

Carolyn

1959 PULPWOOD PRODUCTION IN THE SOUTH



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A. S. Todd, Jr.

and

Agnes C. Nichols

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE



SOUTHEASTERN FOREST EXPERIMENT STATION
Asheville, North Carolina

and

SOUTHERN FOREST EXPERIMENT STATION
New Orleans, Louisiana

in cooperation with

SOUTHERN PULPWOOD CONSERVATION ASSOCIATION
Atlanta, Georgia

Index to Tables

	Page
Table 1. 1959 pulpwood production in the South and change from 1958 ..	1
Table 2. 1959 roundwood production by state and species group	4
Table 3. Pulpwood production by type of wood, 1956-1959	5
Table 4. Number of pulp mills and pulping capacity by state, 1959	5
Table 5. Round pulpwood production in the South, by state and species group, 1959 and 1958	9
Table 6. Wood residues used for pulp manufacture in the South, by state and species group, 1959 and 1958	9
Table 7. Wood residues used for pulp manufacture in the South, by state and type of residue, 1959	9
Table 8. Pulpwood production by state and survey region, 1959, in territory served by Southeastern and Southern Forest Experiment Stations	10
Table 9. 1959 pulpwood production in territory served by South- eastern and Southern Forest Experiment Stations	11
Table 10. Round pulpwood production in Alabama, 1959	11
Table 11. Round pulpwood production in Arkansas, 1959	12
Table 12. Round pulpwood production in Florida, 1959	13
Table 13. Round pulpwood production in Georgia, 1959	14
Table 14. Round pulpwood production in Louisiana, 1959	15
Table 15. Round pulpwood production in Mississippi, 1959	16
Table 16. Round pulpwood production in North Carolina, 1959	17
Table 17. Round pulpwood production in Oklahoma, 1959	18
Table 18. Round pulpwood production in South Carolina, 1959	18
Table 19. Round pulpwood production in Tennessee, 1959	19
Table 20. Round pulpwood production in Texas, 1959	19
Table 21. Round pulpwood production in Virginia, 1959	20
Table 22. Companies drawing pulpwood from the South, 1959	21
Table 23. Pulpmills under construction or announced in the South	22



PULPWOOD OUTPUT IN THE SOUTH reached 22,750,100 cords in 1959, an all-time record. The previous high was 20,344,900 cords set in pre-recession 1956. The year 1959 also saw continued rapid expansion in the use of hardwood species and wood residues, the latter chiefly in the form of chips from sawmills. Altogether, 81 pulpmills received wood from the South, and 76 of these were southern mills.

Pulpwood production was generally upward from 1958 levels (table 1). Southwide, it rose 12 percent. Virginia, with a 19-percent increase, registered the greatest gain, followed by Arkansas and Georgia with 16 percent. Only two states, Oklahoma and Tennessee, showed a decline. For the twelfth year Georgia was the leading producer of the Southern States, with over 4.7 million cords. Alabama continued a strong second, with North Carolina, Florida, Mississippi, and South Carolina nearly tied for third place.

Table 1.—1959 pulpwood production in the South and change from 1958

State	Round pulpwood and residues	Change
	Thousand cords	Percent
Alabama	2,931.0	+12
Arkansas	1,524.3	+16
Florida	2,113.4	+15
Georgia	4,735.1	+16
Louisiana	1,799.6	+14
Mississippi	2,015.8	+ 7
North Carolina	2,145.8	+13
Oklahoma	54.8	-13
South Carolina	1,933.3	+11
Tennessee	353.0	(¹)
Texas	1,415.6	+ 2
Virginia	1,728.4	+19
All states	22,750.1	+12

¹ Negligible.

ROUNDWOOD PRODUCTION

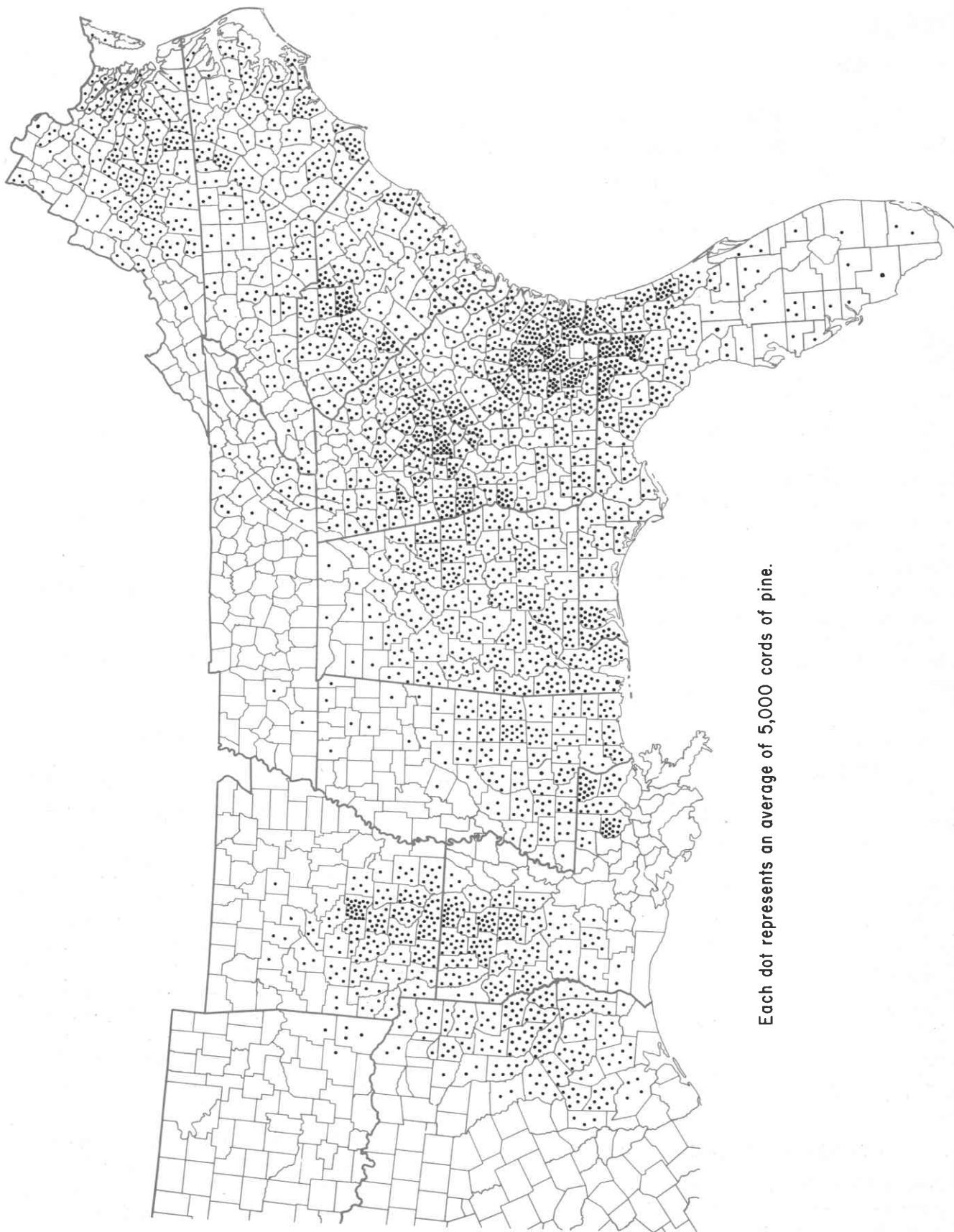
Roundwood—bolts cut from standing timber—provides most of the wood pulped. Out of the total southern production of 22,750,100

cords, 20,288,000 or practically 90 percent was in this form as compared with 18,447,400 cords in 1958.

About four-fifths of the roundwood was of the southern pine species (table 2). Loblolly and shortleaf predominated and with longleaf and slash made up the bulk of the cut. However, a substantial volume of Virginia pine was produced in the piedmont and mountains of the Southeast, while pond, pitch, and even sand pine were locally important.

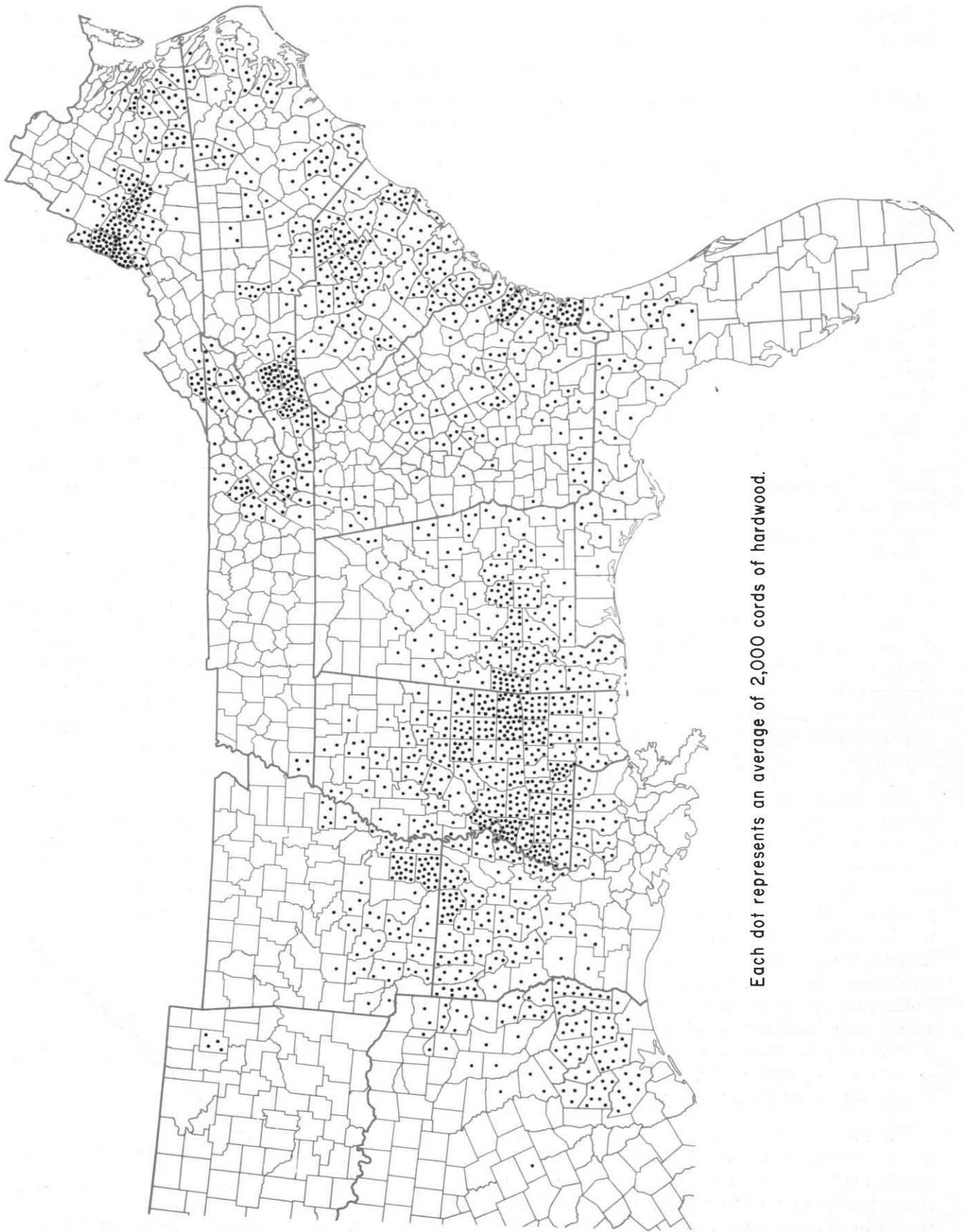
Although pine roundwood is still the mainstay of the pulp industry, the use of hardwoods has been expanding for the past decade. In 1959, this trend was accentuated. Hardwood production was 3,772,500 cords, up a record 28 percent from the previous year. However, perhaps more notable than the increase itself was the size of the production gain in relation to that of pine. Hardwoods, which have comprised from 14 to 16 percent of the total roundwood harvest in recent years, now account for 19 percent. Letting the more abundant hardwoods play a greater role in supporting pulp industry expansion is a significant step toward better timber utilization. By relieving pressure on the heavily used pines, it augurs well for the timber supply and the continued orderly growth of the industry.

