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Nelson T. Samson

Stephen F. Austin State College

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BULLETIN 10

JUNE, 1966

TEXAS PULPWOOD PRODUCTION

NELSON T. SAMSON



Stephen F. Austin State College

SCHOOL OF FORESTRY

Nacogdoches, Texas

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TEXAS PULPWOOD PRODUCTION

AN
ANALYSIS

BY

NELSON T. SAMSON
FOREST ECONOMIST



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no. 10

✓
Stephen F. Austin State College, *School of Forestry*
Nacogdoches, Texas

1964

TEXAS PULPWOOD PRODUCTION

was

1,590,000 CORDS

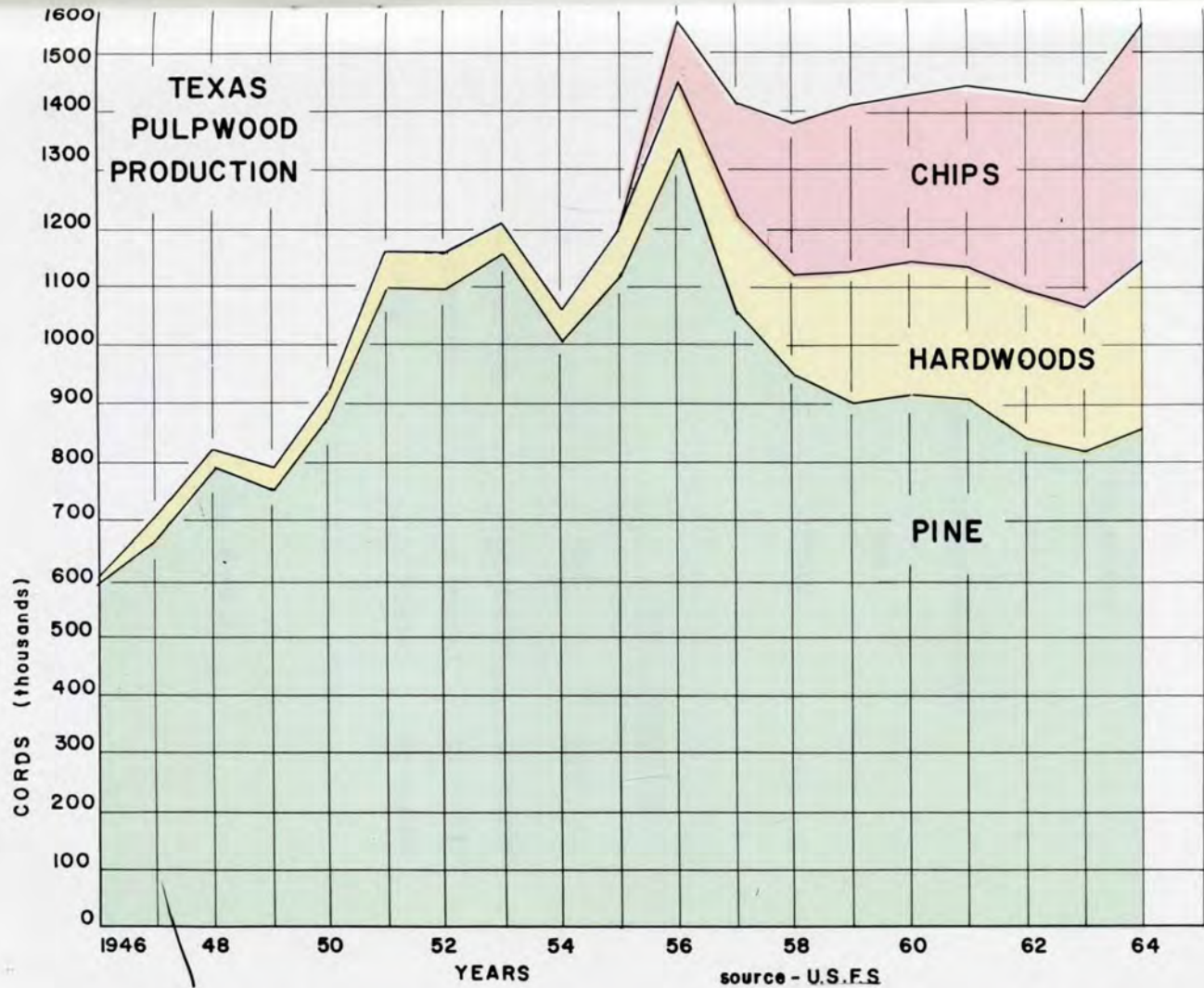
A closer look shows

ROUND PINE	857,400 CORDS
HARDWOOD	287,400 CORDS
CHIPS	446,100 CORDS

HARDWOOD and CHIP output continued their steady climb while PINE ROUNDWOOD showed a slight increase over 1963 production which had been the lowest output in the previous fifteen years.

