

East Texas Forest Industries, 1974

Daniel F. Bertelson



Southern Forest Experiment Station
Forest Service
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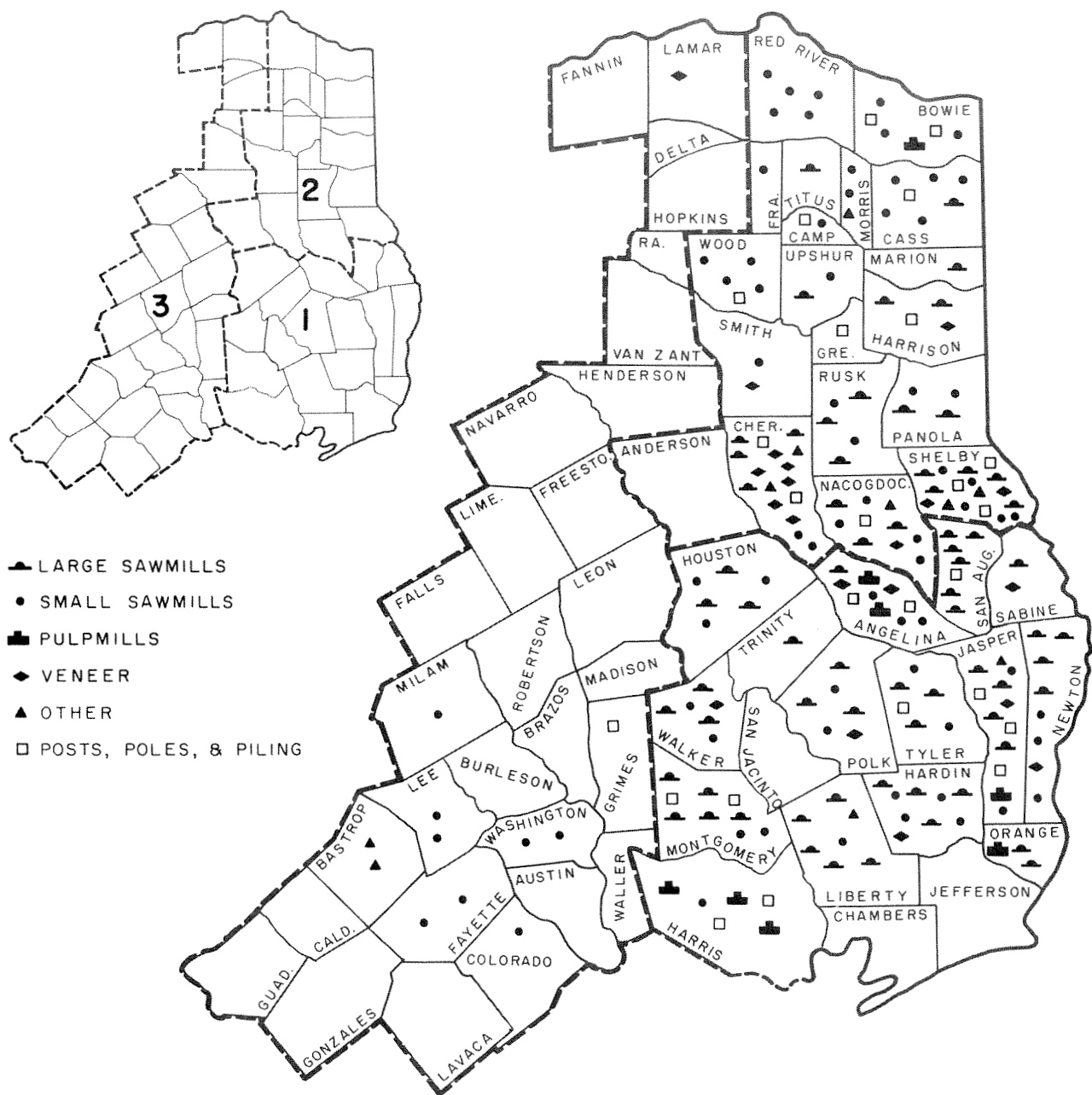
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Primary wood-using plants and Forest Resource Units of East Texas, 1974.

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East Texas forests supplied more than 456 million cubic feet of roundwood to forest industries in 1974, an increase of 78 percent since 1964. Softwoods, mainly pine, made up over four-fifths of the total. Pulpwood and saw logs were the major products, accounting for 83 percent of the harvest. Veneer logs added over 15 percent, and poles made up more than half of the remainder (fig. 1). A total of 202 wood-using plants were in operation.

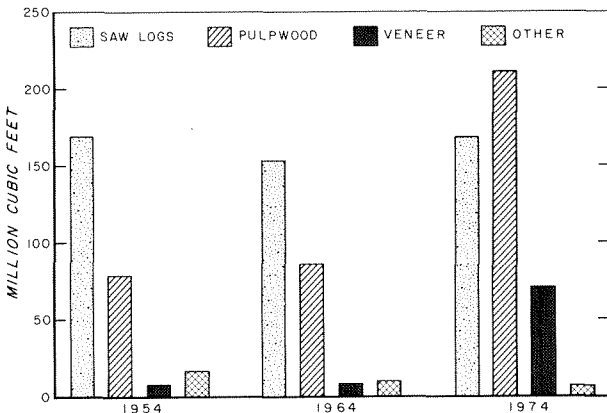


Figure 1.—Output of industrial roundwood, 1954-1974.

These are among the major findings of a canvass of all primary forest industries in East Texas. Previous surveys, conducted in 1954 and 1964, covered only Forest Resource Units 1 and 2. This canvass was extended to include Unit 3. Since the volume of wood harvested in Unit 3 was less than 1 percent of the total, all comparisons in this report will be made with volumes from the past surveys and will not be adjusted because of the extended area of study.

All primary wood-using plants in East Texas were visited by personnel of the Texas Forest Service, under the supervision of Edwin H. Barron, and by members of the Forest Resources Research Unit of the Southern Forest Experiment Station. This report tabulates total produc-

tion and shows softwood and hardwood output by county. It also lists the names and addresses of all primary forest industries; plant locations and resource units are mapped on page ii.

PULPWOOD

Round pulpwood harvested in East Texas more than doubled in the last decade; in 1974 the harvest was a record 2.6 million cords (fig. 2). Pulpwood has overtaken saw logs as the main product in East Texas and accounted for 46 percent of the area's total roundwood harvest.

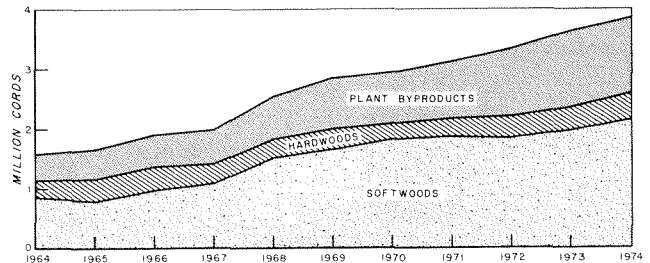


Figure 2.—Pulpwood production in East Texas, 1964-1974.

