species group, 1961 and 1960*

State	Change from 1960	1961			1960		
		All species	Pine	Hardwood	All species	Pine	Hardwood
	Percent	*Thousand cords*					
Alabama	+16	494.8	395.9	98.9	426.0	354.6	71.4
Arkansas	+20	407.0	385.8	21.2	339.5	329.5	10.0
Florida	+17	206.6	180.9	25.7	176.5	164.0	12.5
Georgia	+10	543.1	463.7	79.4	495.7	439.7	56.0
Louisiana	−2	207.2	182.6	24.6	211.3	182.4	28.9
Mississippi	(1)	199.9	155.9	44.0	199.3	152.7	46.6
North Carolina	+7	412.0	342.0	70.0	385.7	325.0	[2] 60.7
Oklahoma	+23	17.9	17.9	...	14.5	14.5	...
South Carolina	+13	326.0	260.9	65.1	288.6	239.0	49.6
Tennessee	+75	14.7	4.1	10.6	8.4	1.1	7.3
Texas	+7	311.0	288.8	22.2	291.9	276.1	15.8
Virginia	+45	171.5	153.7	17.8	118.1	105.0	13.1
All states	+12	3,311.7	2,832.2	479.5	2,955.5	2,583.6	371.9

[1] Negligible.
[2] Includes 223 cords of hemlock.

Table 3. *Wood residues used for pulp manufacture in the South, by State and type of residue, 1961*

State	All types	Chips			Other residues [1]		
		All species	Pine	Hardwood	All species	Pine	Hardwood
	Thousand cords						
Alabama	494.8	488.2	394.3	93.9	6.6	1.6	5.0
Arkansas	407.0	396.7	384.5	12.2	10.3	1.3	9.0
Florida	206.6	206.0	180.9	25.1	0.6	...	0.6
Georgia	543.1	525.2	462.3	62.9	17.9	1.4	16.5
Louisiana	207.2	204.7	182.2	22.5	2.5	0.4	2.1
Mississippi	199.9	191.9	154.8	37.1	8.0	1.1	6.9
North Carolina	412.0	396.4	341.5	54.9	15.6	0.5	15.1
Oklahoma	17.9	17.9	17.9	...	...	...	...
South Carolina	326.0	317.9	260.2	57.7	8.1	0.7	7.4
Tennessee	14.7	13.8	4.1	9.7	0.9	...	0.9
Texas	311.0	307.7	287.3	20.4	3.3	1.5	1.8
Virginia	171.5	168.7	153.7	15.0	2.8	...	2.8
All states	3,311.7	3,235.1	2,823.7	411.4	76.6	8.5	68.1

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

Table 4. *Southern pulpwood production by State and survey unit, 1961*

Round pulpwood and residues	Survey Unit [1]	All species	Pine	Hardwood
	Number	*Standard cords*		
SOUTH				
Roundwood		20,919,012	16,520,907	4,398,105
Wood residues		3,311,716	2,832,236	479,480
All pulpwood		24,230,728	19,353,143	4,877,585
SOUTHEASTERN STATION				
FLORIDA				
Roundwood	1	1,306,375	1,243,707	62,668
	2	576,217	534,926	41,291
	3	149,503	149,102	401
	4	26,654	26,654	...
Total		2,058,749	1,954,389	104,360
Wood residues		206,680	180,974	25,706
All pulpwood		2,265,429	2,135,363	130,066
GEORGIA				
Roundwood	1	1,928,112	1,636,582	291,530
	2	427,546	400,817	26,729
	3	1,300,387	1,203,903	96,484
	4	552,413	510,980	41,433
	5	197,552	171,576	25,976
Total		4,406,010	3,923,858	482,152
Wood residues		543,076	463,663	79,413
All pulpwood		4,949,086	4,387,521	561,565
NORTH CAROLINA				
Roundwood	1	591,762	487,545	104,217
	2	455,278	373,265	82,013
	3	512,863	426,043	86,820
	4	320,022	143,552	176,470
Total		1,879,925	1,430,405	449,520
Wood residues		411,966	342,013	69,953
All pulpwood		2,291,891	1,772,418	519,473
SOUTH CAROLINA				
Roundwood	1	460,963	358,674	102,289
	2	689,317	448,532	240,785
	3	814,463	728,553	85,910
Total		1,964,743	1,535,759	428,984
Wood residues		325,967	260,876	65,091
All pulpwood		2,290,710	1,796,635	494,075
VIRGINIA				
Roundwood	1	598,602	487,926	110,676
	2	508,873	422,615	86,258
	3	258,434	194,302	64,132
	4	244,403	70,619	173,784
	5	51,897	14,559	37,338
Total		1,662,209	1,190,021	472,188
Wood residues		171,491	153,664	17,827
All pulpwood		1,833,700	1,343,685	490,015

[1] For location of survey units, see figures 6 and 7.

Round pulpwood and residues	Survey Unit [1]	All species	Pine	Hardwood
	Number	*Standard cords*		
SOUTHERN STATION				
ALABAMA				
Roundwood	1	516,168	390,498	125,670
	2	750,969	471,212	279,757
	3	741,282	599,538	141,744
	4	280,925	238,571	42,354
	5	466,537	422,872	43,665
	6	49,718	46,157	3,561
Total		2,805,599	2,168,848	636,751
Wood residues		494,793	395,959	98,834
All pulpwood		3,300,392	2,564,807	735,585
ARKANSAS				
Roundwood	1	66,990	28,006	38,984
	2	8,355	628	7,727
	3	1,016,821	829,537	187,284
	4	114,933	101,985	12,948
	5	28,729	26,888	1,841
Total		1,235,828	987,044	248,784
Wood residues		406,997	385,769	21,228
All pulpwood		1,642,825	1,372,813	270,012
LOUISIANA				
Roundwood	1	118,188	46,639	71,549
	2	19,049	6,649	12,400
	3	341,868	296,437	45,431
	4	229,431	183,410	46,021
	5	921,741	773,087	148,654
Total		1,630,277	1,306,222	324,055
Wood residues		207,199	182,577	24,622
All pulpwood		1,837,476	1,488,799	348,677
MISSISSIPPI				
Roundwood	1	70,235	4,895	65,340
	2	174,687	116,330	58,357
	3	541,499	295,561	245,938
	4	567,138	334,525	232,613
	5	365,337	138,030	227,307
Total		1,718,896	889,341	829,555
Wood residues		199,876	155,906	43,970
All pulpwood		1,918,772	1,045,247	873,525
OKLAHOMA [2]				
Roundwood		22,492	13,317	9,175
Wood residues		17,929	17,929	...
All pulpwood		40,421	31,246	9,175
TENNESSEE				
Roundwood	1	26,879	13,796	13,083
	2	10,479	7,953	2,526
	3	262	262	...
	4	82,691	40,427	42,264
	5	283,479	152,333	131,146
Total		403,790	214,771	189,019
Wood residues		14,675	4,093	10,582
All pulpwood		418,465	218,864	199,601
TEXAS				
Roundwood	1	723,803	547,307	176,496
	2	384,190	343,815	40,375
	3	22,501	15,810	6,691
Total		1,130,494	906,932	223,562
Wood residues		311,067	288,813	22,254
All pulpwood		1,441,561	1,195,745	245,816

[2] All units.