PULPWOOD PRODUCTION, after a strong downward trend beginning in 1956, reattained this peak production rate in 1964.

See GRAPH I



source - U.S.F.S

THE MAKE-UP
of
TEXAS PULPWOOD PRODUCTION

has

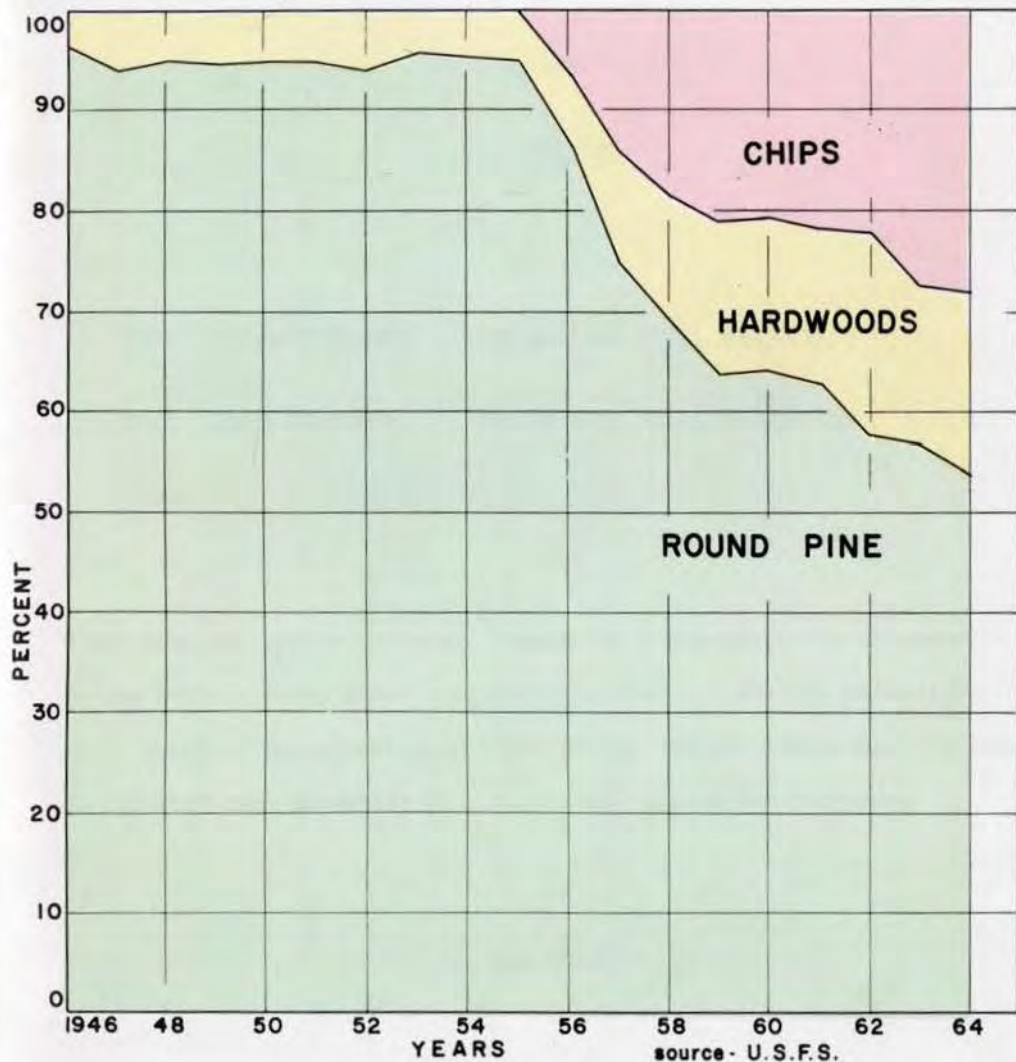
CHANGED

TOTAL PRODUCTION

	<u>1956</u>	<u>1964</u>
ROUND PINE	86 PERCENT	54 PERCENT
HARDWOOD	8 PERCENT	18 PERCENT
CHIPS	6 PERCENT	28 PERCENT

See GRAPH 2

TEXAS PULPWOOD PRODUCTION



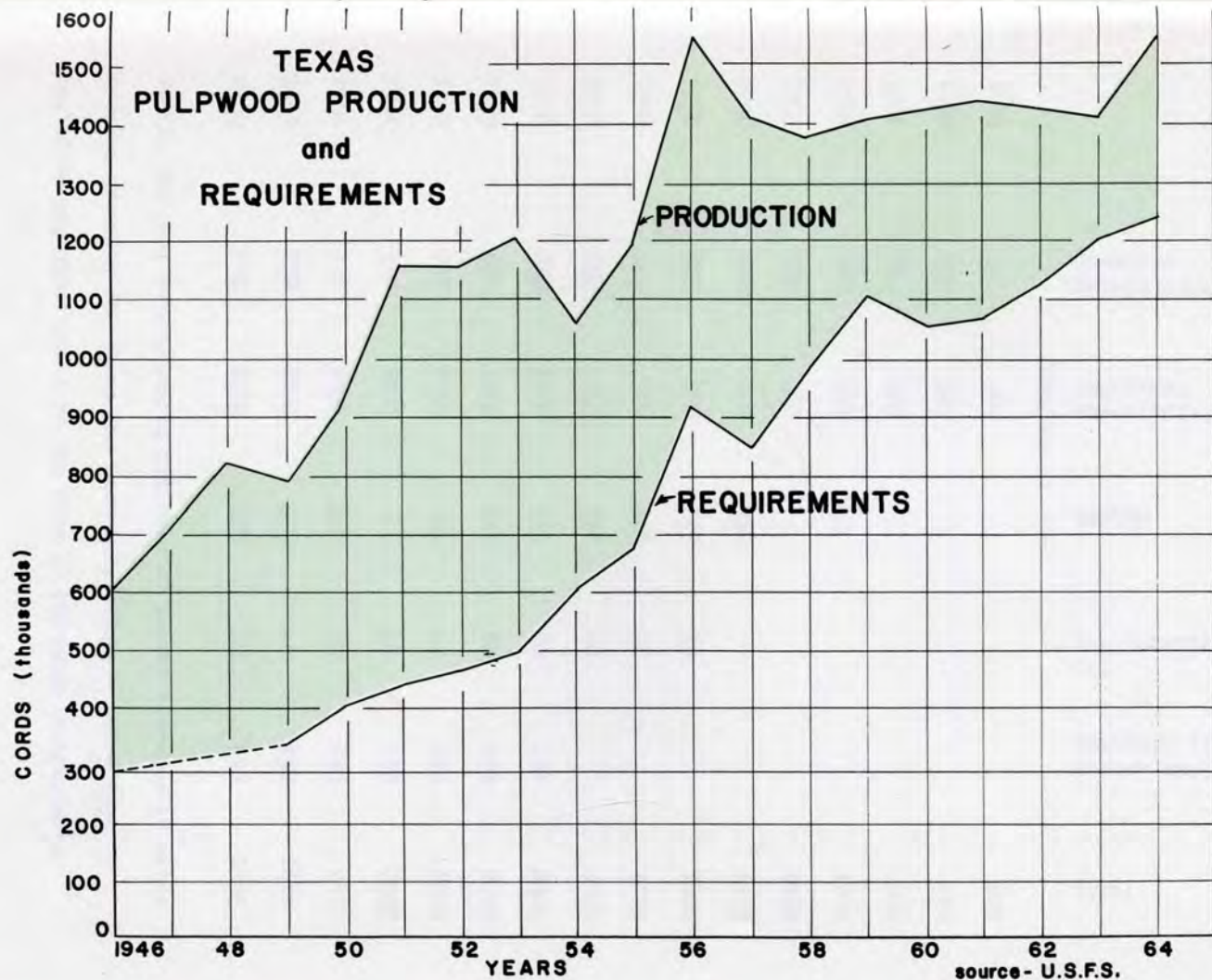
THE DESTINATION
of
TEXAS PULPWOOD PRODUCTION
has
CHANGED

1956 TEXAS CONSUMED 59% of its TOTAL PRODUCTION

1964 TEXAS CONSUMED 78% of its TOTAL PRODUCTION

There does not appear to be any reason for a change in the foreseeable future in this trend since neighboring states can readily satisfy their needs within a short radius of their mills. Future increases in pulpwood demand will come primarily as a result of Texas-based industry.