Less favorable from a conservation standpoint is the distribution of the hardwood cut among the various hardwood species. At one time, pulpable hardwoods were almost exclusively soft-textured, notably the gums and



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

Figure 1. *Pine roundwood production by county, 1959. (For county names, see figure 8.)*



Each dot represents an average of 2,000 cords of hardwood.

Figure 2. *Hardwood roundwood production by county, 1959.*

yellow-poplar. The introduction of semichemical and other hardwood pulping processes has

Table 2.—1959 roundwood production by state and species group

State	All species	Pine	Soft hardwoods ¹	Hard hardwoods
Thousand cords				
Alabama	2,582.2	2,150.7	406.0	25.5
Arkansas	1,192.4	1,002.0	152.6	37.8
Florida	1,979.3	1,882.5	73.7	23.1
Georgia	4,354.5	4,009.0	301.9	43.6
Louisiana	1,612.1	1,297.4	238.2	76.5
Mississippi	1,875.5	1,024.3	769.2	82.0
North Carolina	1,834.1	1,429.5	179.2	225.4
Oklahoma	38.1	29.1	.6	8.4
South Carolina	1,709.9	1,342.1	268.2	99.6
Tennessee	346.1	200.8	27.3	118.0
Texas	1,120.0	906.3	199.6	14.1
Virginia	1,643.8	1,241.8	94.7	307.3
All states	20,288.0	16,515.5	2,711.2	1,061.3

¹ The gums, cottonwood, willow, yellow-poplar, bay, magnolia, maple, basswood, sycamore, soft elm, hackberry.

altered this situation considerably in certain parts of the South, and some firm-textured species are produced in every state. However, table 2 indicates that the industry's preference for soft-textured species is still pronounced. Regionwide, they make up 72 percent of the round hardwood, and in certain states almost 95 percent; yet, the hardwood growing stock of the Region is 60 percent oaks, hickories, etc. Spokesmen of industry say this imbalance will be gradually corrected, and such development is particularly desirable as over-all consumption of hardwood rises.

The geographic distribution of roundwood production (figs. 1 and 2) is beginning to coincide more and more closely with the natural occurrence of the various species in the woods. This is especially true of the pines. Twenty years ago, there were only 25 pine pulp mills in the South, nearly all in the coastal area. Except for a cluster in Louisiana and south Arkansas, they were rather widely spaced. Consequently, pine pulpwood production was spotty and localized. Today, there is hardly a tract of pine that is not within easy reach of a mill, and pine pulpwood is cut in almost every county or parish where it grows.

The pattern of hardwood production is not yet so widespread. Nevertheless, some hardwood is cut in every state and in a majority of the counties in several states. Comparison of the 1959 pattern with those for earlier years

indicates that hardwood production will soon be general throughout all parts of the South.

Tables 10 to 21 show the 1959 production of roundwood by county. Baldwin County, Alabama, with 147,000 cords, led all the other southern counties in production, as it has in many preceding years. A close second was Camden County, Georgia, with 143,000. Including these two, there were 12 counties with cuts of more than 100,000 cords. Another 28 produced between 75,000 and 100,000, while 79 more were in the 50,000 to 75,000 class.

PRODUCTION FROM RESIDUES

The pulping of wood residues continues to expand. Production from this source totaled 2,462,100 cords in 1959, a 38-percent increase over 1958. Ninety-seven percent of this material was in the form of chips from sawmills and veneer plants; the rest consisted of veneer cores, cull crossties, pole and piling ends, and other coarse residues.

The pulp and paper industry has always been keenly interested in the possibilities of utilizing the wood waste of other industries. A number of southern hardwood mills originally depended on spent chips from now defunct tanning extract plants and, during the labor-short years of World War II, there was experimentation with residues from a wide variety of sources. In 1952, the first successful sawmill installations of barkers and chippers made several million cords of slabs and edgings per year usable. During 1953, pulpmill receipts of chipped residues amounted to 25,700 cords (fig. 3). Since then, the volume of chips purchased has climbed rapidly as more and more sawmills

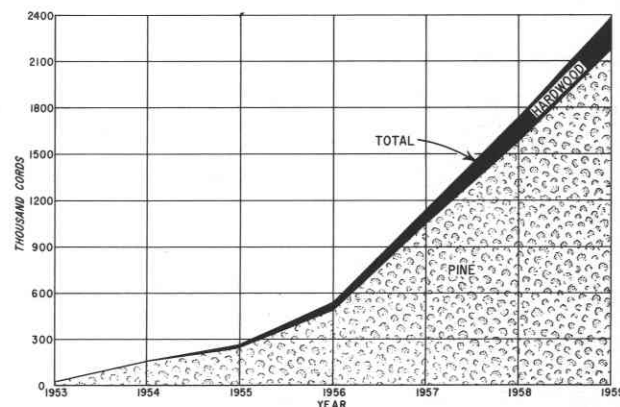


Figure 3. Chipped-residue production, 1953-1959.

installed the necessary equipment. Today some 600 plants are converting their residues to pulp chips, and 1959 production was almost 2.4 million cords.

Residues, chipped and unchipped, accounted for 10.8 percent of all pulpwood in 1959 (fig. 4).

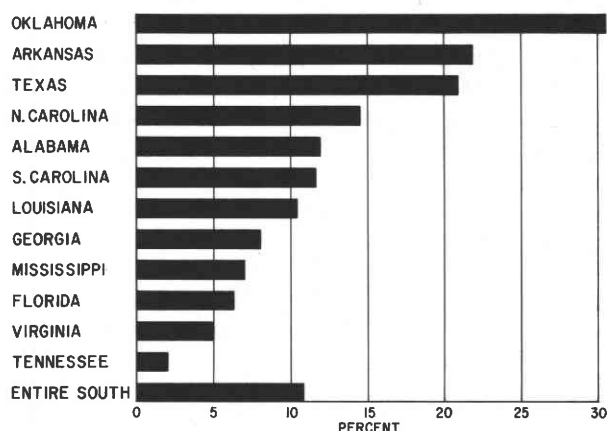


Figure 4. Portion of total production obtained from wood residues, 1959.

By individual states, the percents varied from 2.0 in Tennessee to 30.5 in Oklahoma. How much of the annual wood requirement can eventually be filled from residues is uncertain. Informed estimates for the South as a whole range between 15 and 20 percent, a few even higher.

PRODUCTION TRENDS BY KIND OF WOOD

With the onset of the business recession in 1957, pulpwood production dropped some 560,000 cords from the record high of 1956. During the gradual 1958 recovery, about 80 percent of this loss was regained. Then, in 1959, a new record was set. How did these fluctuations affect the pattern of production by kind of wood? The effects were far from uniform and may disclose a trend of more than passing interest.

Examining the production of the past four years (table 3), one is struck by the fact that only pine roundwood declined significantly. Round hardwood was held to minor increases in 1957 and 1958, but climbed more rapidly during 1959 than in any previous year. Chip output, largely controlled by purchase contracts covering several years, could not decline.

On the other hand, there is no indication that the growth of the chip procurement program was even impeded. Production of pine chips, for instance, continued to expand a steady half-million cords each year.

With the production of most forms of wood on the increase, pine roundwood took the full effects of curtailed pulpmill activity. In 1957, while total production declined 560,000 cords, round pine fell 1.2 million. In 1958, when total production rose 450,000, round pine lost an additional 210,000. Even in 1959, with total production up 2.5 million cords, round pine showed only a sluggish recovery—an increase of slightly over 1 million cords. This left it still 400,000 cords short of the 1956 mark.

THE EXPANDING MARKET FOR WOOD

Completion of a new pulpmill in South Carolina during the year brought the total number in the Region to 76, with a combined daily capacity of 46,112 tons of dry pulp (table 4). Flor-

Table 3.—Pulpwood production by type of wood, 1956-1959

Type of wood	Production			
	1956	1957	1958	1959
Thousand cords				
Round pine	16,920	15,714	15,503	16,515
Round hardwood	2,766	2,866	2,944	3,773
Pine chips	488	1,047	1,581	2,177
Hardwood chips	46	78	146	207
Other pine residue	15	11	8	9
Other hardwood residue	110	67	51	69
All types	20,345	19,783	20,233	22,750

Table 4.—Number of pulp mills and pulping capacity by state, 1959¹

State	Mills	24-hour capacity
	Number	Tons
Alabama	9	4,203
Arkansas	4	2,285
Florida	10	8,100
Georgia	10	6,875
Louisiana	10	5,605
Mississippi	6	3,072
North Carolina	5	3,835
Oklahoma	1	90
South Carolina	4	4,330
Tennessee	4	1,832
Texas	5	2,405
Virginia	8	3,480
All states	76	46,112

¹ Southern Pulp and Paper Manufacturer, vol. 22, no. 10 (Oct. 1, 1959); and other sources.

ida, with 10 mills and 8,100 tons capacity, ranked first among the southern states. Georgia and Louisiana, each with 10 mills also, ranked second and third.