Figure 7. *Southern coun*

and Forest Survey units.

Table 5. *Southern pulpwood production by Experiment Station territory, 1961*

Station and source of wood	All species	Pine	Hardwood
	– – – Standard cords – – –		
Southeastern			
Roundwood	11,971,636	10,034,432	1,937,204
Residues	1,659,180	1,401,190	257,990
Total	13,630,816	11,435,622	2,195,194
Southern			
Roundwood	8,947,376	6,486,475	2,460,901
Residues	1,652,536	1,431,046	221,490
Total	10,599,912	7,917,521	2,682,391
All pulpwood	24,230,728	19,353,143	4,877,585

Table 6. *Round pulpwood production in Alabama, 1961*

County	All species	Pine	Hardwood
	– – – Standard cords – – –		
Autauga	11,371	10,985	386
Baldwin	171,485	123,522	47,963
Barbour	42,864	35,536	7,328
Bibb	40,005	36,320	3,685
Blount	5,034	5,024	10
Bullock	29,366	24,137	5,229
Butler	60,539	43,573	16,966
Calhoun	45,875	41,212	4,663
Chambers	18,694	16,999	1,695
Cherokee	24,267	16,196	8,071
Chilton	19,886	14,651	5,235
Choctaw	152,785	78,056	74,729
Clarke	119,509	71,718	47,791
Clay	39,606	34,084	5,522
Cleburne	37,471	31,853	5,618
Coffee	29,858	24,610	5,248
Colbert	3,605	3,191	414
Conecuh	88,890	71,617	17,273
Coosa	50,284	45,104	5,180
Covington	48,865	44,260	4,605
Crenshaw	31,672	22,428	9,244
Cullman	5,084	5,029	55
Dale	45,991	36,463	9,528
Dallas	21,994	16,996	4,998
De Kalb	12,270	11,022	1,248
Elmore	28,486	28,292	194
Escambia	63,346	51,724	11,622
Etowah	32,366	29,092	3,274
Fayette	25,612	24,956	656
Franklin	11,209	10,065	1,144
Geneva	24,569	22,924	1,645
Greene	24,287	16,413	7,874
Hale	24,227	17,286	6,941
Henry	36,541	31,217	5,324
Houston	20,474	16,268	4,206
Jackson	5,342	5,342	...
Jefferson	34,185	33,689	496
Lamar	19,440	18,565	875
Lauderdale	472	347	125
Lawrence	2,051	2,051	...
Lee	52,695	45,213	7,482
Limestone	3,487	3,487	...
Lowndes	47,895	35,673	12,222
Macon	15,701	15,225	476
Madison	904	820	84
Marengo	86,770	60,267	26,503
Marion	8,194	8,194	...
Marshall	8,125	7,986	139
Mobile	127,138	95,860	31,278
Monroe	113,585	84,122	29,463
Montgomery	42,503	28,653	13,850
Morgan	2,253	1,846	407
Perry	27,425	19,468	7,957
Pickens	47,025	36,074	10,951
Pike	48,692	31,798	16,894
Randolph	28,553	27,567	986
Russell	36,791	33,964	2,827
St. Clair	33,433	30,676	2,757
Shelby	48,144	44,856	3,288
Sumter	72,698	39,304	33,394
Talladega	38,482	35,986	2,496
Tallapoosa	74,700	63,933	10,767
Tuscaloosa	64,710	61,295	3,415
Walker	37,850	36,669	1,181
Washington	105,334	75,132	30,202
Wilcox	116,732	66,128	50,604
Winston	5,903	5,835	68
All counties	2,805,599	2,168,848	636,751

Table 7. *Round pulpwood production in Arkansas, 1961*

County	All species	Pine	Hardwood
	– – – Standard cords – – –		
Arkansas	...	...	...
Ashley	114,706	87,143	27,563
Baxter	133	133	...
Benton	...	...	...
Boone	...	...	...
Bradley	48,637	41,698	6,939
Calhoun	47,045	44,736	2,309
Carroll	...	...	...
Chicot	4,379	15	4,364
Clark	64,478	52,164	12,314
Clay	...	...	...
Cleburne	1,289	1,289	...
Cleveland	34,249	27,908	6,341
Columbia	86,746	76,559	10,187
Conway	2,669	2,499	170
Craighead	588	588	...
Crawford	...	...	...
Crittenden	4,220	...	4,220
Cross	...	...	...
Dallas	58,857	48,807	10,050
Desha	14,623	...	14,623
Drew	68,038	31,412	36,626
Faulkner	32	29	3
Franklin	241	241	...
Fulton	...	...	...
Garland	20,743	19,259	1,484
Grant	99,939	84,348	15,591
Greene	40	40	...
Hempstead	35,617	29,652	5,965
Hot Spring	36,455	28,717	7,738
Howard	15,810	13,839	1,971
Independence	509	509	...
Izard	...	...	...
Jackson	...	...	...
Jefferson	28,848	20,694	8,154
Johnson	7,158	7,147	11
Lafayette	32,478	24,001	8,477
Lawrence	...	...	...
Lee	1,015	...	1,015
Lincoln	12,458	7,297	5,161
Little River	10,635	9,999	636
Logan	3,924	3,870	54
Lonoke	...	...	...
Madison	...	...	...
Marion	...	...	...
Miller	35,084	22,206	12,878
Mississippi	3,507	...	3,507
Monroe	...	...	...
Montgomery	23,357	21,744	1,613
Nevada	29,963	27,499	2,464
Newton	...	...	...
Ouachita	60,936	51,508	9,428
Perry	15,174	15,174	...
Phillips	5,667	...	5,667
Pike	26,202	22,088	4,114
Poinsett	...	...	...
Polk	539	539	...
Pope	14,097	13,204	893
Prairie	...	...	...
Pulaski	2,596	2,275	321
Randolph	...	...	...
St. Francis	...	...	...
Saline	34,479	25,942	8,537
Scott	1,283	1,283	...
Searcy	...	...	...
Sebastian	...	...	...
Sevier	12,755	11,690	1,065
Sharp	...	...	...
Stone	46	46	...
Union	98,191	93,563	4,628
Van Buren	89	89	...
Washington	...	...	...
White	2,466	1,702	764
Woodruff	...	...	...
Yell	12,838	11,899	939
All counties	1,235,828	987,044	248,784