SEE GRAPH 3



TEXAS PULPING CAPACITY

	Champion Papers Inc.	Southland Paper Mills Tons/Day	Eastex	The Ruberold Co.	Southern Pine Lumber Co.	TOTAL
1949	410	480				890
1950	490	480				970
1951	510	480				990
1952	520	480				1000
1953	520	480				1000
1954	520	480	315			1315
1955	575	480	315	30		1400
1956	600	720	315	40		1675
1957	650	740	315	60		1765
1958	650	1150	315	60	130	2305
1959	650	1150	415	60	130	2405
1960	720	1250	425	40	130	2565
1961	750	1250	425	40	130	2595
1962	772	1250	425	40	130	2617
1963	772	1250	425	40	130	2617
1964	790	1250	425	40	130	2635

During the past twenty years, the rate of annual increase in daily pulping capacity for Texas has been only slightly below that in Louisiana and about equal to the rate of increase in Arkansas.

See GRAPH 4

Source: U.S.F.S.

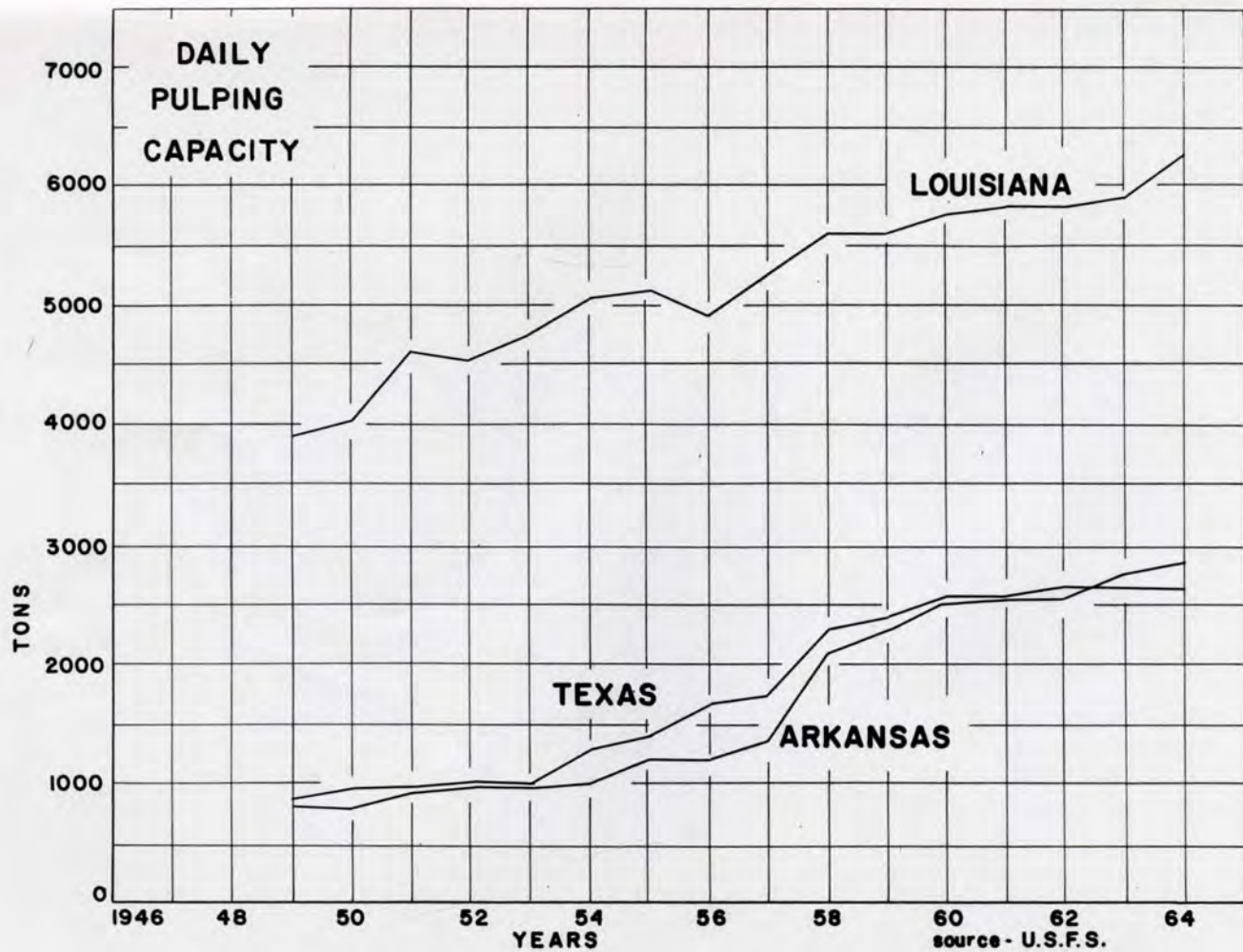
LOUISIANA and ARKANSAS