By year's end, seven additional pulpmills were either planned or already under construction. When completed, they will add an estimated 2,125 tons of capacity, and announced enlargement of existing plants will add still more. Tables 22 and 23 list the pulpmills existing and planned, while the map in figure 7 shows their location.

Growth of the pulp and paper industry has not only intensified the competition for wood but has extended the wood market to all parts of the South. One index of competition is the number of mills that procure wood from an area. Half the counties that produce pulpwood now supply four or more mills simultaneously (figs. 5 and 6), and it is not too unusual to find buyers from 10 or more mills active in a single county. As for the nonproducing counties, they are becoming fewer in number each year and are largely restricted to areas with little pulpable timber.

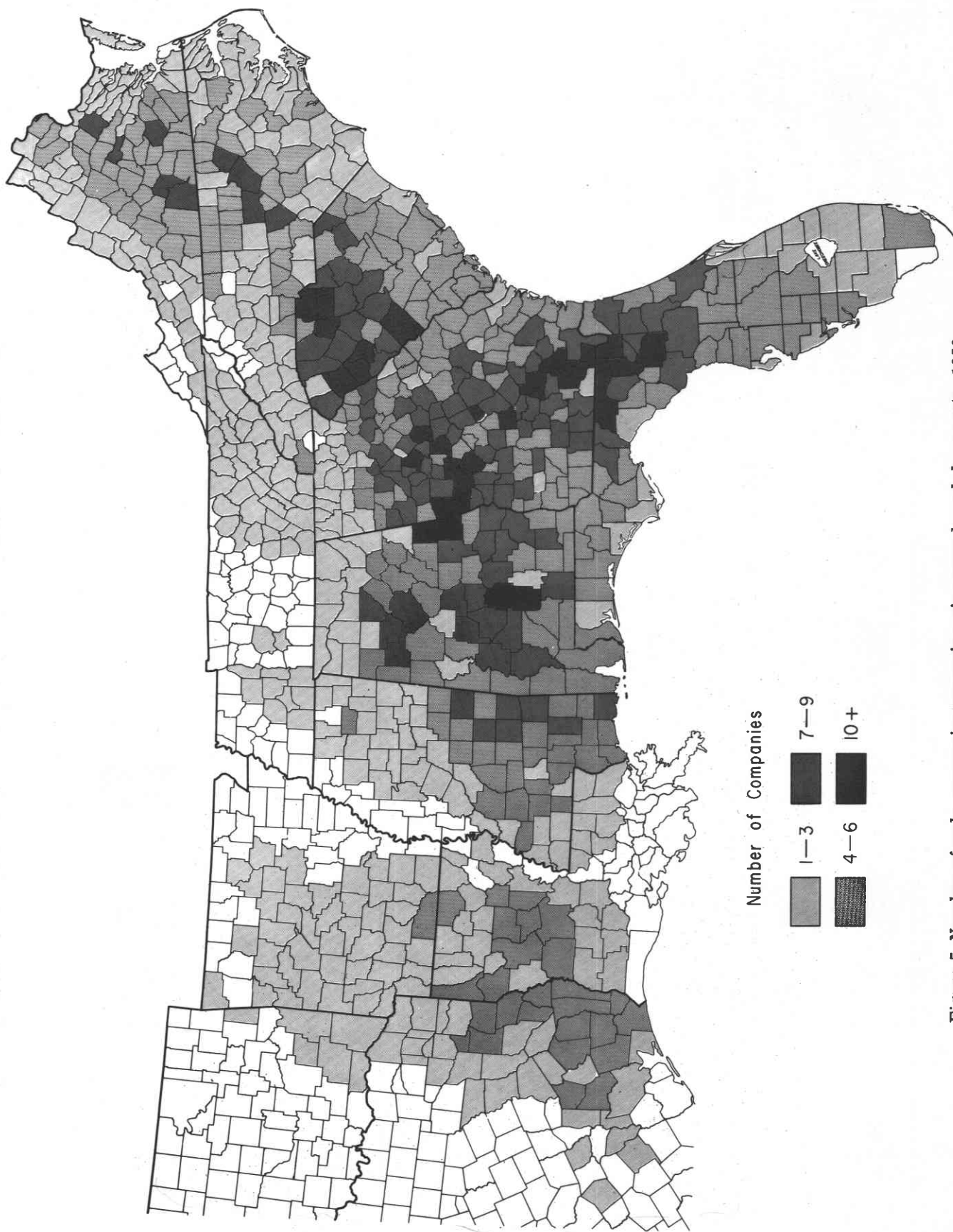


Figure 5. Number of pulp companies procuring pine roundwood, by county, 1959

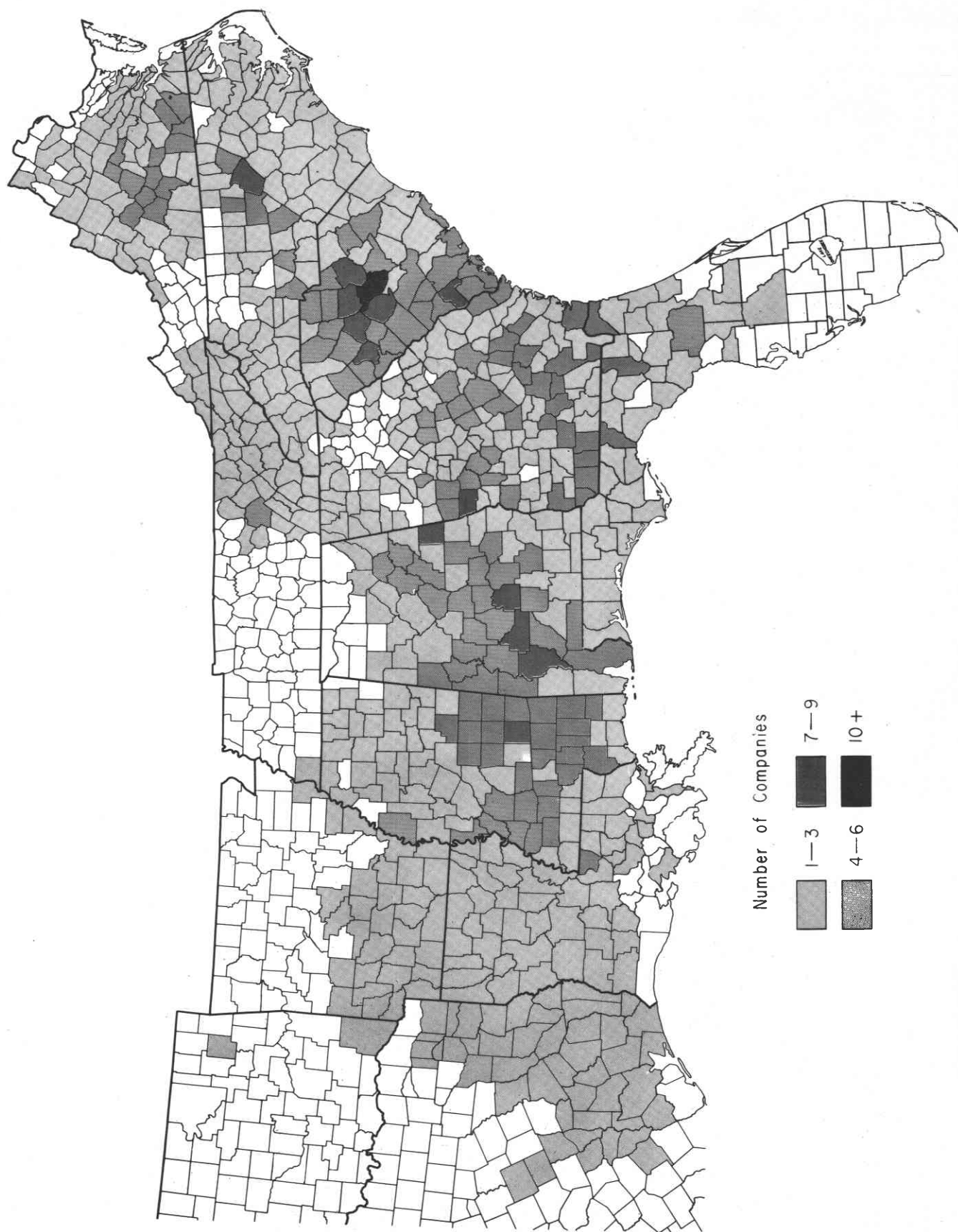


Figure 6. Number of pulp companies procuring hardwood roundwood, by county, 1959.

DETAILED TABLES

Table 5. Round pulpwood production in the South, by state and species group, 1959 and 1958

State	Change from 1958	1959			1958		
		All species	Pine	Hardwood	All species	Pine	Hardwood
	Percent	Thousand cords					
Alabama	+ 9	2,582.2	2,150.7	431.5	2,370.2	2,187.8	182.4
Arkansas	+14	1,192.4	1,002.0	190.4	1,041.5	893.5	148.0
Florida	+13	1,979.3	1,882.5	96.8	1,752.3	1,690.8	61.5
Georgia	+13	4,354.5	4,009.0	345.5	3,860.4	3,583.5	276.9
Louisiana	+12	1,612.1	1,297.4	314.7	1,438.2	1,207.6	230.6
Mississippi	+ 5	1,875.5	1,024.3	851.2	1,786.0	1,035.8	750.2
North Carolina	+ 8	1,834.1	1,429.5	404.6	1,706.0	1,342.7	363.3
Oklahoma	-19	38.1	29.1	9.0	47.0	38.0	9.0
South Carolina	+ 7	1,709.9	1,342.1	367.8	1,592.7	1,346.3	246.4
Tennessee	- 1	346.1	200.8	145.3	348.5	241.1	107.4
Texas	- 1	1,120.0	906.3	213.7	1,126.9	954.0	172.9
Virginia	+19	1,643.8	1,241.8	402.0	1,377.7	981.7	396.0
All states	+10	20,288.0	16,515.5	3,772.5	18,447.4	15,502.8	2,944.6

Table 6. Wood residues used for pulp manufacture in the South, by state and species group, 1959 and 1958

State	Change from 1958	1959			1958		
		All species	Pine	Hardwood	All species	Pine	Hardwood
	Percent	Thousand cords					
Alabama	+37	348.8	294.4	54.4	254.4	211.1	43.3
Arkansas	+22	331.9	323.4	8.5	272.9	265.0	7.9
Florida	+62	134.1	123.2	10.9	82.6	79.3	3.3
Georgia	+64	380.6	353.7	26.9	232.5	211.6	20.9
Louisiana	+29	187.5	160.2	27.3	145.4	125.6	19.8
Mississippi	+42	140.3	93.6	46.7	99.0	49.2	49.8
North Carolina	+64	311.7	275.5	¹ 36.2	190.1	174.1	² 16.0
Oklahoma	+ 4	16.7	16.7	...	16.1	16.1	...
South Carolina	+44	223.4	192.1	31.3	155.1	134.9	20.2
Tennessee	+13	6.9	.7	6.2	6.1	.3	5.8
Texas	+14	295.6	279.0	16.6	259.1	254.4	4.7
Virginia	+17	84.6	73.9	10.7	72.1	67.0	5.1
All states	+38	2,462.1	2,186.4	275.7	1,785.4	1,588.6	196.8

¹ Includes 525 cords of hemlock.