Table 8. *Round pulpwood production in Florida, 1961*

County	All species	Pine	Hardwood
	– – – Standard cords – – –		
Alachua	37,817	37,440	377
Baker	74,954	74,870	84
Bay	36,588	35,207	1,381
Bradford	57,618	57,618	...
Brevard	9,464	9,464	...
Broward	13	13	...
Calhoun	33,933	29,609	4,324
Charlotte	10,437	10,437	...
Citrus	3,178	3,178	...
Clay	65,922	64,363	1,559
Collier	4,663	4,663	...
Columbia	78,363	72,032	6,331
Dade	5,656	5,656	...
De Soto	4,745	4,745	...
Dixie	47,563	47,215	348
Duval	83,793	82,380	1,413
Escambia	81,607	79,592	2,015
Flagler	64,916	58,487	6,429
Franklin	16,909	16,909	...
Gadsden	29,319	26,369	2,950
Gilchrist	8,471	7,084	1,387
Glades	262	262	...
Gulf	18,848	18,564	284
Hamilton	97,482	90,352	7,130
Hardee	13,320	13,320	...
Hendry	155	155	...
Hernando	10,578	10,234	344
Highlands	3,250	3,250	...
Hillsborough	14,966	14,966	...
Holmes	31,654	27,220	4,434
Indian River	...	...	...
Jackson	44,739	35,834	8,905
Jefferson	23,794	21,361	2,433
Lafayette	48,205	48,205	...
Lake	9,370	9,370	...
Lee	5,129	5,129	...
Leon	29,211	28,975	236
Levy	32,636	30,500	2,136
Liberty	26,828	24,457	2,371
Madison	41,896	41,863	33
Manatee	1,402	1,402	...
Marion	75,799	69,867	5,932
Martin	279	279	...
Monroe	...	...	...
Nassau	106,581	96,799	9,782
Okaloosa	11,688	11,262	426
Okeechobee	1,662	1,662	...
Orange	1,759	1,759	...
Osceola	25,660	25,623	37
Palm Beach	60	60	...
Pasco	4,859	4,859	...
Pinellas	167	167	...
Polk	33,099	33,099	...
Putnam	66,714	55,610	11,104
St. Johns	98,180	97,144	1,036
St. Lucie	...	...	...
Santa Rosa	86,520	85,194	1,326
Sarasota	2,120	2,120	...
Seminole	6,509	6,489	20
Sumter	3,395	3,395	...
Suwannee	25,766	18,878	6,888
Taylor	95,756	95,057	699
Union	30,300	30,300	...
Volusia	67,643	67,643	...
Wakulla	27,331	27,331	...
Walton	37,305	33,300	4,005
Washington	39,943	33,742	6,201
All counties	2,058,749	1,954,389	104,360

Table 9. *Round pulpwood production in Georgia, 1961*

County	All species	Pine	Hardwood
	– – – Standard cords – – –		
Appling	80,634	76,565	4,069
Atkinson	57,546	54,343	3,203
Bacon	41,486	39,691	1,795
Baker	7,168	6,858	310
Baldwin	48,208	45,980	2,228
Banks	3,364	3,353	11
Barrow	810	789	21
Bartow	13,131	11,122	2,009
Ben Hill	16,861	15,634	1,227
Berrien	54,956	49,944	5,012
Bibb	8,022	6,796	1,226
Bleckley	9,033	7,200	1,833
Brantley	89,414	78,222	11,192
Brooks	24,643	23,236	1,407
Bryan	65,211	51,908	13,303
Bulloch	41,296	28,309	12,987
Burke	28,695	22,471	6,224
Butts	23,321	22,299	1,022
Calhoun	18,344	16,528	1,816
Camden	146,234	116,613	29,621
Candler	17,815	14,793	3,022
Carroll	26,552	23,424	3,128
Catoosa	4,066	3,891	175
Charlton	78,975	71,311	7,664
Chatham	21,998	11,619	10,379
Cattahoochee	17,565	17,113	452
Chattooga	6,770	6,217	553
Cherokee	20,202	19,576	626
Clarke	1,480	1,480	...
Clay	6,792	6,246	546
Clayton	1,417	1,411	6
Clinch	129,621	129,600	21
Cobb	15,051	13,933	1,118
Coffee	63,602	56,339	7,263
Colquitt	28,932	27,329	1,603
Columbia	18,964	15,787	3,177
Cook	16,617	16,567	50
Coweta	18,202	15,715	2,487
Crawford	30,803	27,571	3,232
Crisp	12,050	11,173	877
Dade	343	308	35
Dawson	4,725	4,667	58
Decatur	26,944	25,770	1,174
De Kalb	4,625	4,582	43
Dodge	47,815	42,120	5,695
Dooly	10,579	10,146	433
Dougherty	46,729	46,620	109
Douglas	21,144	17,945	3,199
Early	25,136	22,749	2,387
Echols	80,831	80,831	...
Effingham	57,729	43,810	13,919
Elbert	26,173	21,880	4,293
Emanuel	39,430	34,865	4,565
Evans	20,127	15,793	4,334
Fannin	5,391	4,737	654
Fayette	22,942	22,500	442
Floyd	33,290	24,373	8,917
Forsyth	4,643	4,598	45
Franklin	8,032	7,792	240
Fulton	16,701	15,999	702
Gilmer	10,961	10,764	197
Glascock	4,752	4,340	412
Glynn	54,897	43,291	11,606
Gordon	19,296	17,989	1,307
Grady	22,538	19,700	2,838
Greene	48,551	43,633	4,918
Gwinnett	22,841	21,882	959
Habersham	11,474	11,424	50
Hall	18,710	18,642	68
Hancock	29,541	27,646	1,895
Haralson	19,518	17,516	2,002
Harris	44,399	39,673	4,726
Hart	3,859	3,785	74
Heard	10,856	9,747	1,109
Henry	27,519	27,272	247
Houston	17,505	15,969	1,536
Irwin	10,366	9,219	1,147
Jackson	17,065	16,797	268
Jasper	42,752	39,673	3,079
Jeff Davis	44,364	41,106	3,258
Jefferson	30,909	26,606	4,303
Jenkins	13,654	10,458	3,196
Johnson	11,771	10,452	1,319
Jones	72,584	63,339	9,245
Lamar	22,986	22,080	906
Lanier	25,217	24,900	317
Laurens	22,820	17,217	5,603
Lee	4,594	4,594	...
Liberty	81,115	43,781	37,334
Lincoln	16,488	14,496	1,992
Long	58,287	41,597	16,690
Lowndes	13,119	12,867	252
Lumpkin	7,354	7,354	...
McDuffie	36,596	32,922	3,674
Mc Intosh	35,213	25,945	9,268
Macon	22,927	22,566	361
Madison	5,476	5,444	32
Marion	14,831	14,810	21
Meriwether	49,401	42,652	6,749
Miller	9,279	9,279	...
Mitchell	19,436	16,875	2,561
Monroe	53,640	49,119	4,521
Montgomery	24,627	18,257	6,370
Morgan	29,792	27,508	2,284
Murray	7,046	6,455	591
Muscogee	9,607	9,462	145
Newton	25,127	24,646	481
Oconee	17,762	16,584	1,178
Oglethorpe	21,909	21,382	527
Paulding	33,167	25,968	7,199
Peach	10,230	9,877	353
Pickens	7,391	6,744	647
Pierce	57,522	56,283	1,239
Pike	10,104	9,945	159
Polk	17,880	15,316	2,564
Pulaski	5,828	4,990	838
Putnam	32,708	31,338	1,370
Quitman	9,317	8,681	636
Rabun	9,656	1,715	7,941
Randolph	24,255	22,137	2,118
Richmond	17,774	15,933	1,841
Rockdale	1,886	1,886	...
Schley	13,057	12,971	86
Screven	25,723	16,765	8,958
Seminole	8,373	7,569	804
Spalding	10,480	9,921	559
Stephens	7,527	7,208	319
Stewart	72,777	71,609	1,168
Sumter	15,470	15,414	56
Talbot	48,826	43,723	5,103
Taliaferro	15,351	12,955	2,396
Tattnall	25,286	18,895	6,391
Taylor	26,300	25,441	859