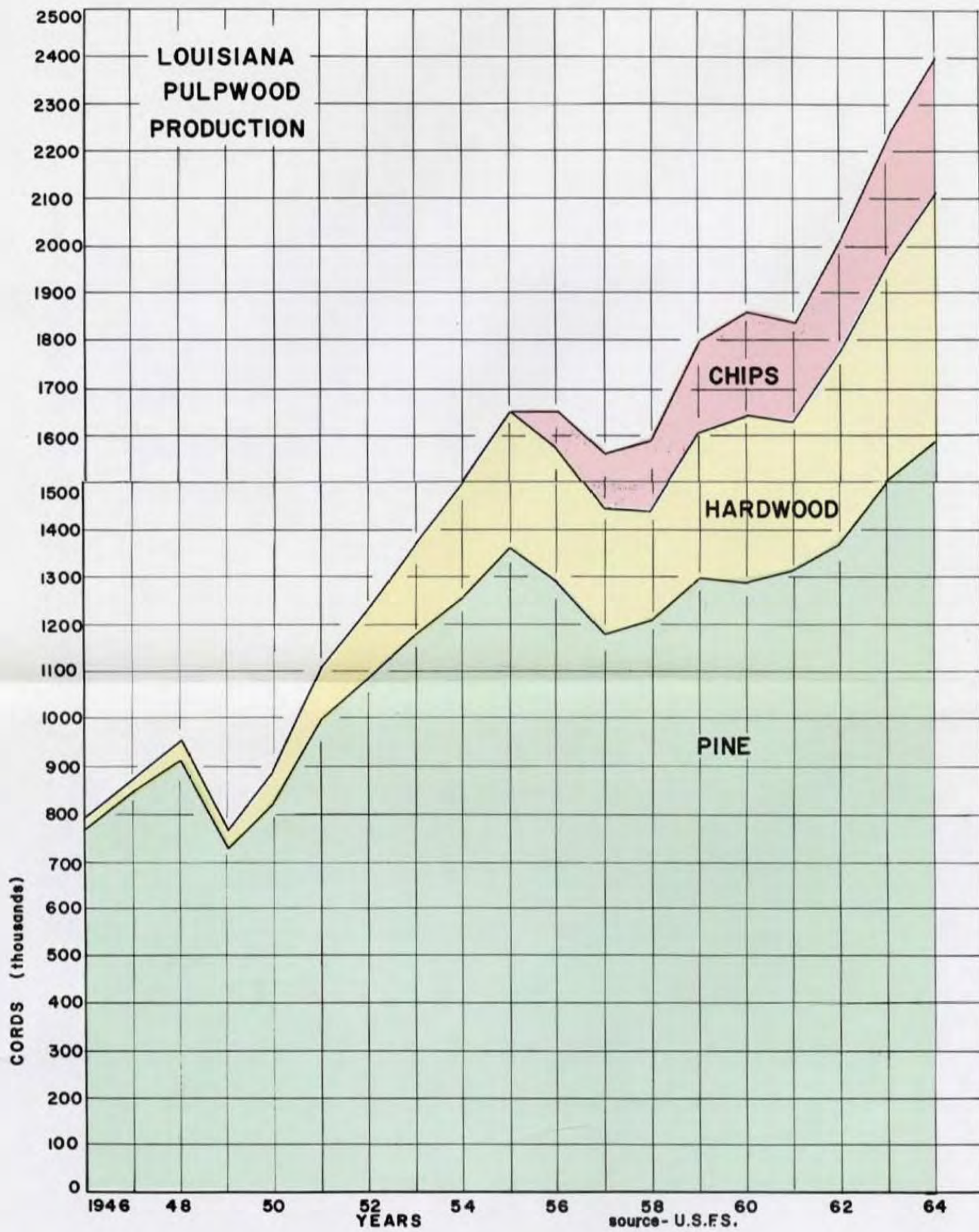
PULPWOOD PRODUCTION

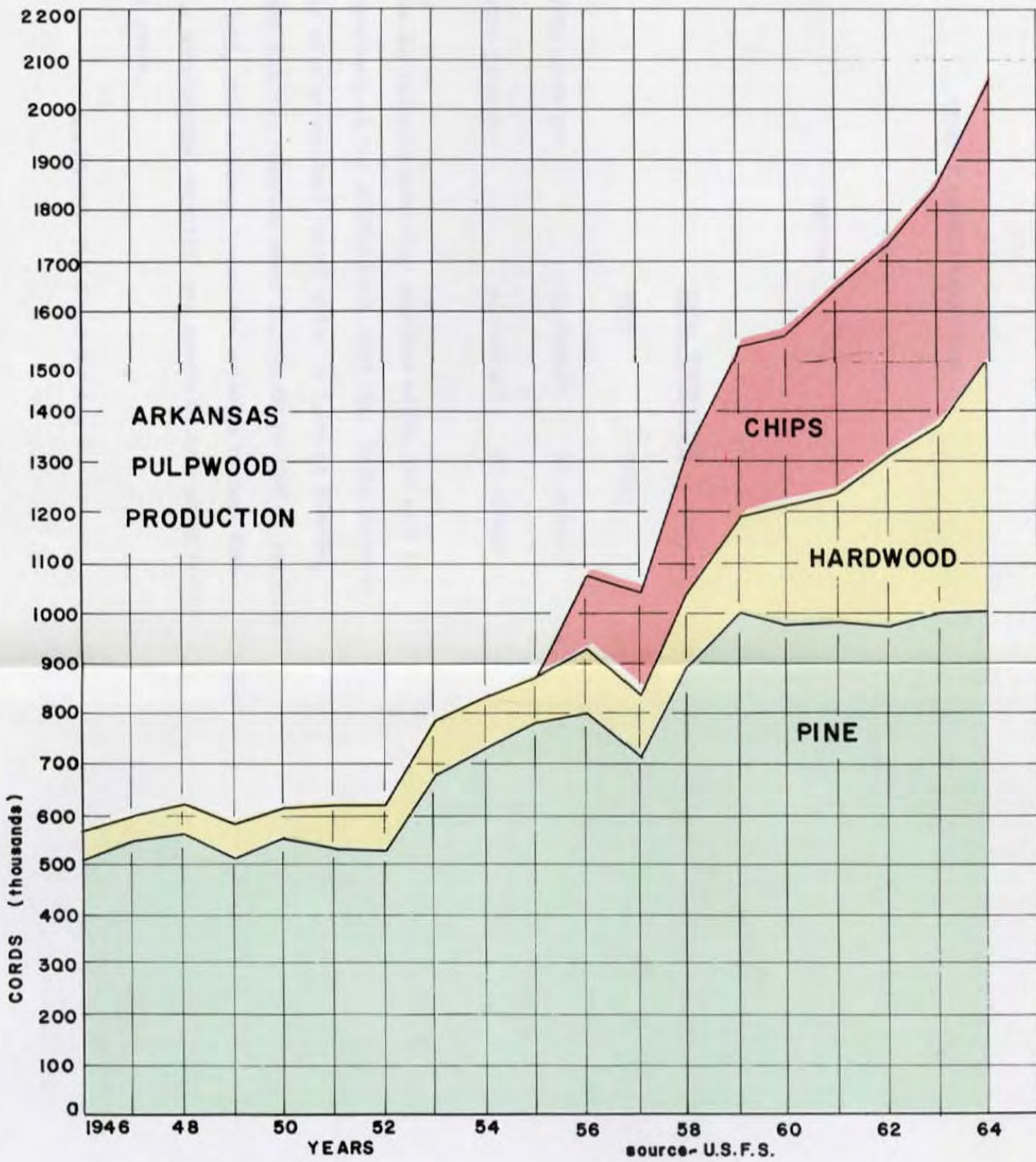
Texas has always been an exporter of pulpwood to neighboring states. The increase in their use of available residues, the swing to the use of hardwoods, and the generally improved condition of their forest lands have reduced the needs of these states for Texas wood. Pulpwood procurement territories are continuing to contract.