Softwoods (exclusively pine) comprised 83 percent of the total pulpwood harvest, an increase of 8 percent over 1964. Hardwood species composition has changed significantly in the last decade, although oaks still contribute about 32 percent of the total hardwood harvest. Gums have fallen from 57 percent to 19 percent of the total, and all other hardwoods have risen from 10 percent to 49 percent.

East Texas exported 661,000 cords of pulpwood to three adjacent States, and it imported some 232,000 cords from five States. Pulpmills in East Texas processed 2.2 million cords of roundwood, and 89 percent came from within the State.

Construction of four new plants as well as expansion of existing facilities has almost tripled East Texas' pulping capability from 2,595 tons per day in 1964 to 7,075 tons in 1974. Individual pulping capacity at the eight mills ranges from 50 to 1,450 tons daily. The sulfate process is used for two-thirds of the wood that is pulped in the area.

In addition to the roundwood volume, the equivalent of over 1.2 million cords of East Texas plant byproducts were used by pulpmills. This volume represents almost one-third of the area's total pulpwood production. Although the use of plant byproducts increased less than 1 percent last year, since 1964 it has almost tripled. The modest increase in 1974 reflects a leveling off of the availability of plant byproducts; more than 87 percent of the area's coarse residues were sold to the pulp industry. Further increases in the volume of plant byproducts available to pulpmills will depend upon increases in the production of plywood and lumber. The installation of chipping headrigs, which produce more chips and less sawdust, also will add to the available material.

SAW LOGS

East Texas produced over 1 billion board feet of saw logs in 1974, an increase of 11 percent since 1964 and a return to the level of 1954. Softwoods, mainly pine but including some cypress and redcedar, made up over 75 percent of the total volume. Two-thirds of the hardwood saw logs were oak, and the gums accounted for another 20 percent.

A total of 139 sawmills were in operation in East Texas in 1974. Sixty-eight were classed as large mills, in that individually they cut more than 3 million board feet annually, and 23 of these each produced over 10 million board feet in 1974. The large mills processed 91 percent of the lumber manufactured in East Texas; more than 77 percent of their output was softwood. Over 56 percent of the logs sawn at the 71 small sawmills were hardwood. Fourteen sawmills, which processed 40 percent of the area's lumber,

used chipping headrigs. Production of individual mills ranged from 2,100 to over 61 million board feet. The average output per mill in 1974 was 7.4 million board feet.

Almost half of the logs harvested crossed county lines before being sawn. This figure indicates the dominance of the large sawmills since small mills generally procure their raw materials in their home counties. Interstate movement was minor; less than 6 percent of the saw log harvest was to surrounding States, and only 34 million board feet were imported. Most of the movement between States was softwood.

All but five large sawmills reported selling wood chips to pulpmills in 1974, and 20 small mills disposed of their residues in the same manner. Over 58 million cubic feet of coarse residues were generated by the area's sawmills, and 90 percent of this volume was sold to the pulp industry.

VENEER

East Texas forests produced 460 million board feet of veneer logs in 1974, over 10 times the 1964 harvest (fig. 3). This great increase is the result of the expansion of the southern pine plywood industry. In 1974, East Texas had 20 veneer plants in operation. Nine produced pine plywood, nine manufactured container veneer, and two produced flat or face veneer.

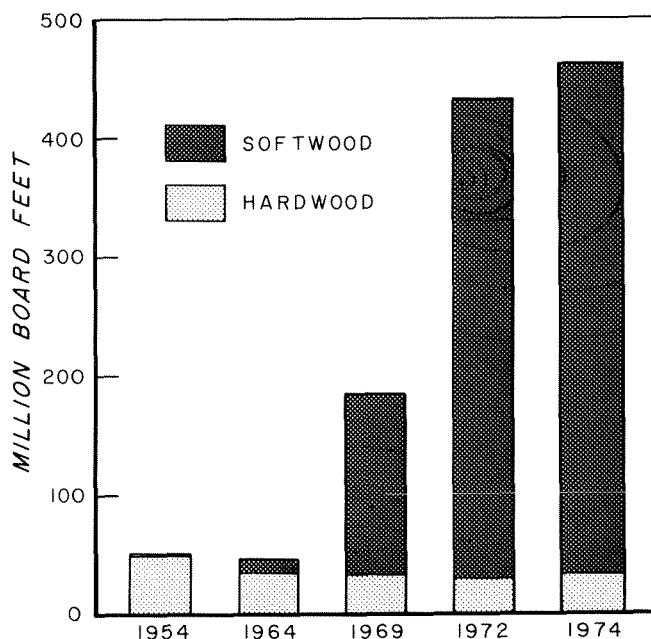


Figure 3.—Softwood and hardwood veneer log production, 1954-1974.

Before the introduction of pine plywood, softwood made up less than 1 percent of East Texas' annual veneer log harvest. In 1964, two pine plywood plants began limited production, and softwoods accounted for 22 percent of the 43 million board feet of veneer logs harvested. By 1969, there were six plywood plants in operation; veneer log harvest had quadrupled, and softwoods increased to 82 percent. The area's veneer log production rose to 460 million board feet in 1974, and softwoods accounted for 95 percent of the total. The nine plywood plants processed 390 million board feet of pine veneer logs, which is over 99 percent of all the softwood veneer volume and 94 percent of the total volume manufactured in East Texas. Two plywood plants began operation in the last months of the year and had only a minor inventory in 1974. The average production of the seven plants in full operation was 54 million board feet.

Hardwood veneer production has been declining for the past two decades along with the number of plants. In 1954, East Texas harvested 50 million board feet of hardwood veneer logs, and 21 veneer plants were in operation. By 1964, the volume dropped to 34 million board feet, and the number of mills was reduced to 16. The 1974 harvest was 21 million board feet, and there were 11 plants. Including imported logs, the hardwood veneer plants processed over 25 million board feet in 1974; about 60 percent was processed by the two face veneer plants.

East Texas veneer plants imported 5 million board feet of veneer logs, and the area exported 50 million board feet, all pine, to surrounding States. The industry converted 84 percent of its coarse residues into pulp chips and produced 64 million board feet of studs from veneer cores.

OTHER PRODUCTS

All other products accounted for just over 1 percent of the total East Texas roundwood harvest. Over half of the volume was converted into poles, and the remainder went to such products as piling, posts, cooperage, handlestock, furniture stock, and other industrial items.

PLANT RESIDUES

In converting roundwood into primary products, East Texas forest industries generated 135

million cubic feet of various wood residues. Three-fourths of this volume was in coarse items such as slabs, edgings, cull pieces, and other material suitable for conversion into pulp chips. The rest was comprised of finer particles such as sawdust and shavings.

Forest industries converted 95 percent of their coarse and 80 percent of their fine wood residues into plant byproducts in 1974. Pulp chips for fiber was the prevalent use of coarse residues, and over half of the fine residues were pulped. The acceptance of fine particles by pulpmills has increased in recent years.