Table 9. *Round pulpwood production in Georgia, 1961* (Continued)

County	All species	Pine	Hardwood
	– – – Standard cords – – –		
Telfair	61,232	49,058	12,174
Terrell	4,212	4,138	74
Thomas	18,523	17,123	1,400
Tift	17,004	16,533	471
Toombs	27,626	20,637	6,989
Towns	421	421	...
Treutlen	15,901	11,249	4,652
Troup	73,189	71,507	1,682
Turner	14,893	14,215	678
Twiggs	33,130	31,402	1,728
Union	1,441	1,300	141
Upson	49,586	46,363	3,223
Walker	10,619	9,810	809
Walton	4,632	4,632	...
Ware	129,241	126,418	2,823
Warren	23,266	21,556	1,710
Washington	31,972	29,985	1,987
Wayne	116,503	104,137	12,366
Webster	6,594	6,591	3
Wheeler	42,566	34,304	8,262
White	3,256	3,252	4
Whitfield	13,192	12,249	943
Wilcox	26,437	24,883	1,554
Wilkes	37,570	36,220	1,350
Wilkinson	53,130	49,587	3,543
Worth	18,475	18,248	227
All counties	4,406,010	3,923,858	482,152

Table 10. *Round pulpwood production in Louisiana, 1961*

Parish	All species	Pine	Hardwood
	– – – Standard cords – – –		
Acadia	3,828	3,729	99
Allen	31,814	28,505	3,309
Ascension	...	...	...
Assumption	..	...	...
Avoyelles	1,972	1,892	80
Beauregard	23,046	20,508	2,538
Bienville	109,624	93,212	16,412
Bossier	64,478	50,570	13,908
Caddo	23,603	13,385	10,218
Calcasieu	12,824	11,346	1,478
Caldwell	30,736	28,300	2,436
Cameron	...	...	...
Catahoula	15,594	8,890	6,704
Claiborne	88,074	83,085	4,989
Concordia	12,186	...	12,186
De Soto	55,098	45,325	9,773
East Baton Rouge	3,323	585	2,738
East Carroll	3,169	101	3,068
East Feliciana	17,613	9,508	8,105
Evangeline	6,444	6,243	201
Franklin	1,374	1,107	267
Grant	28,624	24,550	4,074
Iberia	...	...	...
Iberville	8	...	8
Jackson	90,724	75,786	14,938
Jefferson	...	...	...
Jefferson Davis	1,679	1,407	272
Lafayette	...	...	...
Lafourche	...	...	...
La Salle	42,556	35,487	7,069
Lincoln	59,893	53,152	6,741
Livingston	66,337	57,653	8,684
Madison	3,044	...	3,044
Morehouse	65,359	36,515	28,844
Natchitoches	53,011	42,305	10,706
Orleans	...	...	...
Ouachita	32,264	24,062	8,202
Plaquemines	...	...	...
Pointe Coupee	1,707	...	1,707
Rapides	61,718	47,483	14,235
Red River	22,008	17,783	4,225
Richland	716	26	690
Sabine	59,080	58,652	428
St. Bernard	...	...	...
St. Charles	...	...	...
St. Helena	17,515	10,542	6,973
St. James	...	...	...
St. John the Baptist	...	...	...
St. Landry	389	78	311
St. Martin	1,124	...	1,124
St. Mary	...	...	...
St. Tammany	20,721	18,997	1,724
Tangipahoa	36,776	28,287	8,489
Tensas	15,897	...	15,897
Terrebonne	...	...	...
Union	167,383	136,897	30,486
Vermilion	...	...	...
Vernon	21,072	19,951	1,121
Washington	67,146	57,838	9,308
Webster	53,798	40,853	12,945
West Baton Rouge	1,671	...	1,671
West Carroll	849	...	849
West Feliciana	8,350	950	7,400
Winn	124,058	110,677	13,381
All parishes	1,630,277	1,306,222	324,055

Table 11. *Round pulpwood production in Mississippi, 1961*

County	All species	Pine	Hardwood
	– – – Standard cords – – –		
Adams	29,913	4,155	25,758
Alcorn	6,627	5,591	1,036
Amite	35,978	15,626	20,352
Attala	25,336	10,777	14,559
Benton	2,012	1,352	660
Bolivar	6,097	...	6,097
Calhoun	1,292	102	1,190
Carroll	9,923	1,151	8,772
Chickasaw	7,451	7,247	204
Choctaw	14,276	4,396	9,880
Claiborne	39,769	6,689	33,080
Clarke	94,922	52,980	41,942
Clay	2,407	2,131	276
Coahoma	192	...	192
Copiah	39,607	15,412	24,195
Covington	33,403	12,357	21,046
De Soto	...	...	...
Forrest	20,893	13,055	7,838
Franklin	52,119	32,446	19,673
George	36,920	22,941	13,979
Greene	63,042	39,196	23,846
Grenada	6,566	2,228	4,338
Hancock	48,856	40,860	7,996
Harrison	25,928	23,246	2,682
Hinds	27,194	6,320	20,874
Holmes	16,558	3,649	12,909
Humphreys	1,408	...	1,408
Issaquena	6,187	...	6,187
Itawamba	5,881	5,128	753
Jackson	57,915	48,723	9,192
Jasper	60,912	30,690	30,222
Jefferson	37,700	12,792	24,908
Jefferson Davis	7,283	3,576	3,707
Jones	51,424	17,398	34,026
Kemper	33,014	22,965	10,049
Lafayette	10,744	9,217	1,527
Lamar	20,965	9,294	11,671
Lauderdale	53,046	33,709	19,337
Lawrence	26,775	12,399	14,376
Leake	33,859	15,201	18,658
Lee	1,931	1,931	...
Leflore	593	2	591
Lincoln	42,258	23,322	18,936
Lowndes	4,074	3,953	121
Madison	11,579	5,640	5,939
Marion	30,019	8,353	21,666
Marshall	9,121	5,912	3,209
Monroe	9,227	9,227	...
Montgomery	5,080	1,235	3,845
Neshoba	28,634	13,298	15,336
Newton	33,293	20,266	13,027
Noxubee	13,748	13,493	255
Oktibbeha	5,848	2,992	2,856
Panola	2,410	...	2,410
Pearl River	30,403	15,625	14,778
Perry	22,770	15,537	7,233
Pike	19,747	7,614	12,133
Pontotoc	4,130	4,130	...
Prentiss	8,728	6,744	1,984
Quitman	2	2	...
Rankin	40,342	18,193	22,149
Scott	32,782	21,566	11,216
Sharkey	3,821	...	3,821
Simpson	32,792	16,008	16,784
Smith	24,002	10,770	13,232
Stone	27,028	18,748	8,280
Sunflower	541	...	541
Tallahatchie	2,161	50	2,111
Tate	...	...	...
Tippah	10,342	9,272	1,070
Tishomingo	13,661	11,429	2,232
Tunica	283	...	283
Union	3,813	3,784	29
Walthall	14,139	3,531	10,608
Warren	25,509	899	24,610
Washington	2,388	...	2,388
Wayne	49,375	29,686	19,689
Webster	20,632	12,297	8,335
Wilkinson	29,473	8,014	21,459
Winston	34,817	15,645	19,172
Yalobusha	8,511	4,881	3,630
Yazoo	4,495	293	4,202
All counties	1,718,896	889,341	829,555