² Includes 434 cords of hemlock.

Table 7. Wood residues used for pulp manufacture in the South, by state and type of residue, 1959

State	All types	Chips			Other residues ¹		
		All species	Pine	Hardwood	All species	Pine	Hardwood
		Thousand cords					
Alabama	348.8	339.8	291.9	47.9	9.0	2.5	6.5
Arkansas	331.9	327.9	321.1	6.8	4.0	2.3	1.7
Florida	134.1	127.0	122.9	4.1	7.1	.3	6.8
Georgia	380.6	370.5	352.4	18.1	10.1	1.3	8.8
Louisiana	187.5	185.1	159.7	25.4	2.4	.5	1.9
Mississippi	140.3	131.4	93.5	37.9	8.9	.1	8.8
North Carolina	311.7	289.4	274.4	15.0	22.3	1.1	² 21.2
Oklahoma	16.7	16.7	16.7	...	...	...	...
South Carolina	223.4	215.8	191.8	24.0	7.6	.3	7.3
Tennessee	6.9	6.3	.7	5.6	.6	...	.6
Texas	295.6	293.5	278.9	14.6	2.1	.1	2.0
Virginia	84.6	81.0	73.9	7.1	3.6	...	3.6
All states	2,462.1	2,384.4	2,177.9	206.5	77.7	8.5	69.2

¹ Veneer cores, pole and piling trim, cull crossties, etc.

² Includes 525 cords of hemlock.

Table 8. Pulpwood production by state and survey region, 1959, in territory served by Southeastern and Southern Forest Experiment Stations

Round pulpwood and residues	Survey region ¹	All species	Pine	Hardwood
No.		Standard cords		
SOUTH				
Roundwood		20,287,997	16,515,472	3,772,525
Wood residues		2,462,140	2,186,410	275,730
All pulpwood		22,750,137	18,701,882	4,048,255

SOUTHEASTERN STATION				
FLORIDA				
Roundwood	1	1,285,378	1,216,907	68,471
	2	529,288	501,499	27,789
	3	125,387	124,880	507
	4	39,288	39,288	...
Total		1,979,341	1,882,574	96,767
Wood residues		134,080	123,191	10,889
All pulpwood		2,113,421	2,005,765	107,656

GEORGIA				
Roundwood	1	1,851,859	1,640,505	211,354
	2	440,433	406,041	34,392
	3	1,275,326	1,214,446	60,880
	4	603,122	588,947	14,175
	5	183,759	159,115	24,644
Total		4,354,499	4,009,054	345,445
Wood residues		380,591	353,644	26,947
All pulpwood		4,735,090	4,362,698	372,392

NORTH CAROLINA				
Roundwood	1	603,795	522,410	81,385
	2	426,800	364,475	62,325
	3	517,283	421,317	95,966
	4	286,196	121,252	164,944
Total		1,834,074	1,429,454	404,620
Wood residues		311,772	275,526	36,246
All pulpwood		2,145,846	1,704,980	440,866

SOUTH CAROLINA				
Roundwood	1	359,470	268,402	91,068
	2	578,859	378,265	200,594
	3	771,593	695,408	76,185
Total		1,709,922	1,342,075	367,847
Wood residues		223,421	192,124	31,297
All pulpwood		1,933,343	1,534,199	399,144

VIRGINIA				
Roundwood	1	598,455	511,116	87,339
	2	510,419	430,450	79,969
	3	259,860	206,048	53,812
	4	237,686	81,752	155,934
	5	37,408	12,440	24,968
Total		1,643,828	1,241,806	402,022
Wood residues		84,536	73,831	10,705
All pulpwood		1,728,364	1,315,637	412,727

Round pulpwood and residues	Survey region ¹	All species	Pine	Hardwood
No.		Standard cords		
SOUTHERN STATION				
ALABAMA				
Roundwood	1	433,465	360,441	73,024
	2	548,187	386,853	161,334
	3	798,012	662,132	135,880
	4	274,171	246,784	27,387
	5	496,435	463,164	33,271
	6	31,872	31,330	542
Total		2,582,142	2,150,704	431,438
Wood residues		348,820	294,456	54,364
All pulpwood		2,930,962	2,445,160	485,802

ARKANSAS				
Roundwood	1	68,138	28,567	39,571
	2	627	...	627
	3	967,849	821,311	146,538
	4	123,314	119,633	3,681
	5	32,435	32,435	...
Total		1,192,363	1,001,946	190,417
Wood residues		331,903	323,451	8,452
All pulpwood		1,524,266	1,325,397	198,869

LOUISIANA				
Roundwood	1	93,127	25,403	67,724
	2	22,078	7,454	14,624
	3	381,309	330,602	50,707
	4	313,927	271,405	42,522
	5	801,621	662,485	139,136
Total		1,612,062	1,297,349	314,713
Wood residues		187,543	160,199	27,344
All pulpwood		1,799,605	1,457,548	342,057

MISSISSIPPI				
Roundwood	1	100,426	5,375	95,051
	2	122,513	49,853	72,660
	3	633,684	373,703	259,981
	4	613,616	412,236	201,380
	5	405,305	183,127	222,178
Total		1,875,544	1,024,294	851,250
Wood residues		140,231	93,570	46,661
All pulpwood		2,015,775	1,117,864	897,911

OKLAHOMA				
Roundwood	1	29,250	29,038	212
	2	8,847	31	8,816
Total		38,097	29,069	9,028
Wood residues		16,741	16,741	...
All pulpwood		54,838	45,810	9,028

TENNESSEE				
Roundwood	1	12,173	7,107	5,066
	2	2,834	2,834	...
	3	...	...	...
	4	82,845	42,170	40,675
	5	248,225	148,707	99,518
Total		346,077	200,818	145,259
Wood residues		6,911	665	6,246
All pulpwood		352,988	201,483	151,505

TEXAS				
Roundwood	1	698,146	530,399	167,747
	2	402,160	361,326	40,834
	3	19,742	14,604	5,138
Total		1,120,048	906,329	213,719
Wood residues		295,591	279,012	16,579
All pulpwood		1,415,639	1,185,341	230,298

¹ For location of Survey regions, see figure 7.

Table 9. 1959 pulpwood production in territory served by Southeastern and Southern Forest Experiment Stations

Station and type of wood	All species	Pine	Hardwood
<i>Standard cords</i>			
Southeastern			
Roundwood	11,521,664	9,904,963	1,616,701
Residues	1,134,400	1,018,316	116,084
Total	<u>12,656,064</u>	<u>10,923,279</u>	<u>1,732,785</u>
Southern			
Roundwood	8,766,333	6,610,509	2,155,824
Residues	1,327,740	1,168,094	159,646
Total	<u>10,094,073</u>	<u>7,778,603</u>	<u>2,315,470</u>
All pulpwood	22,750,137	18,701,882	4,048,255

Table 10. Round pulpwood production in Alabama, 1959

County	All species	Pine	Hardwood	County	All species	Pine	Hardwood
<i>Standard cords</i>				<i>Standard cords</i>			
Autauga	15,212	12,912	2,300	Jackson	4,557	4,557	...
Baldwin	147,307	123,054	24,253	Jefferson	39,495	37,221	2,274
Barbour	41,197	35,350	5,847	Lamar	13,855	13,065	790
Bibb	31,149	28,157	2,992	Lauderdale	473	473	...
Blount	13,666	12,683	983	Lawrence	317	317	...
Bullock	36,468	30,859	5,609	Lee	50,195	43,040	7,155
Butler	73,399	54,404	18,995	Limestone	1,648	1,648	...
Calhoun	20,439	20,051	388	Lowndes	73,057	46,207	26,850
Chambers	48,858	45,136	3,722	Macon	22,025	21,552	473
Cherokee	27,382	20,998	6,384	Madison	1,251	1,251	...
Chilton	34,876	30,381	4,495	Marengo	71,006	52,048	18,958
Choctaw	112,151	65,218	46,933	Marion	5,729	5,723	6
Clarke	96,884	64,592	32,292	Marshall	7,589	7,489	100
Clay	45,510	43,209	2,301	Mobile	93,031	73,181	19,850
Cleburne	26,655	26,060	595	Monroe	76,764	61,518	15,246
Coffee	31,975	27,001	4,974	Montgomery	49,678	35,854	13,824
Colbert	545	545	...	Morgan	4,608	4,608	...
Conecuh	73,437	62,239	11,198	Perry	33,092	28,204	4,888
Coosa	67,317	63,647	3,670	Pickens	43,681	38,992	4,689
Covington	39,179	34,770	4,409	Pike	71,392	58,190	13,202
Crenshaw	20,013	13,623	6,390	Randolph	61,551	55,158	6,393
Cullman	17,678	17,191	487	Russell	32,900	28,151	4,749
Dale	15,700	14,887	813	St. Clair	29,308	28,274	1,034
Dallas	25,838	19,377	6,461	Shelby	49,487	45,776	3,711
De Kalb	7,686	7,244	442	Sumter	34,542	29,508	5,034
Elmore	33,873	32,879	994	Talladega	40,911	38,670	2,241
Escambia	66,224	58,662	7,562	Tallapoosa	73,476	69,788	3,688
Etowah	17,878	16,605	1,273	Tuscaloosa	56,298	50,775	5,523
Fayette	26,802	25,337	1,465	Walker	32,062	30,525	1,537
Franklin	3,198	3,198	...	Washington	87,724	70,774	16,950
Geneva	15,469	14,735	734	Wilcox	83,403	51,730	31,673
Greene	36,353	32,033	4,320	Winston	7,096	7,096	...
Hale	23,864	21,150	2,714	All counties	<u>2,582,142</u>	<u>2,150,704</u>	<u>431,438</u>
Henry	27,485	25,052	2,433				
Houston	8,274	6,102	2,172				