Over 100 million cubic feet of plant byproducts went into the production of pulp. Another 11 million cubic feet were burned for domestic and industrial fuel. Twelve million cubic feet were used for miscellaneous purposes such as studs, charcoal, animal bedding, and soil mulch (fig. 4).

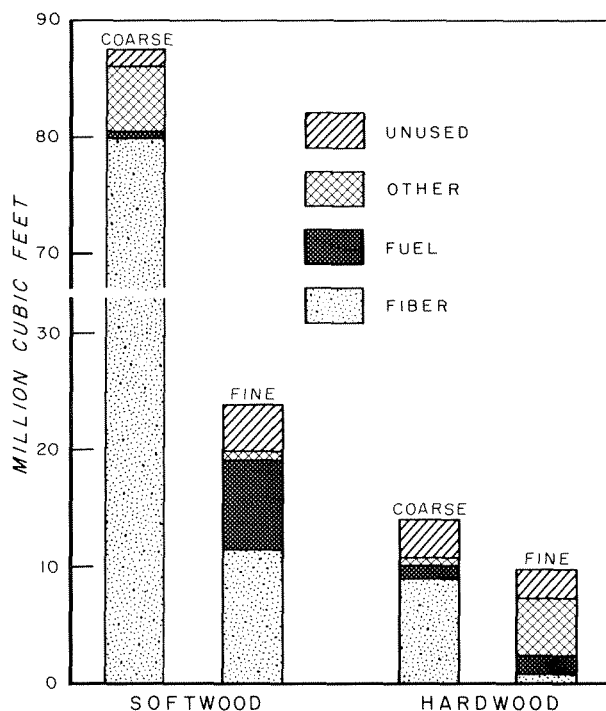


Figure 4.—Use of East Texas plant residues, 1974.

Over 1.2 million tons of bark were accumulated by East Texas forest industries in 1974. Over 85 percent of this volume was utilized; industrial fuel accounted for 88 percent of bark use. Other uses were for charcoal, domestic fuel, animal bedding, and soil mulch. The remaining 184,000 tons of bark went unused.

Table 1. *Volume of industrial roundwood, 1974*

Product	Volume in standard units				Roundwood volume		
	Standard units	All species	Softwood	Hardwood	All species	Softwood	Hardwood
- - - - M ft ³ - - - -							
Saw logs	M fbm ¹	1,030,098	776,352	253,746	168,400	125,847	42,553
Veneer logs	M fbm ¹	460,815	439,331	21,484	71,086	67,481	3,605
Pulpwood	Std. cords	2,601,060	2,168,435	432,625	210,254	175,644	34,610
Piling	M linear ft.	244	244	...	202	202	...
Poles	M pieces	378	378	...	4,120	4,120	...
Posts	M pieces	2,089	2,089	...	1,417	1,417	...
Misc. products ²	M ft ³	982	199	783	982	199	783
Total		...	...	...	456,461	374,910	81,551

¹International $\frac{1}{4}$ -inch rule.²Includes furniture stock, handlestock, cooperage, and other industrial products.Table 2. *Industrial roundwood by species, 1974*

Species group	Saw logs	Veneer logs	Pulpwood	Piling	Poles	Posts	Miscellaneous products
- - - - M fbm ¹ - - - - Std cords M linear feet - - M pieces - - - - M ft ³ - -							
Softwood:							
Pines	776,184	439,331	2,168,435	244	378	2,089	178
Cypress	150	...	...	...	...	...	...
Other softwoods	18	...	...	...	...	...	21
Total	776,352	439,331	2,168,435	244	378	2,089	199
Hardwood:							
Black and tupelo gums	11,393	1,825	² 84,246	...	...	...	...
Sweetgum	38,870	4,412	...	...	...	...	...
Red oaks	102,455	7,275	³ 139,111	...	...	...	39
White oaks	66,976	3,178	...	...	...	...	272
Other hardwoods	34,052	4,794	209,268	...	...	...	472
Total	253,746	21,484	432,625	...	...	...	783
All species	1,030,098	460,815	2,601,060	244	378	2,089	982

¹International $\frac{1}{4}$ -inch rule.²Black and tupelo combined with sweetgum.³Red and white oaks combined.Table 3. *Residues produced by primary wood-using plants, 1974*

Type of industry ¹	All species			Softwood			Hardwood		
	Total	Fine ²	Coarse ³	Total	Fine ²	Coarse ³	Total	Fine ²	Coarse ³
- - - - - M ft ³ - - - - -									
Lumber	89,629	31,277	58,352	68,585	21,881	46,704	21,044	9,396	11,648
Veneer	43,778	1,291	42,487	41,655	1,216	40,439	2,123	75	2,048
Piling, poles and posts	1,113	709	404	1,113	709	404	...	...	...
Miscellaneous products	568	304	264	95	57	38	473	247	226
All products	135,088	33,581	101,507	111,448	23,863	87,585	23,640	9,718	13,922

¹Excludes wood pulp industry.²Fine residues includes sawdust, screenings and other material generally too small for chipping.³Coarse residues include slabs, edgings, trimmings, and other material generally suitable for chipping.

Table 4. *Volume of primary plant byproducts, 1974*

Source industry ¹	Type of use	All species	Softwood	Hardwood
----- M ft ³ -----				
Lumber	Fuel ²	9,827	7,848	1,979
	Fiber ³	63,493	55,230	8,263
	Other ⁴	6,298	938	5,360
	Total	79,618	64,016	15,602
Veneer	Fuel	1,065	455	610
	Fiber	37,090	35,840	1,250
	Other	5,546	5,342	204
	Total	43,701	41,637	2,064
Piling, poles and posts	Fuel	65	65	...
	Fiber	120	120	...
	Other	69	69	...
	Total	254	254	...
Miscellaneous industries	Fuel	131	83	48
	Fiber	103	...	103
	Other	132	10	122
	Total	366	93	273
All industries	Fuel	11,088	8,451	2,637
	Fiber	100,806	91,190	9,616
	Other	12,045	6,359	5,686
	Total	123,939	106,000	17,939

¹Excludes wood pulp industry.²Includes all residues used as fuel by industrial plants and domestic fuel either sold or given away.³Includes all residues used in manufacture of fiber products, such as pulp or hardboard.⁴Includes residues used as livestock bedding, mulch, floor sweepings, and speciality items.Table 5. *Movement of industrial roundwood by product, 1974*

Product	Unit	Out of State receipts	Logged and remained in State	Logged and shipped out of State	Total receipts	Total production
----- Standard units -----						
Saw logs	M fbm ¹	34,125	969,965	60,133	1,004,090	1,030,098
Veneer	M fbm ¹	5,493	410,470	50,345	415,963	460,815
Pulpwood	Std. cords	231,556	1,939,745	661,315	2,171,301	2,601,060
Piling	M linear ft.	10	244	...	254	244
Poles	M pieces	134	372	6	506	378
Posts	M pieces	116	1,923	166	2,039	2,089
Misc. products	M ft ³	128	976	6	1,104	982

¹International 1/4-inch rule.