Table 12. *Round pulpwood production in North Carolina, 1961*

County	All species	Pine	Hardwood
	– – – Standard cords – – –		
Alamance	3,762	3,249	513
Alexander	5,075	5,075	...
Alleghany	...	...	...
Anson	48,757	31,926	16,831
Ashe	...	...	...
Avery	858	5	853
Beaufort	48,988	37,557	11,431
Bertie	25,115	22,172	2,943
Bladen	70,978	45,481	25,497
Brunswick	68,066	62,327	5,739
Buncombe	54,876	18,086	36,790
Burke	29,261	21,508	7,753
Cabarrus	10,634	9,246	1,388
Caldwell	17,804	15,796	2,008
Camden	2,412	1,796	616
Carteret	37,569	37,429	140
Caswell	1,820	1,818	2
Catawba	3,055	3,055	...
Chatham	42,363	30,176	12,187
Cherokee	41,912	31,182	10,730
Chowan	7,732	4,183	3,549
Clay	...	...	...
Cleveland	12,345	11,962	383
Columbus	62,606	47,686	14,920
Craven	46,751	40,230	6,521
Cumberland	19,657	17,214	2,443
Currituck	3,833	3,384	449
Dare	7	7	...
Davidson	2,291	2,291	...
Davie	3,929	3,814	115
Duplin	42,739	39,173	3,566
Durham	14,773	14,745	28
Edgecombe	8,892	8,401	491
Forsyth	6,780	6,725	55
Franklin	46,724	39,612	7,112
Gaston	15,361	11,902	3,459
Gates	34,109	19,675	14,434
Graham	4,138	1,098	3,040
Granville	12,354	11,668	686
Greene	1,033	850	183
Guilford	20,731	19,886	845
Halifax	31,653	31,157	496
Harnett	12,570	10,675	1,895
Haywood	13,115	2,936	10,179
Henderson	27,741	8,663	19,078
Hertford	29,383	19,066	10,317
Hoke	8,980	8,638	342
Hyde	22,477	21,477	1,000
Iredell	27,482	19,235	8,247
Jackson	50,469	8,692	41,777
Johnston	7,746	6,349	1,397
Jones	29,700	28,979	721
Lee	13,361	9,075	4,286
Lenoir	11,659	11,637	22
Lincoln	3,658	3,023	635
Mc Dowell	22,438	12,928	9,510
Macon	15,216	4,701	10,515
Madison	7,044	4,383	2,661
Martin	23,810	18,432	5,378
Mecklenburg	17,826	14,830	2,996
Mitchell	1,649	31	1,618
Montgomery	16,958	16,520	438
Moore	19,079	16,998	2,081
Nash	10,460	9,701	759
New Hanover	6,879	6,661	218
Northampton	18,495	17,109	1,386
Onslow	65,669	59,731	5,938
Orange	8,602	7,773	829
Pamlico	13,460	12,153	1,307
Pasquotank	4,020	3,598	422
Pender	51,830	39,510	12,320
Perquimans	3,300	3,000	300
Person	7,849	7,849	...
Pitt	21,997	17,931	4,066
Polk	14,302	5,719	8,583
Randolph	3,957	3,515	442
Richmond	23,120	15,701	7,419
Robeson	29,012	21,768	7,244
Rockingham	10,625	10,625	...
Rowan	5,389	4,967	422
Rutherford	21,700	14,548	7,152
Sampson	34,031	27,748	6,283
Scotland	2,440	1,249	1,191
Stanly	14,227	13,762	465
Stokes	2,279	2,279	...
Surry	8,527	8,527	...
Swain	7,612	4,020	3,592
Transylvania	19,662	4,442	15,220
Tyrrell	34,036	27,430	6,606
Union	26,449	19,620	6,829
Vance	8,480	7,963	517
Wake	38,834	34,549	4,285
Warren	23,238	21,862	1,376
Washington	7,990	2,101	5,889
Watauga	38	...	38
Wayne	10,607	10,095	512
Wilkes	5,081	5,081	...
Wilson	18,789	15,276	3,513
Yadkin	1,727	1,727	...
Yancey	1,108	...	1,108
All counties	1,879,925	1,430,405	449,520

Table 13. *Round pulpwood production in Oklahoma, 1961*

County [1]	All species	Pine	Hardwood
	– – – Standard cords – – –		
Cherokee	3,308	...	3,308
Delaware	2,599	...	2,599
Le Flore	724	724	...
McCurtain	11,658	11,644	14
Mayes	1,627	...	1,627
Pushmataha	949	949	...
Rogers	1,627	...	1,627
All counties	22,492	13,317	9,175

[1] Counties with no pulpwood production are omitted.