Table 11. Round pulpwood production in Arkansas, 1959

County	All species	Pine	Hardwood	County	All species	Pine	Hardwood
Standard cords				Standard cords			
Ashley	81,903	43,278	38,625	Lafayette	28,773	20,420	8,353
Benton	48	48	...	Lee	9,198	...	9,198
Bradley	52,954	50,866	2,088	Lincoln	6,074	5,560	514
Calhoun	52,835	51,386	1,449	Little River	14,625	13,046	1,579
Chicot	9,729	...	9,729	Logan	7,460	7,460	...
Clark	64,469	55,864	8,605	Miller	22,534	22,003	531
Cleburne	4,046	4,046	...	Montgomery	26,503	25,219	1,284
Cleveland	25,205	24,359	846	Nevada	23,481	20,553	2,928
Columbia	66,250	58,968	7,282	Newton	156	156	...
Conway	3,798	3,798	...	Ouachita	59,062	48,300	10,762
Crawford	1,829	1,829	...	Perry	19,759	19,759	...
Crittendon	627	...	627	Phillips	3,649	...	3,649
Dallas	68,697	63,680	5,017	Pike	29,362	25,476	3,886
Desha	14,324	...	14,324	Polk	11,037	10,693	344
Drew	56,053	24,123	31,930	Pope	9,226	9,226	...
Faulkner	938	938	...	Pulaski	4,628	4,602	26
Franklin	295	295	...	Saline	20,249	18,222	2,027
Garland	15,650	15,650	...	Scott	1,282	1,282	...
Grant	114,213	111,135	3,078	Sebastian	11	11	...
Hempstead	27,609	19,583	8,026	Sevier	14,755	13,622	1,133
Hot Spring	42,399	38,843	3,556	Stone	166	166	...
Howard	16,650	16,044	606	Union	106,020	99,762	6,258
Independence	1,804	1,804	...	Van Buren	913	913	...
Izard	296	296	...	White	1,673	1,673	...
Jefferson	25,164	23,007	2,157	Yell	16,735	16,735	...
Johnson	7,247	7,247	...	All counties	1,192,363	1,001,946	190,417

Table 12. Round pulpwood production in Florida, 1959

County	All species	Pine	Hardwood	County	All species	Pine	Hardwood
<i>Standard cords</i>				<i>Standard cords</i>			
Alachua	55,273	53,976	1,297	Lake	6,050	5,963	87
Baker	98,871	98,871	200	Lee	5,184	5,184	...
Bay	29,331	29,125	206	Leon	22,985	22,558	427
Bradford	58,313	58,313	...	Levy	46,898	46,735	163
Brevard	13,439	13,439	...	Liberty	15,696	14,420	1,276
Broward	19	19	...	Madison	58,362	55,955	2,407
Calhoun	25,908	24,123	1,785	Manatee	2,706	2,706	...
Charlotte	5,918	5,918	...	Marion	92,824	81,876	10,948
Citrus	3,897	3,897	...	Martin	461	461	...
Clay	45,951	43,897	2,054	Nassau	94,491	88,292	6,199
Collier	6,581	6,581	...	Okaloosa	19,365	19,083	282
Columbia	85,450	76,193	9,257	Okeechobee	622	622	...
Dade	11,517	11,517	...	Orange	5,508	5,486	22
De Soto	3,008	3,008	...	Osceola	16,441	16,441	...
Dixie	53,127	49,985	3,142	Palm Beach	2,851	2,851	...
Duval	66,237	62,664	3,573	Pasco	6,127	6,127	...
Escambia	72,769	70,746	2,023	Pinellas	257	257	...
Flagler	77,678	76,642	1,036	Polk	9,820	9,787	33
Franklin	13,844	13,844	...	Putnam	77,318	60,318	17,000
Gadsden	29,088	25,035	4,053	St. Johns	72,998	68,990	4,008
Gilchrist	7,722	7,657	65	St. Lucie	2,632	2,632	...
Glades	697	697	...	Santa Rosa	90,649	90,138	511
Gulf	16,145	16,032	113	Sarasota	6,021	6,021	...
Hamilton	83,821	79,161	4,660	Seminole	12,392	12,392	...
Hardee	12,584	12,584	...	Sumter	5,222	5,048	174
Hendry	6,060	6,060	...	Suwannee	24,629	24,025	604
Hernando	10,886	10,695	191	Taylor	74,012	72,177	1,835
Highlands	1,639	1,639	...	Union	43,517	43,494	23
Hillsborough	5,980	5,980	...	Volusia	53,075	53,075	...
Holmes	27,473	25,271	2,202	Wakulla	28,770	27,662	1,108
Indian River	156	156	...	Walton	45,301	44,076	1,225
Jackson	42,570	34,841	7,729	Washington	27,805	26,381	1,424
Jefferson	21,589	18,164	3,425	All counties	1,979,341	1,882,574	96,767
Lafayette	14,811	14,811	...				

Table 13. Round pulpwood production in Georgia, 1959

County	All species	Pine	Hardwood	County	All species	Pine	Hardwood
Standard cords				Standard cords			
Appling	98,032	94,690	3,342	Hall	15,272	15,272	...
Atkinson	61,474	59,806	1,668	Hancock	55,222	53,744	1,478
Bacon	46,015	45,455	560	Haralson	12,163	11,906	257
Baker	5,611	5,426	185	Harris	87,709	86,965	744
Baldwin	31,016	29,586	1,430	Hart	5,345	5,345	...
Banks	1,373	1,373	...	Heard	17,321	17,276	45
Barrow	9,634	9,634	...	Henry	21,435	21,261	174
Bartow	19,367	16,702	2,665	Houston	42,150	38,394	3,756
Ben Hill	16,762	15,920	842	Irwin	7,961	7,741	220
Berrien	38,744	35,291	3,453	Jackson	17,175	17,175	...
Bibb	18,508	14,635	3,873	Jasper	58,747	53,813	4,934
Bleckley	7,227	6,729	498	Jeff Davis	55,195	52,388	2,807
Brantley	69,203	61,304	7,899	Jefferson	17,788	16,920	868
Brooks	13,463	13,368	95	Jenkins	13,894	12,394	1,500
Bryan	68,135	56,776	11,359	Johnson	5,250	5,104	146
Bulloch	31,996	29,649	2,347	Jones	61,699	57,141	4,558
Burke	24,212	23,812	400	Lamar	20,138	19,679	459
Butts	22,912	22,782	130	Lanier	19,314	17,955	1,359
Calhoun	7,186	6,331	855	Laurens	30,401	25,927	4,474
Camden	143,347	105,716	37,631	Lee	4,703	4,665	38
Candler	8,899	8,092	807	Liberty	59,784	30,212	29,572
Carroll	31,850	31,850	...	Lincoln	5,579	5,579	...
Catoosa	2,236	2,220	16	Long	43,826	38,364	5,462
Charlton	104,381	97,300	7,081	Lowndes	43,102	41,153	1,949
Chatham	17,221	11,645	5,576	Lumpkin	6,734	6,734	...
Chattahoochee	17,149	17,017	132	McDuffie	14,967	14,467	500
Chattooga	8,932	7,604	1,328	McIntosh	49,225	38,795	10,430
Cherokee	16,081	15,983	98	Macon	8,646	8,203	443
Clarke	3,485	3,485	...	Madison	6,892	6,864	28
Clay	9,502	8,045	1,457	Marion	14,417	13,766	651
Clayton	7,387	7,387	...	Meriwether	31,455	30,671	784
Clinch	113,803	113,541	262	Miller	14,147	14,057	90
Cobb	15,083	15,060	23	Mitchell	14,188	13,126	1,062
Coffee	61,704	59,473	2,231	Monroe	83,223	78,244	4,979
Colquitt	37,537	35,259	2,278	Montgomery	22,933	20,212	2,721
Columbia	17,520	15,996	1,524	Morgan	35,378	32,102	3,276
Cook	9,741	9,480	261	Murray	12,452	11,227	1,225
Coweta	36,476	36,347	129	Muscogee	15,157	14,737	420
Crawford	16,502	14,817	1,685	Newton	38,272	36,630	1,642
Crisp	10,082	9,882	200	Oconee	18,969	18,833	136
Dade	461	453	8	Oglethorpe	16,935	16,935	...
Dawson	2,432	2,432	...	Paulding	24,603	24,603	...
Decatur	47,253	39,843	7,410	Peach	20,260	19,152	1,108
De Kalb	4,430	4,389	41	Pickens	7,620	7,620	...
Dodge	54,148	44,558	9,590	Pierce	77,113	75,857	1,256
Dooly	13,924	12,888	1,036	Pike	10,013	10,009	4
Dougherty	26,318	26,289	29	Polk	16,353	15,557	796
Douglas	33,285	33,130	155	Pulaski	6,061	5,679	382
Early	12,242	11,365	877	Putnam	48,055	46,219	1,836
Echols	20,164	19,919	245	Quitman	12,063	11,243	820
Effingham	44,138	33,018	11,120	Rabun	11,859	3,251	8,608
Elbert	36,259	30,158	6,101	Randolph	10,998	10,536	462
Emanuel	33,393	31,846	1,547	Richmond	12,422	12,252	170
Evans	13,016	12,297	719	Rockdale	2,657	2,657	...
Fannin	6,910	5,134	1,776	Schley	8,338	7,043	1,295
Fayette	23,809	22,760	1,049	Screven	20,411	14,104	6,307
Floyd	30,312	26,234	4,078	Seminole	21,247	18,643	2,604
Forsyth	9,132	9,132	...	Spalding	16,264	15,768	496
Franklin	15,829	15,829	...	Stephens	4,947	4,947	...
Fulton	12,263	12,260	3	Stewart	59,884	59,387	497
Gilmer	5,569	5,566	3	Sumter	17,541	17,267	274
Glascock	100	100	...	Talbot	42,598	40,657	1,941
Glynn	56,860	42,192	14,668	Taliaferro	11,588	11,470	118
Gordon	11,825	10,387	1,438	Tattnall	39,358	36,613	2,745
Grady	29,120	24,009	5,111	Taylor	10,923	10,743	180
Greene	41,353	37,971	3,382				
Gwinnett	36,296	36,296	...				
Habersham	7,524	6,057	1,467				

Table 13. Round pulpwood production in Georgia, 1959 (Continued)