Table 6. *Saw log production by county, 1974*

County ¹	All species	Softwood	Hardwood	County ¹	All species	Softwood	Hardwood
- - - - - M fbm ² - - - - -				- - - - - M fbm ² - - - - -			
Anderson	13,366	10,565	2,801	Montgomery	40,387	38,155	2,232
Angelina	37,370	31,024	6,346	Morris	1,873	692	1,181
Austin	16	12	4	Nacogdoches	39,242	26,396	12,846
Bowie	8,626	5,874	2,752	Navarro	142	60	82
Burleson	6	...	6	Newton	54,007	47,910	6,097
Camp	1,663	1,412	251	Orange	9,169	7,039	2,130
Cass	26,776	19,909	6,867	Panola	40,950	34,105	6,845
Chambers	2,093	2,093	...	Polk	79,610	73,439	6,171
Cherokee	37,691	22,377	15,314	Rains	222	...	222
Colorado	128	14	114	Red River	14,419	10,320	4,099
Fayette	306	144	162	Rusk	23,591	18,608	4,983
Franklin	1,054	...	1,054	Sabine	37,684	32,707	4,977
Freestone	28	12	16	San Augustine	38,171	28,004	10,167
Gregg	4,522	4,244	278	San Jacinto	9,119	7,918	1,201
Grimes	2,681	2,681	...	Shelby	47,844	39,225	8,619
Hardin	48,481	32,706	15,775	Smith	7,550	6,371	1,179
Harris	2,211	1,983	228	Titus	5,424	2,772	2,652
Harrison	26,034	20,069	5,965	Trinity	25,257	23,398	1,859
Houston	31,398	30,646	752	Tyler	73,209	54,967	18,242
Jasper	113,450	44,272	69,178	Upshur	10,908	7,274	3,634
Jefferson	5,755	3,308	2,447	Van Zandt	222	...	222
Lamar	330	...	330	Walker	34,266	32,157	2,109
Lee	25	4	21	Washington	2	1	1
Leon	5,819	1,013	4,806	Wood	8,177	5,484	2,693
Liberty	44,237	35,414	8,823				
Madison	1,808	1,298	510				
Marion	12,507	8,276	4,231				
Milam	272	...	272	All counties	1,030,098	776,352	253,746

¹Counties with negligible output are omitted.²International 1/4-inch rule.

Table 7. *Saw log movement, 1974*

County ¹	Logged and remained in county	Outgoing shipments	Incoming shipments	Total log receipts
- - - - - M fbm ² - - - - -				
Angelina	13,736	23,634	36,975	50,711
Bowie	2,270	6,356	444	2,714
Cass	10,642	16,134	2,922	13,564
Cherokee	23,527	14,164	4,502	28,029
Hardin	35,903	12,578	52,880	88,783
Houston	20,520	10,878	8,790	29,310
Jasper	79,382	34,068	47,457	126,839
Liberty	29,163	15,074	10,068	39,231
Montgomery	23,876	16,511	16,449	40,325
Nacogdoches	16,943	22,299	13,799	30,742
Newton	19,167	34,840	22,087	41,254
Panola	24,498	16,452	24,158	48,656
Polk	72,061	7,549	18,250	90,311
Red River	3,530	10,889	330	3,860
Rusk	15,483	8,108	25,145	40,628
San Augustine	15,929	22,242	20,123	36,052
Shelby	23,956	23,888	13,607	37,563
Tyler	37,489	35,720	7,618	45,107
Walker	28,919	5,347	33,765	62,684
Wood	492	7,685	...	492
All other counties	52,863	135,333	94,372	147,235
All counties	550,349	479,749	453,741	1,004,090

¹Counties with less than three sawmills are omitted.²International $\frac{1}{4}$ -inch rule.

Table 8. Round pulpwood production, 1974

County ¹	All species	Softwood	Hardwood	County ¹	All species	Softwood	Hardwood
- - - - Standard cords - - - -				- - - - Standard cords - - - -			
Anderson	16,588	14,113	2,475	Nacogdoches	108,146	88,411	19,735
Angelina	108,611	93,595	15,016	Newton	187,220	120,434	66,786
Bowie	44,192	28,438	15,754	Orange	24,827	22,451	2,376
Brazos	429	...	429	Panola	64,342	55,674	8,668
Camp	20,071	17,860	2,211	Polk	144,708	118,971	25,737
Cass	120,308	100,109	20,199	Red River	22,855	17,982	4,873
Chambers	13	13	...	Rusk	94,852	86,789	8,063
Cherokee	115,324	106,891	8,433	Sabine	20,317	15,044	5,273
Franklin	1,312	880	432	San Augustine	76,223	65,504	10,719
Gregg	18,873	16,990	1,883	San Jacinto	38,746	28,261	10,485
Grimes	8,895	7,906	989	Shelby	95,199	78,894	16,305
Hardin	109,577	73,120	36,457	Smith	87,054	86,013	1,041
Harris	21,067	15,699	5,368	Titus	5,233	2,931	2,302
Harrison	114,476	105,405	9,071	Trinity	143,430	141,974	1,456
Henderson	67	66	1	Tyler	136,953	113,255	23,698
Houston	71,385	65,341	6,044	Upshur	73,121	69,581	3,540
Jasper	176,775	134,421	42,354	Van Zandt	178	165	13
Jefferson	1,934	1,273	661	Walker	57,335	51,410	5,925
Lamar	25	...	25	Waller	166	147	19
Leon	577	164	413	Wood	40,967	30,881	10,086
Liberty	54,282	41,105	13,177				
Marion	91,493	74,722	16,771				
Montgomery	48,167	41,726	6,441				
Morris	34,747	33,826	921	All counties	2,601,060	2,168,435	432,625

¹Counties with negligible output are omitted.

Table 9. *Veneer log production by county, 1974*

County ¹	All species	Softwood	Hardwood	County ¹	All species	Softwood	Hardwood
- - - - - M fbm ² - - - - -				- - - - - M fbm ² - - - - -			
Anderson	11,426	11,426	...	Newton	34,230	34,230	...
Angelina	62,963	57,127	5,836	Orange	1,634	1,634	...
Bowie	1,977	1,696	281	Panola	10,028	10,028	...
Camp	181	181	...	Polk	23,653	23,653	...
Cass	14,244	14,009	235	Rains	6	...	6
Cherokee	21,004	19,248	1,756	Red River	782	409	373
Gregg	91	91	...	Robertson	46	...	46
Grimes	1,226	1,226	...	Rusk	24,076	23,310	766
Hardin	11,525	11,525	...	Sabine	11,803	10,532	1,271
Harris	1,226	1,226	...	San Augustine	8,229	7,804	425
Harrison	916	569	347	San Jacinto	3,469	3,469	...
Hopkins	383	...	383	Shelby	14,974	12,119	2,855
Houston	18,647	18,647	...	Smith	27	...	27
Jasper	34,736	34,736	...	Titus	90	90	...
Jefferson	91	91	...	Trinity	13,920	13,920	...
Lamar	36	...	36	Tyler	21,322	21,322	...
Leon	1,226	1,226	...	Upshur	551	545	6
Liberty	9,864	9,864	...	Van Zandt	6	...	6
Marion	3,433	3,314	119	Walker	24,518	24,518	...
Montgomery	18,388	18,388	...	Wood	390	...	390
Morris	216	182	34	All counties	460,815	439,331	21,484
Nacogdoches	53,262	46,976	6,286				