Table 14. *Round pulpwood production in South Carolina, 1961*

County	All species	Pine	Hardwood
	– – – Standard cords – – –		
Abbeville	41,020	38,941	2,079
Aiken	36,008	29,173	6,835
Allendale	33,107	25,735	7,372
Anderson	27,432	25,807	1,625
Bamberg	31,743	24,317	7,426
Barnwell	19,175	14,712	4,463
Beaufort	19,517	11,803	7,714
Berkeley	65,763	50,880	14,883
Calhoun	8,630	7,132	1,498
Charleston	64,291	43,198	21,093
Cherokee	13,569	13,495	74
Chester	73,619	62,328	11,291
Chesterfield	47,481	19,911	27,570
Clarendon	27,108	21,064	6,044
Colleton	88,866	71,853	17,013
Darlington	21,514	12,606	8,908
Dillon	15,436	9,097	6,339
Dorchester	66,979	53,721	13,258
Edgefield	55,765	48,482	7,283
Fairfield	139,326	126,936	12,390
Florence	36,676	21,839	14,837
Georgetown	59,676	39,990	19,686
Greenville	20,542	20,283	259
Greenwood	44,524	40,689	3,835
Hampton	50,514	38,229	12,285
Horry	35,883	26,240	9,643
Jasper	51,201	35,380	15,821
Kershaw	104,065	77,815	26,250
Lancaster	58,784	46,480	12,304
Laurens	50,891	46,553	4,338
Lee	17,778	6,961	10,817
Lexington	27,061	23,506	3,555
Mc Cormick	26,087	24,692	1,395
Marion	22,436	9,997	12,439
Marlboro	17,168	8,772	8,396
Newberry	79,681	72,923	6,758
Oconee	25,835	22,015	3,820
Orangeburg	28,162	23,113	5,049
Pickens	6,546	6,087	459
Richland	62,801	46,229	16,572
Saluda	22,100	19,591	2,509
Spartanburg	32,894	28,810	4,084
Sumter	22,347	15,784	6,563
Union	49,667	47,570	2,097
Williamsburg	68,894	38,149	30,745
York	46,181	36,871	9,310
All counties	1,964,743	1,535,759	428,984

Table 15. *Round pulpwood production in Tennessee, 1961*

County	All species	Pine	Hardwood
	– – – Standard cords – – –		
Anderson	10,201	6,312	3,889
Bedford	...	...	...
Benton	2,240	1,864	376
Bledsoe	4,140	2,452	1,688
Blount	13,265	8,180	5,085
Bradley	12,169	8,076	4,093
Campbell	5,849	5,644	205
Cannon	..	...	...
Carroll	872	243	629
Carter	6,635	...	6,635
Cheatham	...	...	...
Chester	1,072	582	490
Claiborne	1,909	1,710	199
Clay	...	...	...
Cocke	15,697	11,829	3,868
Coffee	...	...	...
Crockett	...	...	...
Cumberland	17,388	5,520	11,868
Davidson	...	...	...
Decatur	2,965	2,138	827
De Kalb	...	..	...
Dickson	238	238	...
Dyer	600	...	600
Fayette	45	45	...
Fentress	7,119	5,773	1,346
Franklin	...	...	...
Gibson	19	19	...
Giles	...	...	...
Grainger	3,649	2,872	777
Greene	12,068	5,560	6,508
Grundy	2,464	2,464	...
Hamblen	491	292	199
Hamilton	8,477	6,767	1,710
Hancock	461	...	461
Hardeman	2,416	1,635	781
Hardin	4,608	3,695	913
Hawkins	15,356	5,455	9,901
Haywood	...	...	...
Henderson	7,529	6,133	1,396
Henry	997	855	142
Hickman	...	...	...
Houston	...	...	...
Humphreys	...	...	...
Jackson	...	...	...
Jefferson	529	100	429
Johnson	6,174	...	6,174
Knox	11,417	5,752	5,665
Lake	...	...	...
Lauderdale	1,541	...	1,541
Lawrence	15	...	15
Lewis	182	160	22
Lincoln	...	...	...
Loudon	2,738	1,077	1,661
McMinn	27,404	16,984	10,420
McNairy	4,239	3,347	892
Macon	...	...	...
Madison	839	611	228
Marion	2,301	2,267	34
Marshall	7	7	...
Maury	...	...	...
Meigs	11,540	6,881	4,659
Monroe	34,548	24,945	9,603
Montgomery	17	17	...
Moore	...	...	...
Morgan	26,220	6,417	19,803
Obion	600	...	600
Overton	1,126	1,109	17
Perry	313	...	313
Pickett	...	...	...
Polk	17,565	13,249	4,316
Putnam	518	518	...
Rhea	15,020	4,050	10,970
Roane	6,673	2,727	3,946
Robertson	...	...	...
Rutherford	...	...	...
Scott	10,476	6,292	4,184
Sequatchie	1,097	1,097	...
Sevier	6,313	4,052	2,261
Shelby	3,311	1	3,310
Smith	...	...	...
Stewart	...	...	...
Sullivan	13,227	1,733	11,494
Sumner	...	...	...
Tipton	2,474	...	2,474
Trousdale	...	...	...
Unicoi	6,035	...	6,035
Union	9,097	6,020	3,077
Van Buren	153	153	...
Warren	460	460	...
Washington	14,821	7,710	7,111
Wayne	156	96	60
Weakley	325	325	...
White	3,380	261	3,119
Williamson	...	...	...
Wilson	...	...	...
All counties	403,790	214,771	189,019

Table 16. *Round pulpwood production in Texas, 1961*

County [1]	All species	Pine	Hardwood
	– – – Standard cords – – –		
Anderson	14,537	12,085	2,452
Angelina	49,064	47,072	1,992
Austin	137	. . .	137
Bowie	13,055	11,112	1,943
Brazos	1,008	. . .	1,008
Camp	2,388	2,322	66
Cass	33,043	32,330	713
Chambers	2,816	2,406	410
Cherokee	44,470	41,565	2,905
Falls	157	. . .	157
Fort Bend	584	. . .	584
Franklin	286	286	. . .
Gregg	9,122	7,399	1,723
Grimes	15,438	13,413	2,025
Hardin	37,822	29,140	8,682
Harris	29,151	22,141	7,010
Harrison	34,599	30,437	4,162
Henderson	21	. . .	21
Houston	43,048	36,352	6,696
Jasper	74,182	54,828	19,354
Jefferson	530	95	435
Leon	3,539	2,155	1,384
Liberty	44,429	28,677	15,752
McLennan	368	. . .	368
Marion	21,572	17,458	4,114
Montgomery	64,392	44,821	19,571
Morris	4,265	4,225	40
Nacogdoches	51,759	49,793	1,966
Newton	58,060	36,873	21,187
Orange	8,580	5,076	3,504
Panola	46,962	41,440	5,522
Polk	73,481	57,012	16,469
Red River	896	896	. . .
Rusk	19,780	17,200	2,580
Sabine	39,907	33,226	6,681
San Augustine	49,807	38,819	10,988
San Jacinto	18,151	12,071	6,080
Shelby	53,956	44,315	9,641
Smith	7,785	5,330	2,455
Titus	114	114	. . .
Trinity	42,301	38,195	4,106
Tyler	54,484	34,546	19,938
Upshur	25,494	25,401	93
Walker	33,598	25,957	7,641
Waller	1,249	242	1,007
Wood	107	107	. . .
All counties	1,130,494	906,932	223,562

[1] Counties with no pulpwood production are omitted.