County	All species	Pine	Hardwood	County	All species	Pine	Hardwood
Standard cords				Standard cords			
Telfair	55,589	48,592	6,997	Walton	6,619	6,561	58
Terrell	4,297	4,297	...	Ware	130,319	128,585	1,734
Thomas	22,728	20,982	1,746	Warren	19,880	19,730	150
Tift	16,768	15,474	1,294	Washington	43,701	41,599	2,102
Toombs	34,140	29,098	5,042	Wayne	108,823	102,123	6,700
Treutlen	16,834	15,749	1,085	Webster	10,849	10,846	3
Troup	58,801	56,543	2,258	Wheeler	42,835	39,111	3,724
Turner	3,795	3,696	99	White	2,086	2,086	...
Twiggs	37,601	34,514	3,087	Whitfield	13,208	11,603	1,605
Union	1,449	1,374	75	Wilcox	27,273	25,562	1,711
Upson	33,980	33,785	195	Wilkes	37,470	35,893	1,577
Walker	8,725	8,471	254	Wilkinson	54,806	52,626	2,180
				Worth	15,431	14,921	510
				All counties	4,354,499	4,009,054	345,445

Table 14. Round pulpwood production in Louisiana, 1959

Parish	All species	Pine	Hardwood	Parish	All species	Pine	Hardwood
Standard cords				Standard cords			
Acadia	4,769	4,584	185	Madison	9,209	164	9,045
Allen	34,070	30,784	3,286	Morehouse	34,344	16,847	17,497
Ascension	251	...	251	Natchitoches	74,023	58,100	15,923
Avoyelles	1,729	1,335	394	Orleans	6	...	6
Beauregard	19,202	17,649	1,553	Ouachita	33,304	23,340	9,964
Bienville	87,288	79,393	7,895	Pointe Coupee	1,846	...	1,846
Bossier	54,699	44,226	10,473	Rapides	52,744	40,123	12,621
Caddo	30,725	10,060	20,665	Red River	25,571	19,485	6,086
Calcasieu	10,385	10,050	335	Richland	84	...	84
Caldwell	40,829	36,110	4,719	Sabine	62,401	59,128	3,273
Catahoula	12,060	7,179	4,881	St. Helena	18,971	12,275	6,696
Claiborne	70,359	64,068	6,291	St. James	573	...	573
Concordia	13,066	...	13,066	St. John the Baptist	547	...	547
De Soto	57,136	54,190	2,946	St. Landry	437	197	240
East Baton Rouge	4,865	536	4,329	St. Mary	15	...	15
East Carroll	5,790	...	5,790	St. Tammany	40,476	40,067	409
East Feliciana	24,728	15,816	8,912	Tangipahoa	50,450	41,365	9,085
Evangeline	8,580	8,211	369	Tensas	14,497	...	14,497
Franklin	3,083	1,206	1,877	Union	130,895	98,552	32,343
Grant	36,501	30,280	6,221	Vernon	41,453	39,649	1,804
Iberville	769	...	769	Washington	85,265	78,133	7,132
Jackson	77,179	69,130	8,049	Webster	43,636	32,111	11,525
Jefferson	42	...	42	West Baton Rouge	3,871	...	3,871
Jefferson Davis	1,404	1,173	231	West Carroll	994	7	987
La Salle	40,546	35,455	5,091	West Feliciana	7,223	1,338	5,885
Lincoln	42,209	36,543	5,666	Winn	107,791	95,277	12,514
Livingston	89,172	83,213	5,959	All parishes	1,612,062	1,297,349	314,713

Table 15. Round pulpwood production in Mississippi, 1959

County	All species	Pine	Hardwood	County	All species	Pine	Hardwood
Standard cords				Standard cords			
Adams	33,200	3,420	29,780	Lincoln	49,462	32,072	17,390
Alcorn	2,740	2,545	195	Lowndes	5,346	4,066	1,280
Amite	35,610	18,601	17,009	Madison	19,181	7,582	11,599
Attala	26,513	9,582	16,931	Marion	57,615	27,785	29,830
Benton	1,031	907	124	Marshall	6,652	2,707	3,945
Bolivar	3,079	...	3,079	Monroe	3,850	3,215	635
Calhoun	1,425	452	973	Montgomery	7,854	1,559	6,295
Carroll	14,433	2,056	12,377	Neshoba	35,083	15,311	19,772
Chickasaw	2,175	977	1,198	Newton	47,328	29,723	17,605
Choctaw	12,904	4,996	7,908	Noxubee	12,231	9,259	2,972
Claiborne	41,301	7,630	33,671	Oktober	5,738	2,351	3,387
Clarke	98,513	48,484	50,029	Panola	3,014	14	3,000
Clay	2,482	246	2,236	Pearl River	35,270	22,151	13,119
Copiah	54,850	29,250	25,600	Perry	27,449	20,870	6,579
Covington	32,009	20,267	11,742	Pike	39,510	25,754	13,756
De Soto	602	...	602	Pontotoc	5,223	4,558	665
Forrest	31,390	19,319	12,071	Prentiss	2,695	2,237	458
Franklin	42,976	24,449	18,527	Quitman	1,025	...	1,025
George	30,520	23,503	7,017	Rankin	46,657	31,701	14,956
Greene	56,637	36,285	20,352	Scott	31,904	22,589	9,315
Grenada	4,408	338	4,070	Sharkey	2,462	...	2,462
Hancock	37,811	34,859	2,952	Simpson	34,379	18,888	15,491
Harrison	31,819	29,898	1,921	Smith	29,890	18,413	11,477
Hinds	38,076	13,150	24,926	Stone	26,387	17,988	8,399
Holmes	20,554	4,231	16,323	Sunflower	571	...	571
Humphreys	5,178	...	5,178	Tallahatchie	4,651	483	4,168
Issaquena	4,632	...	4,632	Tippah	115	...	115
Itawamba	244	244	...	Tishomingo	5,480	5,480	...
Jackson	45,477	41,310	4,167	Tunica	3,401	...	3,401
Jasper	95,162	62,805	32,357	Union	5,786	3,831	1,955
Jefferson	33,496	14,892	18,604	Walthall	17,532	10,426	7,106
Jefferson Davis	10,619	7,172	3,447	Warren	32,305	568	31,737
Jones	71,014	42,863	28,151	Washington	11,319	...	11,319
Kemper	50,152	35,043	15,109	Wayne	43,148	21,827	21,321
Lafayette	8,318	711	7,607	Webster	12,775	5,803	6,972
Lamar	19,734	14,323	5,411	Wilkinson	17,643	6,327	11,316
Lauderdale	56,163	34,930	21,233	Winston	26,718	15,294	11,424
Lawrence	39,185	21,390	17,795	Yalobusha	7,164	524	6,640
Leake	42,991	21,681	21,310	Yazoo	5,172	83	5,089
Lee	59	36	23	All counties	1,875,544	1,024,294	851,250
Leflore	6,077	10	6,067				

Table 16. Round pulpwood production in North Carolina, 1959

County	All species	Pine	Hardwood	County	All species	Pine	Hardwood
<i>Standard cords</i>				<i>Standard cords</i>			
Alamance	3,099	2,890	209	Lee	10,296	8,766	1,530
Alexander	1,986	1,986	...	Lenoir	10,166	10,166	...
Anson	46,523	36,157	10,366	Lincoln	4,584	4,352	232
Ashe	14	...	14	McDowell	14,423	10,557	3,866
Avery	431	...	431	Macon	16,663	4,489	12,174
Beaufort	54,534	43,798	10,736	Madison	7,624	4,098	3,526
Bertie	18,226	16,049	2,177	Martin	24,549	21,549	3,000
Bladen	64,867	48,087	16,780	Mecklenburg	27,337	21,302	6,035
Brunswick	88,547	77,593	10,954	Mitchell	252	...	252
Buncombe	60,041	22,154	37,887	Montgomery	19,111	17,618	1,493
Burke	16,381	15,043	1,338	Moore	28,660	23,902	4,758
Cabarrus	6,384	6,283	101	Nash	17,799	13,148	4,651
Caldwell	14,287	11,411	2,876	New Hanover	13,718	13,482	236
Camden	10,123	8,652	1,471	Northampton	14,718	14,718	...
Carteret	30,631	29,955	676	Onslow	70,581	69,404	1,177
Caswell	2,423	2,423	...	Orange	4,751	4,062	689
Catawba	2,835	2,741	94	Pamlico	7,722	6,654	1,068
Chatham	33,007	25,759	7,248	Pasquotank	294	212	82
Cherokee	35,955	25,481	10,474	Pender	48,249	40,724	7,525
Chowan	4,130	3,792	338	Perquimans	1,811	1,811	...
Cleveland	6,977	6,966	11	Person	10,144	10,125	19
Columbus	47,311	38,191	9,120	Pitt	35,849	31,715	4,134
Craven	56,192	46,819	9,373	Polk	15,704	5,158	10,546
Cumberland	13,789	11,378	2,411	Randolph	3,934	3,762	172
Currituck	2,625	1,886	739	Richmond	23,611	18,564	5,047
Dare	8	8	...	Robeson	43,108	34,761	8,347
Davidson	3,453	3,432	21	Rockingham	9,387	9,387	...
Davie	4,383	4,049	334	Rowan	4,217	4,217	...
Duplin	24,308	22,456	1,852	Rutherford	18,425	9,649	8,776
Durham	14,746	14,667	79	Sampson	41,895	35,757	6,138
Edgecombe	11,608	10,504	1,104	Scotland	5,630	4,692	938
Forsyth	7,242	7,133	109	Stanly	5,456	5,035	421
Franklin	59,252	48,826	10,426	Stokes	1,507	1,507	...
Gaston	17,897	16,566	1,331	Surry	15,420	15,420	...
Gates	24,720	17,695	7,025	Swain	8,296	4,529	3,767
Graham	1,685	689	996	Transylvania	18,553	2,049	16,504
Granville	12,590	12,325	265	Tyrrell	24,550	19,473	5,077
Greene	1,222	1,184	38	Union	14,281	12,408	1,873
Guilford	12,405	8,993	3,412	Vance	9,209	6,908	2,301
Halifax	37,573	37,311	262	Wake	41,321	36,169	5,152
Harnett	15,988	15,036	952	Warren	34,984	28,141	6,843
Haywood	15,261	1,943	13,318	Washington	7,925	3,248	4,677
Henderson	28,973	6,453	22,520	Watauga	36	...	36
Hertford	8,973	7,274	1,699	Wayne	16,870	16,192	678
Hoke	1,556	1,164	392	Wilkes	4,287	4,287	...
Hyde	22,184	18,321	3,863	Wilson	10,056	9,883	173
Iredell	42,309	24,901	17,408	Yancey	11	...	11
Jackson	43,023	8,069	34,954	All counties	1,834,074	1,429,454	404,620
Johnston	14,421	12,877	1,544				
Jones	19,002	18,034	968				