¹Counties with negligible output are omitted.²International 1/4-inch rule.Table 10. *Piling production by county, 1974*

County ¹	All species (Softwood)	County ¹	All species (Softwood)
<i>M linear feet</i>		<i>M linear feet</i>	
Angelina	39	Polk	3
Grimes	5	San Augustine	3
Houston	3	San Jacinto	12
Jasper	47	Shelby	3
Montgomery	22	Trinity	3
Nacogdoches	39	Tyler	51
Newton	1	Waller	<u>12</u>
Orange	1	All counties	244

¹Counties with negligible output are omitted.

Table 11. *Pole production by county, 1974*

County ¹	All species (Softwood)	County ¹	All species (Softwood)
<i>- M pieces -</i>		<i>- M pieces -</i>	
Angelina	18	Orange	1
Cherokee	5	Panola	1
Grimes	5	Polk	1
Hardin	27	San Augustine	11
Harrison	2	San Jacinto	12
Houston	5	Shelby	2
Jasper	30	Trinity	1
Marion	6	Tyler	113
Montgomery	19	Walker	12
Nacogdoches	105	Wood	<u>1</u>
Newton	1	All counties	378

¹Counties with negligible output are omitted.

Table 12. *Commercial post production by county, 1974*

County ¹	All species (Softwood)	County ¹	All species (Softwood)
<i>- M pieces -</i>		<i>- M pieces -</i>	
Angelina	32	Nacogdoches	125
Bowie	38	Panola	260
Camp	25	Polk	1
Cass	225	Red River	8
Cherokee	83	Rusk	96
Gregg	17	San Augustine	114
Grimes	40	San Jacinto	105
Harrison	259	Shelby	277
Houston	13	Trinity	1
Jasper	5	Tyler	6
Liberty	4	Upshur	8
Marion	43	Walker	101
Montgomery	181	Wood	<u>13</u>
Morris	9	All counties	2,089

¹Counties with negligible output are omitted.

Table 13. *Output of miscellaneous products by county, 1974*

County ¹	All species	Softwood	Hardwood	County ¹	All species	Softwood	Hardwood
----- M ft ³ -----				----- M ft ³ -----			
Anderson	23	18	5	Lee	3	3	...
Angelina	89	...	89	Leon	11	...	11
Bastrop	13	13	...	Liberty	6	...	6
Bowie	24	...	24	Nacogdoches	140	17	123
Camp	7	...	7	Navarro	123	...	123
Cherokee	124	106	18	Newton	11	...	11
Colorado	3	3	...	Polk	5	...	5
Fayette	3	3	...	Sabine	22	...	22
Freestone	129	...	129	San Augustine	68	...	68
Hardin	68	...	68	Shelby	34	...	34
Hopkins	6	...	6	Tyler	<u>11</u>	<u>...</u>	<u>11</u>
Houston	36	36	...	All counties	982	199	783
Jasper	23	...	23				

¹Counties with negligible output are omitted.Table 14. *Industrial roundwood production by county, 1974*

County ¹	All species	Softwood	Hardwood	County ¹	All species	Softwood	Hardwood
----- M ft ³ -----				----- M ft ³ -----			
Anderson	5,302	4,629	673	Marion	10,066	7,995	2,071
Angelina	24,972	21,638	3,334	Milam	46	...	46
Austin	3	2	1	Montgomery	13,637	12,747	890
Bastrop	13	13	...	Morris	3,164	2,886	278
Bowie	5,335	3,542	1,793	Nacogdoches	24,849	19,939	4,910
Brazos	34	...	34	Navarro	147	10	137
Burleson	1	...	1	Newton	29,166	22,789	6,377
Camp	1,946	1,720	226	Orange	3,768	3,221	547
Cass	16,447	13,640	2,807	Panola	13,604	11,763	1,841
Chambers	340	340	...	Polk	28,290	25,191	3,099
Cherokee	19,017	15,462	3,555	Rains	38	...	38
Colorado	24	5	19	Red River	4,337	3,198	1,139
Fayette	53	26	27	Robertson	8	...	8
Franklin	283	72	211	Rusk	15,302	13,693	1,609
Freestone	134	2	132	Sabine	9,630	8,138	1,492
Gregg	2,288	2,091	197	San Augustine	13,944	11,242	2,702
Grimes	1,424	1,345	79	San Jacinto	5,353	4,313	1,040
Hardin	18,921	13,291	5,630	Shelby	18,082	14,819	3,263
Harris	2,249	1,781	468	Smith	8,285	7,999	286
Harrison	13,858	12,074	1,784	Titus	1,330	701	629
Henderson	5	5	...	Trinity	17,876	17,448	428
Hopkins	70	...	70	Tyler	27,606	22,640	4,966
Houston	13,838	13,228	610	Upshur	7,798	6,904	894
Jasper	38,782	23,770	15,012	Van Zandt	53	13	40
Jefferson	1,117	654	463	Walker	14,175	13,347	828
Lamar	63	...	63	Waller	13	11	2
Lee	7	3	4	Wood	<u>4,729</u>	<u>3,406</u>	<u>1,323</u>
Leon	1,216	366	850	All counties	456,461	374,910	81,551
Liberty	13,127	10,588	2,539				
Madison	296	210	86				

¹Counties with negligible output are omitted.

Table 15. *Plant byproducts by county, 1974*

County ¹	All species		Softwood		Hardwood	
	Fine	Coarse	Fine	Coarse	Fine	Coarse
- - - - - M cubic feet - - - - -						
Angelina	399	13,824	371	13,781	28	43
Bowie	1	85	1	6	...	79
Cherokee	651	2,150	309	1,021	342	1,129
Hardin	2,870	9,365	2,095	8,337	775	1,028
Harris	3	...	3	...	...	...
Harrison	772	1,981	772	1,717	...	264
Houston	582	1,333	582	1,311	...	22
Jasper	4,166	8,394	1,625	7,986	2,541	408
Liberty	403	2,266	401	1,762	2	504
Montgomery	905	1,970	905	1,970	...	...
Morris	196	330	88	181	108	149
Nacogdoches	1,119	6,485	809	6,089	310	396
Newton	1,214	2,673	1,088	2,513	126	160
Panola	1,343	2,787	1,314	2,740	29	47
Polk	2,837	14,903	2,779	14,663	58	240
Red River	...	93	...	...	...	93
Rusk	1,143	2,368	884	1,899	259	469
San Augustine	727	1,836	156	985	571	851
Shelby	615	3,257	512	1,201	103	2,056
Tyler	1,485	2,401	612	1,286	873	1,115
Walker	1,976	10,177	1,879	10,055	97	122
Wood	6	28	...	20	6	8
All other counties	3,606	8,214	2,649	6,643	957	1,571
Total	27,019	96,920	19,834	86,166	7,185	10,754

¹Omitted counties have either negligible volume or less than three plants.