Table 17. *Round pulpwood production in Virginia, 1961*

County [1]	All species	Pine	Hardwood
	– – – Standard cords – – –		
Accomack	4,392	4,392	...
Albemarle	29,316	28,121	1,195
Alleghany	49,537	8,176	41,361
Amelia	20,093	18,123	1,970
Amherst	64,723	23,954	40,769
Appomattox	45,507	27,496	18,011
Arlington	5	5	...
Augusta	21,580	8,905	12,675
Bath	41,153	3,827	37,326
Bedford	55,611	40,534	15,077
Bland	96	31	65
Botetourt	25,816	9,233	16,583
Brunswick	65,356	52,715	12,641
Buchanan	...	...	...
Buckingham	62,971	34,656	28,315
Campbell	52,311	44,892	7,419
Caroline	27,742	27,537	205
Carroll	1,743	1,743	...
Charles City	16,275	12,492	3,783
Charlotte	28,417	26,228	2,189
Chesterfield	28,123	24,427	3,696
Clarke	1,177	1,052	125
Craig	18,074	3,331	14,743
Culpeper	7,033	6,300	733
Cumberland	16,058	15,523	535
Dickenson	280	...	280
Dinwiddie	52,709	39,942	12,767
Elizabeth City	99	99	...
Essex	8,102	8,073	29
Fairfax	4,811	4,811	...
Fauquier	2,917	2,917	...
Floyd	1,038	1,038	...
Fluvanna	18,521	13,627	4,894
Franklin	24,502	24,290	212
Frederick	8,226	6,913	1,313
Giles	6	6	...
Gloucester	14,921	13,868	1,053
Goochland	19,617	19,518	99
Grayson	2	2	...
Greene	4,469	4,469	...
Greensville	36,470	29,480	6,990
Halifax	28,432	27,838	594
Hanover	12,325	11,944	381
Henrico	8,934	8,139	795
Henry	19,992	19,847	145
Highland	13,204	656	12,548
Isle of Wight	15,298	8,459	6,839
James City	9,512	8,138	1,374
King and Queen	26,340	24,720	1,620
King George	22	22	...
King William	18,070	15,034	3,036
Lancaster	17,669	17,669	...
Lee	5,515	2	5,513
Loudoun	3	3	...
Louisa	12,490	11,873	617
Lunenburg	12,967	11,628	1,339
Madison	5,576	5,576	...
Mathews	3,137	2,638	499
Mecklenburg	30,604	28,957	1,647
Middlesex	11,991	11,530	461
Montgomery	3,210	3,210	...
Nansemond	19,281	10,994	8,287
Nelson	28,013	15,936	12,077
New Kent	24,645	20,319	4,326
Norfolk	422	370	52
Northampton	233	108	125
Northumberland	4,685	4,685	...
Nottoway	23,220	19,251	3,969
Orange	9,459	8,836	623
Page	801	762	39
Patrick	6,424	6,424	...
Pittsylvania	39,725	38,287	1,438
Powhatan	15,949	13,772	2,177
Prince Edward	26,090	24,869	1,221
Prince George	30,821	22,850	7,971
Prince William	17,971	17,675	296
Princess Anne	...	...	...
Pulaski	165	165	...
Rappahannock	59	59	...
Richmond	17,433	17,433	...
Roanoke	3,041	2,883	158
Rockbridge	43,146	9,068	34,078
Rockingham	6,654	5,939	715
Russell	1,077	...	1,077
Scott	16,024	...	16,024
Shenandoah	8,639	7,170	1,469
Smyth	3	3	...
Southampton	37,403	22,646	14,757
Spotsylvania	19,229	16,439	2,790
Stafford	14,222	14,183	39
Surry	20,022	14,102	5,920
Sussex	45,508	33,754	11,754
Tazewell	...	...	...
Warren	3,355	2,704	651
Warwick	648	583	65
Washington	7,020	2,675	4,345
Westmoreland	11,702	11,702	...
Wise	10,114	80	10,034
Wythe	5,604	5,604	...
York	8,312	7,062	1,250
All counties	1,662,209	1,190,021	472,188

[1] Includes independent cities.

Table 18. *Mills using southern pulpwood in 1961, by process and capacity* [1]

Location	Map code [2]	Company	Pulp capacity, 24 hours [3]				
			All processes	Sulfate	Groundwood and other mechanical	Semi-chemical	Soda and sulfite
			— — — — — — — — Tons — — — — — — — —				
ALABAMA							
Brewton	(1)	Container Corp. of America	300	300	...	...	...
Coosa Pines	(2)	Coosa River Newsprint Co.	960	320	640	...	...
Demopolis	(3)	Gulf States Paper Corp.	400	400	...	...	...
Tuscaloosa	(4)	Gulf States Paper Corp.	400	400	...	...	...
Mobile	(5)	International Paper Co.	1,315	1,015	300	...	...
Naheola	(6)	Marathon Southern Corp.	420	420	...	...	...
Mobile	(7)	National Gypsum Co.	300	...	150	150	...
Mobile	(8)	The Ruberoid Co.	48	...	48	...	...
Mobile	(9)	Scott Paper Co.	830	830	...	...	...
		Total	4,973	3,685	1,138	150	...
ARKANSAS							
Crossett	(10)	Crossett Paper Mills	655	575	...	80	...
Pine Bluff	(11)	Dierks Paper Co.	150	150	...	...	...
Camden	(12)	International Paper Co.	625	625	...	...	...
Pine Bluff	(13)	International Paper Co.	1,145	745	400	...	...
		Total	2,575	2,095	400	80	...
FLORIDA							
Foley	(14)	The Buckeye Cellulose Corp.	880	880	...	...	...
Fernandina	(15)	Container Corp. of America	650	650	...	...	...
Palatka	(16)	Hudson Pulp and Paper Corp.	850	850	...	...	...
Panama City	(17)	International Paper Co.	1,620	1,620	...	...	...
Jacksonville	(18)	Owens-Illinois Glass Co.	500	500	...	...	...
Fernandina	(19)	Rayonier, Inc.	350	...	...	...	350
Port St. Joe	(20)	St. Joe Paper Co.	1,200	1,200	...	...	...
Jacksonville	(21)	St. Regis Paper Co.	1,500	1,500	...	...	...
Pensacola	(22)	St. Regis Paper Co.	750	750	...	...	...
		Total	8,300	7,950	...	...	350
GEORGIA							
Macon	(23)	Armstrong Cork Co.	200	..	200	...	...
Brunswick	(24)	Brunswick Pulp and Paper Co.	550	550	...	...	...
Savannah	(25)	Certain-teed Products Corp.	65	..	65	...	...
Augusta	(26)	Continental Can Co.	475	350	...	125	...
Savannah	(27)	Continental Can Co.	600	600	...	...	...
Macon	(28)	Georgia Kraft Co.	675	675	...	...	...
Valdosta	(29)	Owens-Illinois Glass Co.	630	630	...	...	...
Jesup	(30)	Rayonier, Inc.	675	675	...	...	...
Rome	(31)	Rome Kraft Co.	1,300	1,300	...	...	...
Savannah	(32)	The Ruberoid Co.	48	...	48	...	...
St. Marys	(33)	St. Marys Kraft Corp.	900	900	...	...	...
Savannah	(34)	Union Bag-Camp Paper Corp.	2,575	2,175	...	400	...
		Total	8,693	7,855	313	525	...
ILLINOIS							
Alton	(35)	Alton Box Board Co.	250	...	...	250	...
East St. Louis	(36)	Certain-teed Products Corp.	85	...	85	...	...
Wilmington	(37)	Lehon Co.	60	..	...	60	...
		Total	395	...	85	310	...
LOUISIANA							
Shreveport	(38)	Bird and Son	60	..	...	60	...
Elizabeth	(39)	Calcasieu Paper Co.	240	240	...	...	...
Hodge	(40)	Continental Can Co., Inc.	640	500	...	140	...
Bogalusa	(41)	Crown Zellerbach Corp.	1,175	1,040	...	135	...
New Orleans	(42)	Flintcote Co.	60	...	60	...	...
Bastrop	(43)	International Paper Co. (Bastrop Mill)	590	...	...	590	...
Bastrop	(44)	International Paper Co. (Louisiana Mill)	635	590	45	...	...
Springhill	(45)	International Paper Co.	1,550	1,550	...	...	...
West Monroe	(46)	Olin Mathieson Chemical Corp.	650	650	...	...	...
St. Francisville	(47)	St. Francisville Paper Co.	235	..	235	...	...
		Total	5,835	4,570	340	925	...
MARYLAND							
Luke	(48)	West Virginia Pulp and Paper Co.	600	600	...	...	...
		Total	600	600	...	...	...