Table 17. Round pulpwood production in Oklahoma, 1959

County	All species	Pine	Hardwood
<i>Standard cords</i>			
Adair	31	31	...
Choctaw	1,179	1,179	...
Latimer	490	490	...
Le Flore	6,909	6,909	...
McCurtain	16,511	16,299	212
Mayes	8,816	...	8,816
Pushmataha	4,161	4,161	...
All counties	38,097	29,069	9,028

Table 18. Round pulpwood production in South Carolina, 1959

County	All species	Pine	Hardwood	County	All species	Pine	Hardwood
<i>Standard cords</i>				<i>Standard cords</i>			
Abbeville	42,531	40,051	2,480	Jasper	42,933	32,960	9,973
Aiken	34,725	30,873	3,852	Kershaw	69,803	46,164	23,639
Allendale	34,539	25,671	8,868	Lancaster	49,974	44,208	5,766
Anderson	35,388	34,653	735	Laurens	42,335	38,643	3,692
Bamberg	19,107	10,247	8,860	Lee	18,823	6,933	11,890
Barnwell	11,069	8,964	2,105	Lexington	18,112	16,003	2,109
Beaufort	19,539	17,117	2,422	McCormick	27,134	26,446	688
Berkeley	57,312	44,913	12,399	Marion	16,058	13,312	2,746
Calhoun	7,033	5,760	1,273	Marlboro	15,636	7,726	7,910
Charleston	46,062	36,579	9,483	Newberry	76,118	66,730	9,388
Cherokee	15,729	15,449	280	Oconee	22,302	19,969	2,333
Chester	60,888	50,687	10,201	Orangeburg	34,063	20,919	13,144
Chesterfield	49,894	20,491	29,403	Pickens	9,259	7,931	1,328
Clarendon	19,127	10,940	8,187	Richland	44,095	30,177	13,918
Colleton	66,420	49,960	16,460	Saluda	20,013	18,632	1,381
Darlington	31,410	13,122	18,288	Spartanburg	40,451	34,999	5,452
Dillon	10,836	7,036	3,800	Sumter	22,024	13,640	8,384
Dorchester	37,231	26,926	10,305	Union	46,927	43,079	3,848
Edgefield	64,555	55,288	9,267	Williamsburg	28,435	17,823	10,612
Fairfield	127,247	112,452	14,795	York	36,363	33,833	2,530
Florence	30,377	21,242	9,135	All counties	1,709,922	1,342,075	367,847
Georgetown	85,473	60,251	25,222				
Greenville	16,111	15,905	206				
Greenwood	38,268	36,453	1,815				
Hampton	34,699	23,002	11,697				
Horry	33,494	27,916	5,578				

Table 19. Round pulpwood production in Tennessee, 1959

County	All species	Pine	Hardwood	County	All species	Pine	Hardwood
<i>Standard cords</i>				<i>Standard cords</i>			
Anderson	7,022	5,955	1,067	Knox	8,000	6,718	1,282
Benton	2,162	2,162	...	Lewis	27	27	...
Bledsoe	3,194	1,896	1,298	Loudon	1,293	707	586
Blount	9,725	8,683	1,042	McMinn	27,251	14,977	12,274
Bradley	11,540	7,868	3,672	McNairy	3	3	...
Campbell	4,227	2,677	1,550	Madison	57	57	...
Carroll	93	93	...	Marion	4,157	4,157	...
Carter	6,538	...	6,538	Meigs	8,963	5,790	3,173
Chester	601	601	...	Monroe	31,387	19,486	11,901
Claiborne	5,167	3,686	1,481	Morgan	27,748	7,383	20,365
Cocke	13,952	12,165	1,787	Overton	1,135	1,135	...
Cumberland	17,760	4,457	13,303	Polk	15,456	11,415	4,041
Decatur	509	509	...	Putnam	582	536	46
Fentress	8,305	7,681	624	Rhea	11,708	6,672	5,036
Grainger	1,745	1,157	588	Roane	6,526	3,627	2,899
Greene	11,420	5,338	6,082	Scott	10,031	6,651	3,380
Grundy	1,802	1,802	...	Sequatchie	1,499	1,430	69
Hamblen	685	416	269	Sevier	8,128	7,886	242
Hamilton	8,691	7,240	1,451	Shelby	5,066	...	5,066
Hancock	638	453	185	Sullivan	12,686	18	12,668
Hardeman	2,714	2,714	...	Unicoi	2,449	...	2,449
Hardin	47	47	...	Union	6,375	5,801	574
Hawkins	16,534	5,583	10,951	Van Buren	473	473	...
Henderson	3,639	3,639	...	Warren	1,419	1,419	...
Hickman	89	89	...	Washington	12,410	6,949	5,461
Jefferson	124	117	7	White	513	473	40
Johnson	1,812	...	1,812	All counties	346,077	200,818	145,259

Table 20. Round pulpwood production in Texas, 1959

County	All species	Pine	Hardwood	County	All species	Pine	Hardwood
<i>Standard cords</i>				<i>Standard cords</i>			
Anderson	13,067	10,342	2,725	Madison	139	...	139
Angelina	51,485	50,499	986	Marion	22,622	17,406	5,216
Austin	160	114	46	Montgomery	53,845	38,145	15,700
Bastrop	450	450	...	Morris	8,761	7,426	1,335
Bowie	12,549	12,549	...	Nacogdoches	55,814	54,315	1,499
Brazos	38	...	38	Newton	50,974	31,733	19,241
Burleson	491	27	464	Orange	4,701	2,368	2,333
Camp	4,447	3,321	1,126	Panola	25,881	23,974	1,907
Cass	31,181	28,146	3,035	Polk	63,332	49,009	14,323
Chambers	1,828	999	829	Red River	8,289	8,289	...
Cherokee	36,579	34,209	2,370	Robertson	65	...	65
Colorado	587	226	361	Rusk	27,867	26,307	1,560
Falls	1,305	...	1,305	Sabine	41,784	35,956	5,828
Fort Bend	591	...	591	San Augustine	46,029	36,825	9,204
Franklin	839	833	6	San Jacinto	13,405	10,220	3,185
Gregg	8,665	7,769	896	Shelby	64,836	55,475	9,361
Grimes	13,527	13,115	412	Smith	14,074	12,335	1,739
Hardin	46,877	31,802	15,075	Titus	856	821	35
Harris	37,601	20,968	16,633	Trinity	35,457	33,476	1,981
Harrison	33,550	27,632	5,918	Tyler	41,383	28,576	12,807
Henderson	629	629	...	Upshur	28,659	26,553	2,106
Houston	39,897	35,327	4,570	Walker	40,010	34,353	5,657
Jasper	71,494	52,953	18,541	Waller	421	43	378
Jefferson	1,580	513	1,067	Washington	656	...	656
Liberty	56,464	36,677	19,787	Wood	3,624	3,624	...
McLennan	683	...	683	All counties	1,120,048	906,329	213,719

Table 21. Round pulpwood production in Virginia, 1959

County	All species	Pine	Hardwood	County	All species	Pine	Hardwood
Standard cords				Standard cords			
Accomack	7,962	7,962	...	King William	19,304	18,083	1,221
Albemarle	22,850	20,454	2,396	Lancaster	11,815	11,815	...
Alleghany	49,118	9,762	39,356	Lee	994	...	994
Amelia	21,451	19,001	2,450	Loudoun	92	92	...
Amherst	61,759	28,344	33,415	Louisa	16,985	16,780	205
Appomattox	50,127	26,023	24,104	Lunenburg	19,294	17,249	2,045
Arlington	24	24	...	Madison	2,777	2,773	4
Augusta	14,774	7,755	7,019	Mathews	2,443	2,443	...
Bath	44,565	4,167	40,398	Mecklenburg	23,990	21,693	2,297
Bedford	52,123	38,433	13,690	Middlesex	9,198	9,155	43
Bland	4	4	...	Montgomery	1,726	1,726	...
Botetourt	22,986	9,818	13,168	Nansemond	12,958	8,081	4,877
Brunswick	81,429	67,197	14,232	Nelson	26,518	18,217	8,301
Buckingham	63,640	45,881	17,759	New Kent	27,830	26,602	1,228
Campbell	54,628	48,156	6,472	Norfolk	324	296	28
Caroline	25,285	24,832	453	Northampton	297	297	...
Carroll	770	770	...	Northumberland	7,503	7,503	...
Charles City	27,063	18,881	8,182	Nottoway	34,043	28,980	5,063
Charlotte	20,436	19,212	1,224	Orange	11,067	9,432	1,635
Chesterfield	23,830	19,547	4,283	Page	664	627	37
Clarke	130	130	...	Patrick	2,281	2,281	...
Craig	24,507	12,007	12,500	Pittsylvania	33,846	31,986	1,860
Culpeper	7,703	6,302	1,401	Powhatan	10,838	10,785	53
Cumberland	15,582	14,981	601	Prince Edward	34,107	32,363	1,744
Dinwiddie	35,809	31,442	4,367	Prince George	37,342	30,436	6,906
Elizabeth City	6	6	...	Prince William	19,208	18,574	634
Essex	13,562	13,562	...	Rappahannock	446	446	...
Fairfax	6,194	6,194	...	Richmond	9,992	9,992	...
Fauquier	2,856	2,850	6	Roanoke	3,786	3,786	...
Floyd	390	390	...	Rockbridge	37,644	9,376	28,268
Fluvanna	21,518	18,871	2,647	Rockingham	4,989	2,961	2,028
Franklin	29,241	28,996	245	Russell	736	...	736
Frederick	13,827	12,846	981	Scott	17,375	39	17,336
Giles	241	16	225	Shenandoah	5,184	5,184	...
Gloucester	15,090	13,681	1,409	Smyth	2	2	...
Goochland	30,724	28,338	2,386	Southampton	42,865	31,094	11,771
Greene	3,580	3,546	34	Spotsylvania	15,909	15,161	748
Greensville	34,428	29,684	4,744	Stafford	9,650	9,650	...
Halifax	23,512	23,369	143	Surry	18,751	12,217	6,534
Hanover	15,244	14,813	431	Sussex	36,144	29,634	6,510
Henrico	6,839	6,820	19	Warren	2,862	2,432	430
Henry	21,280	21,061	219	Warwick	470	452	18
Highland	12,650	901	11,749	Washington	9,161	4,180	4,981
Isle of Wight	17,918	10,927	6,991	Westmoreland	11,671	11,671	...
James City	10,522	9,248	1,274	Wise	696	...	696
King and Queen	26,351	25,077	1,274	Wythe	5,313	5,313	...
King George	17	17	...	York	8,193	7,649	544
				All counties	1,643,828	1,241,806	402,022