Table 16. *Unused plant residues by county, 1974*

County ¹	All species		Softwood		Hardwood	
	Fine	Coarse	Fine	Coarse	Fine	Coarse
- - - - - <i>M cubic feet</i> - - - - -						
Angelina	1,454	24	1,443	12	11	12
Bowie	203	117	111	69	92	48
Cherokee	431	66	182	14	249	52
Harris	107	91	107	91	...	...
Harrison	276	14	75	14	201	...
Houston	303	315	188	208	115	107
Jasper	315	2,363	257	24	58	2,339
Liberty	822	...	437	...	385	...
Montgomery	376	389	310	322	66	67
Morris	19	12	...	...	19	12
Nacogdoches	...	78	...	49	...	29
Newton	24	26	14	16	10	10
Panola	98	137	9	28	89	109
Polk	98	...	...	...	98	...
Red River	139	97	7	10	132	87
Rusk	114	...	19	...	95	...
San Augustine	481	63	343	36	138	27
Shelby	735	224	176	147	559	77
Tyler	84	62	77	53	7	9
Walker	70	98	64	89	6	9
Wood	12	2	11	1	1	1
All other counties	<u>401</u>	<u>409</u>	<u>199</u>	<u>236</u>	<u>202</u>	<u>173</u>
Total	6,562	4,587	4,029	1,419	2,533	3,168

¹Omitted counties have either negligible volume or less than three plants.

Table 17. *Bark used by county, 1974*

County	All species	Softwood	Hardwood	County	All species	Softwood	Hardwood
- - - - - Tons - - - - -				- - - - - Tons - - - - -			
Angelina	21,353	20,909	444	Newton	17,120	17,082	38
Bowie	46	46	...	Panola	14,437	13,944	493
Cherokee	13,947	3,928	10,019	Polk	30,746	28,244	2,502
Hardin	41,497	34,947	6,550	Rusk	13,206	8,479	4,727
Harrison	9,819	9,742	77	San Augustine	14,028	5,134	8,894
Houston	1,896	1,661	235	Shelby	12,434	4,944	7,490
Jasper	55,949	20,371	35,578	Tyler	4,749	3,185	1,564
Liberty	5,524	5,506	18	Walker	17,462	15,957	1,505
Montgomery	14,154	14,154	...	Wood	95	6	89
Morris	2,824	1,032	1,792	Other ¹	<u>773,534</u>	<u>621,318</u>	<u>152,216</u>
Nacogdoches	13,145	8,601	4,544	Total	1,077,965	839,190	238,775

¹Includes all pulpwood bark and all bark from counties with less than three plants.

Table 18. *Bark unused by county, 1974*

County	All species	Softwood	Hardwood	County	All species	Softwood	Hardwood
- - - - - Tons - - - - -				- - - - - Tons - - - - -			
Angelina	284	125	159	Newton	2,601	525	2,076
Bowie	6,298	4,847	1,451	Panola	4,098	2,714	1,384
Cherokee	4,948	2,790	2,158	Polk	6,607	6,607	...
Hardin	9,474	3,883	5,591	Red River	2,175	79	2,096
Harris	3,960	3,960	...	Rusk	3,711	2,890	821
Harrison	5,410	2,282	3,128	San Augustine	3,650	1,519	2,131
Houston	9,512	7,946	1,566	Shelby	14,230	4,160	10,070
Jasper	16,540	11,885	4,655	Tyler	19,958	7,791	12,167
Liberty	11,066	5,059	6,007	Walker	8,464	8,354	110
Montgomery	5,339	4,322	1,017	Wood	209	197	12
Morris	380	...	380	Other ¹	<u>44,789</u>	<u>38,496</u>	<u>6,293</u>
Nacogdoches	654	343	311	Total	184,357	120,774	63,583

¹Includes all pulpwood bark and all bark from counties with less than three plants.

Table 19. *Large sawmills*¹

County	Firm	Plant	
		Location	Address ²
Angelina	Temple Eastex Sawmill ³	Diboll	P.O. Drawer N
Cass	Anthony Forest Products ³	Atlanta	Box 450
Cherokee	Alto Studd Mill ³	Alto	Box 38
	Arrington Lbr. and Pallett Co.	Jacksonville	Box 883
	Bolton Bros. Lbr. Co. ³	Jacksonville	1017 E. Rusk
	Grogan Bros. Lbr. Co.	Alto	Box 475
Hardin	Allen-Peavy Lbr. Co., Inc. ³	Kountz	Box 0
	Kirby Lbr. Corporation ³	Silsbee	Box 1514, Houston
	Louisiana Pacific Corp. ³	Kountz	Box K
	South Louisiana Contractors ³	Batson	Box 69A
Harrison	Pyle Lbr. Co. ³	Marshall	Box 457
	Snider Lbr. Co. ³	Marshall	Box 668
Houston	Maddux Lbr. Co.	Lovelady	R.R. 1
	Oliver Bass Lbr. Co., Inc. ³	Kennard	Box 116
	Stowe Lbr. Co. ³	Crockett	Box 805
Jasper	Louisiana Pacific Corp. ³	Jasper	Box 730
	Lowery Bros. Lbr. Co. ³	Kirbyville	Drawer 220
	Martindale Lbr. Co. ³	Jasper	Box 341
	Owens-Illinois, Inc. ³	Jasper	Box 1000
Liberty	Lemieux Lbr. Co. ³	Devers	Box 306
	Liberty Lbr. Co. ³	Liberty	Box 409
	P & R Lbr. Co. ³	Cleveland	Drawer 1088
	Rye Lbr. Co. ³	Moss Hill	Box 100A, Batson
	Williams Forest Products ³	Celveland	Hwy. 59S
Marion	Mauldin Bros. Lbr. Co. ³	Jefferson	Rt. 3, Box 484
Montgomery	Brabham-Parker Lbr. Co. ³	Willis	Box 406
	A.H. Curry & Son Lbr. Co. ³	Conroe	Box 1203
	H.L.M. Lbr. Co.	Willis	Box 215
	Splendora Lbr. Co., Inc. ³	Splendora	Box 388
	Roy L. Willis Lbr. Co. ³	Conroe	Box 746
Nacogdoches	Middlebrook Lbr. Co., Inc. ³	Nacogdoches	4117 Center Rd.
	Nacogdoches Lbr. Co. ³	Nacogdoches	1214 Old Tyler Rd.
	Timber Industries, Inc. ³	Cushing	Box 43
Newton	Bon Wier Lbr. Co. ³	Bon Wier	Box 240
	McDonald Lbr. Co. ³	Bleakwood	Box 519, Kirbyville
	Newton Lbr. Co. ³	Newton	Box 457
	Wiergate Lbr. Co., Inc. ³	Wiergate	Box 268
Orange	W.D. Rogers Lbr. Co. ³	Orange	Rt. 3, Box 285
	Tex-La Lbr. Co. ³	Mauriceville	Box 128
Panola	Darnell Lbr. Co. ³	Carthage	Box 248
	Louisiana Pacific Corp. ³	Carthage	Box 688
Polk	Legget Lbr. Co., Inc. ³	Livingston	Box 352
	Livingston Wood Products ³	Livingston	Box 312
	U.S. Plywood Champion International ³	Camden	Drawer 77