Table 18. *Mills using southern pulpwood in 1961, by process and capacity* [1] (Continued)

Location	Map code [2]	Company	Pulp capacity, 24 hours [3]				
			All processes	Sulfate	Groundwood and other mechanical	Semi-chemical	Soda and sulfite
			Tons				
MISSISSIPPI							
Meridian	(49)	Flintkote Co.	133	..	133	...	...
Moss Point	(50)	International Paper Co.	660	660	...	...	...
Natchez	(51)	International Paper Co.	925	925	...	...	...
Natchez	(52)	Johns-Manville Products Corp.	350	...	230	120	...
Meridian	(53)	Kroehler Mfg. Co. of Miss., Inc. [4]	80	...	80	...	...
Laurel	(54)	Masonite Corp.	800	..	800	...	...
Greenville	(55)	United States Gypsum Co.	180	...	180	...	...
		Total	3,128	1,585	1,423	120	...
NORTH CAROLINA							
Canton	(56)	Champion Papers, Inc.	980	930	...	50	...
Roanoke Rapids	(57)	Halifax Paper Co.	800	800	...	...	...
Sylva	(58)	The Mead Corp.	225	...	...	225	...
Acme	(59)	Riegel Paper Corp.	775	645	...	130	...
Plymouth	(60)	Weyerhaeuser Co., N. C. Div.	1,450	1,125	...	325	...
		Total	4,230	3,500	...	730	...
OHIO							
Cincinnati	(61)	Philip Carey Mfg. Co.	200	...	200	...	...
Chillicothe	(62)	The Mead Corp.	210	...	...	...	210
		Total	410	...	200	...	210
OKLAHOMA							
Pryor	(63)	Bestwall Gypsum Co.	90	...	...	90	...
Haileyville	(64)	Dierks Forests, Inc.	50	...	50	...	...
		Total	140	...	50	90	...
PENNSYLVANIA							
York	(65)	Certain-teed Products Corp.	70	...	...	70	...
Spring Grove	(66)	P. H. Glatfelter Co.	190	190	...	...	...
		Total	260	190	...	70	...
SOUTH CAROLINA							
Catawba	(67)	Bowater Board Co.	200	...	200	...	...
Catawba	(68)	Bowaters Carolina Corp.	400	400	...	...	...
Georgetown	(69)	International Paper Co.	1,990	1,455	...	535	...
Hartsville	(70)	Sonoco Products Co.	375	...	...	375	...
Charleston	(71)	West Virginia Pulp and Paper Co.	1,550	1,290	...	260	...
		Total	4,515	3,145	200	1,170	...
TENNESSEE							
Calhoun	(72)	Bowaters Southern Paper Corp.	1,425	450	800	175	...
Harriman	(73)	The Mead Corp.	112	...	...	112	...
Kingsport	(74)	The Mead Corp.	225	...	...	...	225
Knoxville	(75)	Southern Extract Co.	150	..	...	150	...
Counce	(76)	Tennessee River Pulp & Paper Co.	500	500	...	...	...
		Total	2,412	950	800	437	225
TEXAS							
Pasadena	(77)	Champion Papers, Inc.	750	690	60	...	...
Evadale	(78)	East Texas Pulp and Paper Co.	425	425	...	...	...
Dallas	(79)	The Ruberoid Co.	40	...	40	...	...
Diboll	(80)	Southern Pine Lumber Co.	130	..	...	130	...
Lufkin	(81)	Southland Paper Mills	1,250	400	850	...	...
		Total	2,595	1,515	950	130	...
VIRGINIA							
West Point	(82)	The Chesapeake Corp. of Virginia	675	675	...	...	...
Hopewell	(83)	Continental Can Co., Inc.	850	700	...	150	...
Columbia	(84)	James River Pulp Corp.	25	...	25	...	...
Lynchburg	(85)	The Mead Corp.	175	...	...	175	...
Big Island	(86)	Owens-Illinois Glass Co.	235	...	...	235	...
Jarratt	(87)	Southern Johns-Manville Products Corp.	200	...	200	...	...
Franklin	(88)	Union Bag-Camp Paper Co.	600	600	...	...	...
Covington	(89)	West Virginia Pulp and Paper Co.	1,000	800	...	200	...
		Total	3,760	2,775	225	760	...
		All states	52,821	40,415	6,124	5,497	785

[1] In 1961 one mill was under construction in the South, the Great Southern Land and Paper Co. at Cedar Springs, Georgia (90), with a design capacity of 700 tons per day.

[2] Corresponds to numbers at mill locations in figure 6.

[3] Southern Pulp and Paper Manufacturer, vol. 24, no. 10 (Oct. 1, 1961); and other sources.

[4] Operate exclusively on secondary wood residues.

Growth Through Agricultural Progress

FOREST SURVEY RELEASE 59

SOUTHEASTERN FOREST EXPERIMENT STATION
Asheville, North Carolina

Forest Service, U. S. Department of Agriculture

1962