Table 22. Companies drawing pulpwood from the South, 1959

State and plant location	Name of company and map code ¹	Pulp capacity 24 hours ²	State and plant location	Name of company and map code ¹	Pulp capacity 24 hours ²
Tons			Tons		
ALABAMA			MISSISSIPPI		
Brewton	(1) Container Corp. of America	300	Meridian	(45) Flintkote Co.	132
Coosa Pines	(2) Coosa River Newsprint Co.	600	Moss Point	(46) International Paper Co.	650
Demopolis	(3) Gulf States Paper Corp.	400	Natchez	(47) International Paper Co.	900
Tuscaloosa	(4) Gulf States Paper Corp.	400	Natchez	(48) Johns-Manville Products Corp.	350
Mobile	(5) International Paper Co.	1,290	Laurel	(49) Masonite Corp.	800
Naheola	(6) Marathon Southern Corp.	315	Greenville	(50) United States Gypsum Co.	240
Mobile	(7) National Gypsum Co.	300	NORTH CAROLINA		
Mobile	(8) The Ruberoid Co.	48	Canton	(51) Champion Paper and Fibre Co.	980
Mobile	(9) Scott Paper Co.	550	Roanoke	(52) Halifax Paper Co.	500
ARKANSAS			Rapids		
Crossett	(10) The Crossett Co.	625	Sylva	(53) The Mead Corp.	225
Pine Bluff	(11) Dierks Paper Co.	150	Plymouth	(54) North Carolina Pulp Co.	1,450
Camden	(12) International Paper Co.	615	Acme	(55) Riegel Carolina Corp.	680
Pine Bluff	(13) International Paper Co.	895	OHIO		
FLORIDA			Circleville	(56) Container Corp. of America	110
Pensacola	(14) Armstrong Cork Co.	130	Chillicothe	(57) The Mead Corp.	210
Foley	(15) The Buckeye Cellulose Corp.	600	OKLAHOMA		
Fernandina	(16) Container Corp. of America	600	Pryor	(58) Bestwall Gypsum Co.	90
Palatka	(17) Hudson Pulp and Paper Corp.	850	PENNSYLVANIA		
Panama City	(18) International Paper Co.	1,620	York Haven	(59) International Paper Co.	65
Jacksonville	(19) Owens-Illinois Glass Co.	500	Spring Grove	(60) P. H. Glatfelter Co.	190
Fernandina	(20) Rayonier, Inc.	350	SOUTH CAROLINA		
Port St. Joe	(21) St. Joe Paper Co.	1,200	Catawba	(61) Bowaters Carolina Corp.	400
Jacksonville	(22) St. Regis Paper Co.	1,500	Georgetown	(62) International Paper Co.	1,990
Pensacola	(23) St. Regis Paper Co.	750	Hartsville	(63) Sonoco Products Co.	590
GEORGIA			Charleston	(64) West Virginia Pulp and Paper Co.	1,350
Macon	(24) Armstrong Cork Co.	200	TENNESSEE		
Brunswick	(25) Brunswick Pulp and Paper Co.	460	Calhoun	(65) Bowaters Southern Paper Corp.	1,375
Savannah	(26) Certain-teed Products Corp.	60	Harriman	(66) The Mead Corp.	112
Savannah	(27) Continental Can Co.	600	Kingsport	(67) The Mead Corp.	240
Macon	(28) Georgia Kraft Co.	675	Knoxville	(68) Southern Extract Co.	105
Valdosta	(29) Owens-Illinois Glass Co.	630	TEXAS		
Jesup	(30) Rayonier, Inc.	675	Pasadena	(69) Champion Paper and Fibre Co.	650
Rome	(31) Rome Kraft Co.	725	Evadale	(70) East Texas Pulp and Paper Co.	415
St. Marys	(32) St. Marys Kraft Corp.	800	Dallas	(71) The Ruberoid Co.	60
Savannah	(33) Union Bag-Camp Paper Corp.	2,050	Diboll	(72) Southern Pine Lumber Co.	130
LOUISIANA			Lufkin	(73) Southland Paper Mills	1,150
Shreveport	(34) Bird and Son	60	VIRGINIA		
Elizabeth	(35) Calcasieu Paper Co.	240	West Point	(74) Chesapeake Corp. of Virginia	675
Hodge	(36) Continental Can Co., Inc.	580	Hopewell	(75) Continental Can Co.	700
New Orleans	(37) Flintkote Co.	60	Columbia	(76) James River Pulp Corp.	25
Bogalusa	(38) Gaylord Container Corp.	1,175	Lynchburg	(77) The Mead Corp.	175
Bastrop	(39) International Paper Co. (Bastrop Mill)	590	Big Island	(78) Owens-Illinois Glass Co.	175
Bastrop	(40) International Paper Co. (Louisiana Mill)	595	Jarratt	(79) Southern Johns-Manville Products Corp.	200
Springhill	(41) International Paper Co.	1,420	Franklin	(80) Union Bag-Camp Paper Co.	600
West Monroe	(42) Olin Mathieson Chemical Corp.	650	Covington	(81) West Virginia Pulp and Paper Co.	930
St. Francisville	(43) St. Francisville Paper Corp.	235			
MARYLAND					
Luke	(44) West Virginia Pulp and Paper Co.	425			

¹ Corresponds to numbers at mill locations in fig. 7.² Southern Pulp and Paper Manufacturer, vol. 22, no. 10 (Oct. 1, 1959); and other sources.

Table 23. *Pulp mills under construction or announced in the South*

State and plant location	Name of company and map code ¹	Pulp capacity 24 hrs. ² Tons
FLORIDA		
Port St. Joe	(82) Florida Gulf Fibre Co.	450
GEORGIA		
Augusta	(83) Continental Can Co.	350
Manchester	(84) Southern Land, Timber, and Pulp Corp.	400
LOUISIANA		
Baton Rouge	(85) Noralyn Paper Mills, Inc.	150
MISSISSIPPI		
Lumberton	(86) Lumberton Pulp Co.	100
SOUTH CAROLINA		
Catawba	(87) Bowaters Board Co.	175
TENNESSEE		
Counce	(88) Tennessee River Pulp and Paper Co.	500

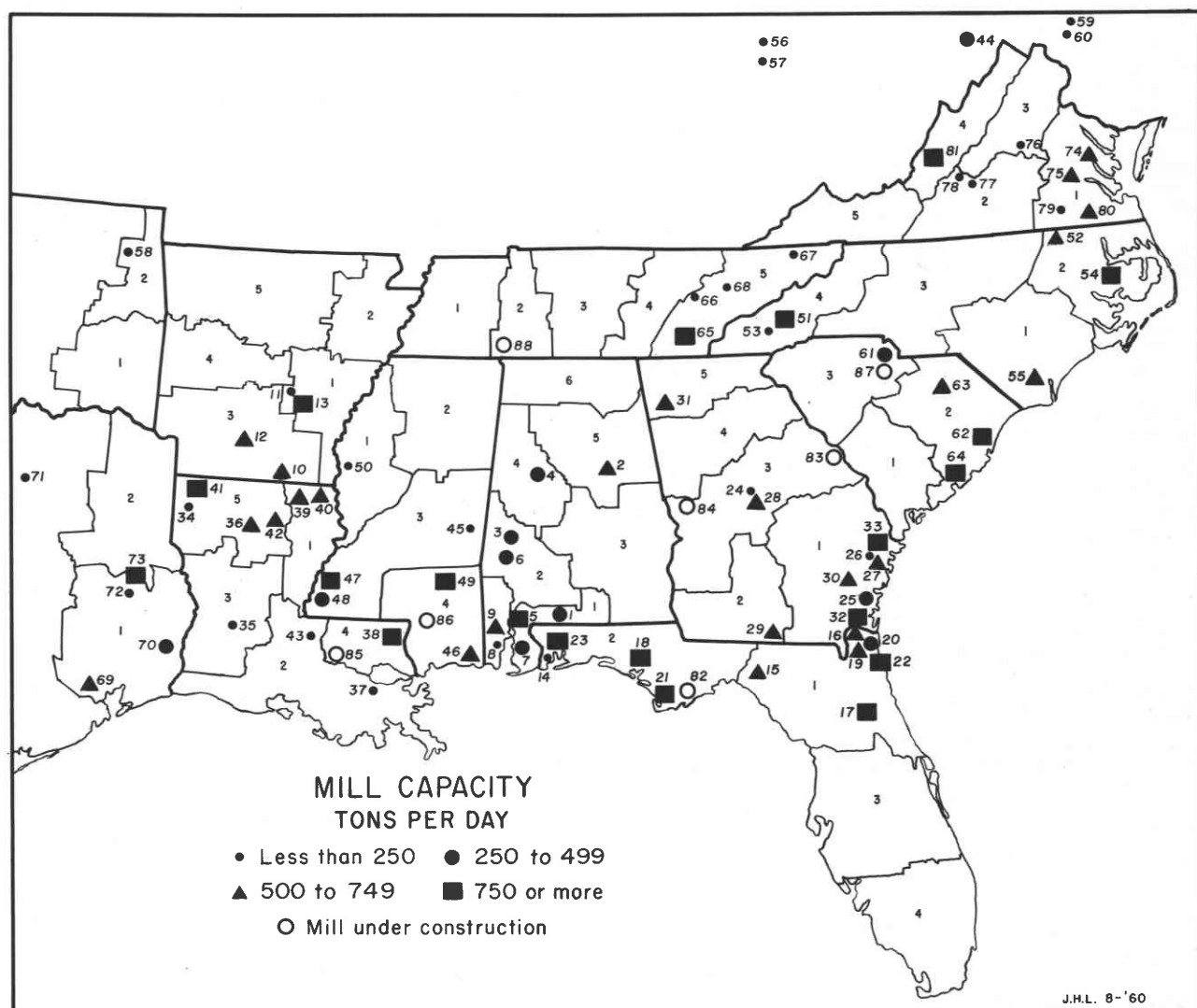
¹ Corresponds to numbers at mill locations in fig. 7.² Southern Pulp and Paper Manufacturer, vol. 22, no. 10 (Oct. 1, 1959); and other sources.Figure 7. *Pulp mills drawing wood from the South, 1959. Numbered areas are Forest Survey regions. Small numbers at mill locations correspond to numbers in tables 22 and 23.*



Figure 8. Southern counties.

FOREST SURVEY RELEASE 56

SOUTHEASTERN FOREST EXPERIMENT STATION

ASHEVILLE, NORTH CAROLINA

1960