Table 19. *Large sawmills*¹ (Continued)

County	Firm	Plant	
		Location	Address ²
Rusk	International Paper Co. ³	Henderson	Box 709
	Langford Lbr. Co. ³	Mt. Enterprise	Box 56
	W.D. Townley & Son Lbr. Co., Inc. ³	Henderson	Box 726
Sabine	Temple Industries ³	Pineland	
San Augustine	A.P. Enterprises ³	White Rock	Box 582
	Birdwell Inc. ³	San Augustine	Box 212
	Rayburn Tie Mill ³	Broadus	Box 582, San Augustine
	San Augustine Lbr. Co., Inc. ³	San Augustine	Box 536
	San Augustine Wood Products Co. ³	San Augustine	306 Maple
	White Rock Lbr. Co. ³	White Rock	Box 582
Shelby	Anderson Manufacturing Co. ³	Tenaha	Box 368
	K. & C. Tie Co. ³	Grisby	Rt.3, Box 287, Garrison
	Kimbrough Brothers ³	Joaquin	Box 86, Garrison
	Robertson Tie & Lbr. Co., Inc. ³	Neuville	Rt. 5, Box 57M, Center
	Tyre Lbr. Co., Inc.	Timpson	Box 190
Titus	Cypress Lbr. Co. ³	Mt. Pleasant	1401 Proctor
Trinity	Louisiana Pacific Corp. ³	Trinity	Box 591
Tyler	E & L Lbr. Co. ³	Woodville	Box 607
	L.H. Martindale Lbr. Co. ³	Town Bluff	Rt.3, Box 7, Jasper
	Woodville Lbr. Co., Inc. ³	Woodville	Box 8
Upshur	Dean Lbr. Co. ³	Gilmer	Box 610
Walker	Louisiana Pacific Sawmill ³	New Waverly	Box 368
	Oliver Bros. Lbr. Co. ³	Huntsville	R.R. 4, Box 244
	Walker Bros. Lbr. Co., Inc. ³	Huntsville	Box 88

¹Output of 3 million board feet or more.²Office address specified when different from plant location.³Produced chips for sale to pulpmills.

Table 20. *Small sawmills*¹

County	Firm	Plant	
		Location	Address ²
Angelina	Abbott and Walker Tie Mill	Huntington	R.R. 2, Box 138B
	Ernest W. Walker	Huntington	R.R. 2, Box 144B
	Truett Lbr. Co.	Huntington	Box 78
Bowie	George Baker Sawmill	DeKalb	Rt.4, Box 239A
	Cecil Phillips Lbr. Co.	DeKalb	Rt. 4, Box 63
	Walker Sawmill	DeKalb	Rt. 2
Camp	Eugene Gross Lbr. Mill	Pittsburg	Rt. 2, Box 15
Cass	Cass County Treating Co. ³	Linden	Drawer C
	Daniel Burkhalter Lbr. Co.	Linden	Rt. 2, Box 169
	Grider Gipson Sawmill	Linden	
	Carson Whatley Lbr. Co. ³	Bivins	Box 7127
	Howe Wood Mill	Kildare	
Cherokee	Maxwell Lbr. Co. ³	Mt. Selmon	Box 1072, Jacksonville
	Wallace Lbr. Co.	Rusk	Box 316
Colorado	Emmett Berger Lbr. Co.	Alleyton	Rt.2, Box 199
Fayette	Monroe Jurk	Warda	Box 33
	Pete Wilson Sawmill	Winchester	Box 4, Bastrop
Franklin	J.W. Gross Lbr. Co.	Hagansport	Rt. 1, Annona
Hardin	Big Thicket Tie & Lbr., Inc. ³	Votaw	213 E. Lake Dr., Livingston
	Coley Lbr. Co. ³	Saratoga	Box 226
	Puckett Tie & Lbr. Co. ³	Votaw	Box 826, Livingston
	United Forest Production ³	Honey Island	Box 987, Kountz
Harris	Kleb & Theiss Lbr. Co., Inc.	Spring	6518 Klein Cemetery Rd.
Houston	C.V. Ivy	Grapeland	Box 686
	Kennard Lbr. Co., Inc.	Kennard	Box 65
	Stutts Lbr. Co.	Grapeland	R.R.2, Box 16A
Jasper	A.A. Bean Lbr. Co. ³	Roganville	Box 181, Kirbyville
	Hart Stud Mill ³	Evadale	Jasper
Lee	Dan Browder Lbr. Co.	Lexington	Rt.1, Box 209
	Jimmy D. Mtschke Sawmill	Leobau	Rt.1, Lincoln
Liberty	J.C. Rice Lbr. Co. ³	Cleveland	Box 58
Milam	Wallace Brooks Lbr. Co.	Rockdale	602 Green St.
Montgomery	Giles Lbr. & Treating Co.	Montgomery	Box 701
	L & M Lumber Co., Inc. ³	Willis	
Morris	Collins Dimension Mill	Omaha	Box 671
	Leggett & Platt Inc. ³	Naples	
Nacogdoches	K.L. Barton & Tie Co.	Garrison	Box 306
	Cherokee Lbr. Co.	Nacogdoches	Rt. 4, Box 409B
	Cushing Lbr. Co.	Cushing	Box 331
	P & B Lbr. Co.	Douglas	Box 293,
			Nacogdoches

Table 20. *Small sawmills*¹ (Continued)

County	Firm	Plant	
		Location	Address ²
Newton	Jefferson Tie Mill	Newton	Rt. 1, Box 17
	D.A. McCorquodale Sawmill	Newton	Rt. 2, Box 518
	Richmond Timber Co.	Newton	Box 69, Burkeville
Panola	Gross and Janes Co.	Carthage	Box 243
	Kenneth Maines Tie Mill	Carthage	Rt.1, Beckville
Polk	Choate Creek Lbr. Co., Inc. ³	Livingston	Box 916
	Parrish Lbr. Co., Inc. ³	Corrigan	Box 174
Red River	Doyle Sawmill	Detroit	
	Magnolia Brush Manufacturers, Inc. ³	Clarksville	Box 932
	McKiney Sawmill	Boxelder	Rt. 1, Annona
	Bill Mitchell Lbr. Mill	Clarksville	1015 W. Madison
	Aubrey Raulston Sawmill	Bagwell	Rt. 1, Box 123
Rusk	Hodges Lbr. Co. ³	New Salem	Rt. 3, Henderson
	McKnight Lbr. Co.	Henderson	Rt. 3
Shelby	Center Plywood Co.	Center	Box 511
	Gee Lbr. Co. ³	Center	Rt. 5, Fox 270
	J.L. Ross Lbr. Co.	Timpson	Rt.1, Box 36
	Shelby County Lbr. Co., Inc. ³	Center	Rt. 1, Timpson
	Town Creek Cross Tie Co.	Shelbyville	Rt.1, Box 216B, Center
Smith	Cooper Tie Mill	Troup	Rt.5, Box 9W, Jacksonville
Tyler	Allison Pole Co. ³	Hillister	Box 328
	Hughes Tie Mill	Colmesneil	Box 233
Upshur	W.A. Watts Sawmill	Gilmer	Rt. 4
Walker	Brown Lbr. Co. ³	New Waverly	Box 117
	A.A. Steely Lbr. Co.	Huntsville	R.R.4, Box 128
Washington	Charlie Hohlt Sawmill	Burton	Rt.1, Box 137
	Kirby Mueller	Burton	Rt. 2
Wood	Bowden Lbr. Co.	Mineola	Box 293
	C.T. McIntosh Sawmill	Mineola	110 Maxine Dr.
	Carl D. Minick Sawmill	Winnsboro	Rt. 2
	O.E. Parmenter	Yantis	Rt. 1

¹Output of less than 3 million board feet.²Office address specified when different from plant location.³Produced chips for sale to pulpmills.

Table 21. *Wood pulpmills*

County	Firm	Location
Angelina	Southland Paper Mills, Inc. Temple Industries, Fiber Products Division	Lufkin Diboll
Bowie	International Paper Co.	Texarkana
Harris	The Celotex Corp. Champion International Southland Paper Mills, Inc.	Houston Pasadena Sheldon
Jasper	Eastex, Inc.	Evadale
Orange	Owens-Illinois, Forest Products Division	Orange

Table 22. *Veneer plants*

County	Firm	Plant		
		Location	Address ¹	Type ²
Angelina	Owens-Illinois Inc. ³ Temple Eastex Plywood Division ³	Lufkin Diboll	Box 1687 Box P	P P
Cherokee	Aber Box and Basket Co. ³ M & H Manufacturing Co. Maxwell Lbr. Co.	Jacksonville Dialville Mt. Selmon	Box 1270 Box 296 Box 1072, Jacksonville	C C C
	Newton Shank Mfg. Co. Peacock Crate Factory F.A. Shinalt and Sons	Jacksonville Jacksonville Turney	Box 1110 1529½ S. Jackson Rt. 1	C C C
Hardin	Kirby Lbr. Corp. ³	Silsbee	Box 1514, Houston	P
Harrison	Key Bros. Mfg. Co.	Marshall	Box 1177	C
Jasper	Owens-Illinois Inc. ³	Jasper	Box 1000	P
Lamar	American Box Co. ³	Paris	Box 720	C
Nacogdoches	International Paper Co. ³	Nacogdoches	Box 1029	P
Newton	Kirby Lbr. Corp. ³	Bon Wier	Box 1514, Houston	P
Polk	U.S. Plywood, Division of Champion International ³	Corrigan	Box 25D	P
Sabine	Temple Industries ³	Pineland		P
Shelby	E.L. Bruce Co., Inc. ³ Center Plywood Co.	Center Center	Box 826 Box 511	O O
Smith	B.C. Slover Crate Factory	Gresham	Rt.8, Tyler	C
Walker	Louisiana Pacific ³	New Waverly	Box 368	P

¹Office address specified when different from plant location.²C = Plants producing chiefly container veneer.

O = Plants producing chiefly commercial and other hardwood veneer.

P = Plants producing southern pine plywood.

³Produces chips for sale to pulpmills.

Table 23. *Post, pole, and piling plants*

County	Firm	Plant	
		Location	Address ¹
Angelina	Lufkin Creosoting Co., Inc. Temple Eastex Wood Processing Division	Lufkin Diboll	Box 1207 Drawer N
Bowie	Kerr-McGee Chemical Corp. Texarkana Wood Preserving Co.	Texarkana Texarkana	Box 690 Box 156
Camp	Payne Post Co.	Pittsburg	Box 84
Cass	Cass County Treating Co.	Linden	Drawer C
Cherokee	Lindsay Treating Plant Penta Pine Stockade Co.	Alto Alto	 Box 597
Gregg	Garland Creosoting Co.	Longview	Box 589
Grimes	International Paper Co.	Navasota	Box 788
Harris	Houston Chemical Service Inc. Koppers Co., Inc.	Houston Houston	12229 Almeda Rd. Box 16220
Harrison	Marshall Wood Preserving Co.	Marshall	Box 846
Jasper	Hart Creosoting Co. Jasper Creosoting Co. Texas Electric Coop Inc.	Jasper Jasper Jasper	 Box 510
Montgomery	Conroe Creosoting Co. Kaibab Industries	Conroe Willis	Box 9 Box 168
Nacogdoches	East Texas Wood Treating Co.	Nacogdoches	Box 972
San Augustine	Davis Post and Lbr. Co.	San Augustine	Box 363
Shelby	Conway Post Co. S & S Creosoting Co. Shelby Wood Treating Co.	Neuville Center Tenaha	Rt. 6, Box 120BB, Center Box 322 Box 188
Tyler	Allison Pole Co.	Hillister	Box 328
Wood	Texas Creosote Pole & Post Co.	Minola	Star Rt., Box 57

¹Office address specified when different from plant location.

Table 24. *Miscellaneous plants*

County	Firm	Plant	
		Location	Address
Bastrop	Texas Cedar Products ¹ Wampler Manufacturing Co. ²	Smithville Bastrop	Drawer 540 Rt. 2, Box 149
Cherokee	A.C. Miller Co. ³ Slover Crate & Lbr. Co. ¹	Jacksonville Rusk	Box 1232 Box 6
Jasper	Ramonedas Bros. ⁴	Jasper	Box 174
Liberty	H & R Hardwood Mill & Chair Factory ¹	Hardin	Box 106, Liberty
Morris	Ruhmann Manufacturing Co. ³	Omaha	Box 727
Nacogdoches	Old Smokey Hickory Chips ⁵	Nacogdoches	Box 972
Shelby	D. Schmutz Inc. ⁴ D. Schmutz Inc. ¹	Center Center	Box 1011 Box 1011

¹Furniture stock.

²Wood shavings.

³Handlestock.

⁴Cooperage.

⁵Wood chips.

Bertelson, Daniel F.

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Serv. Resour. Bull. SO-57)

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Additional keywords: Forest industries, pulpwood, saw logs, veneer, residues.

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