Texas requirements for pulpwood differ somewhat from those of neighboring states in that it has a much lower percentage of its pulping capacity in the sulfate process. The sulfate process accounts for 59% of Texas' pulping capacity while accounting for 81% of Louisiana's and 86% of Arkansas'. The higher wood requirement per ton of pulp produced (1.76 cords for sulfate against 1.0 cords for the other processes in use) tends to keep Texas' market for pulpwood low in relation to its pulping capacity.

See GRAPHS 5 and 6





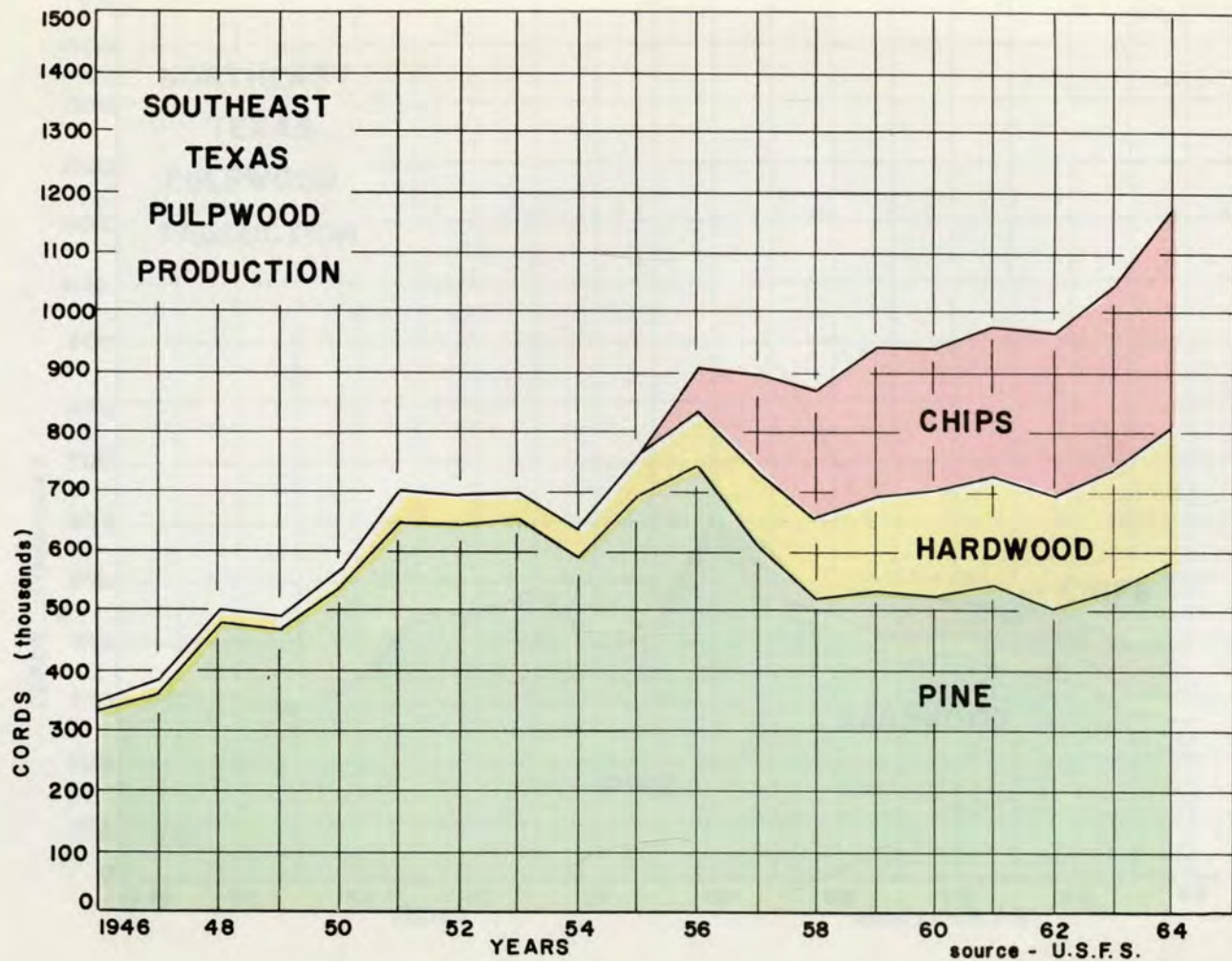


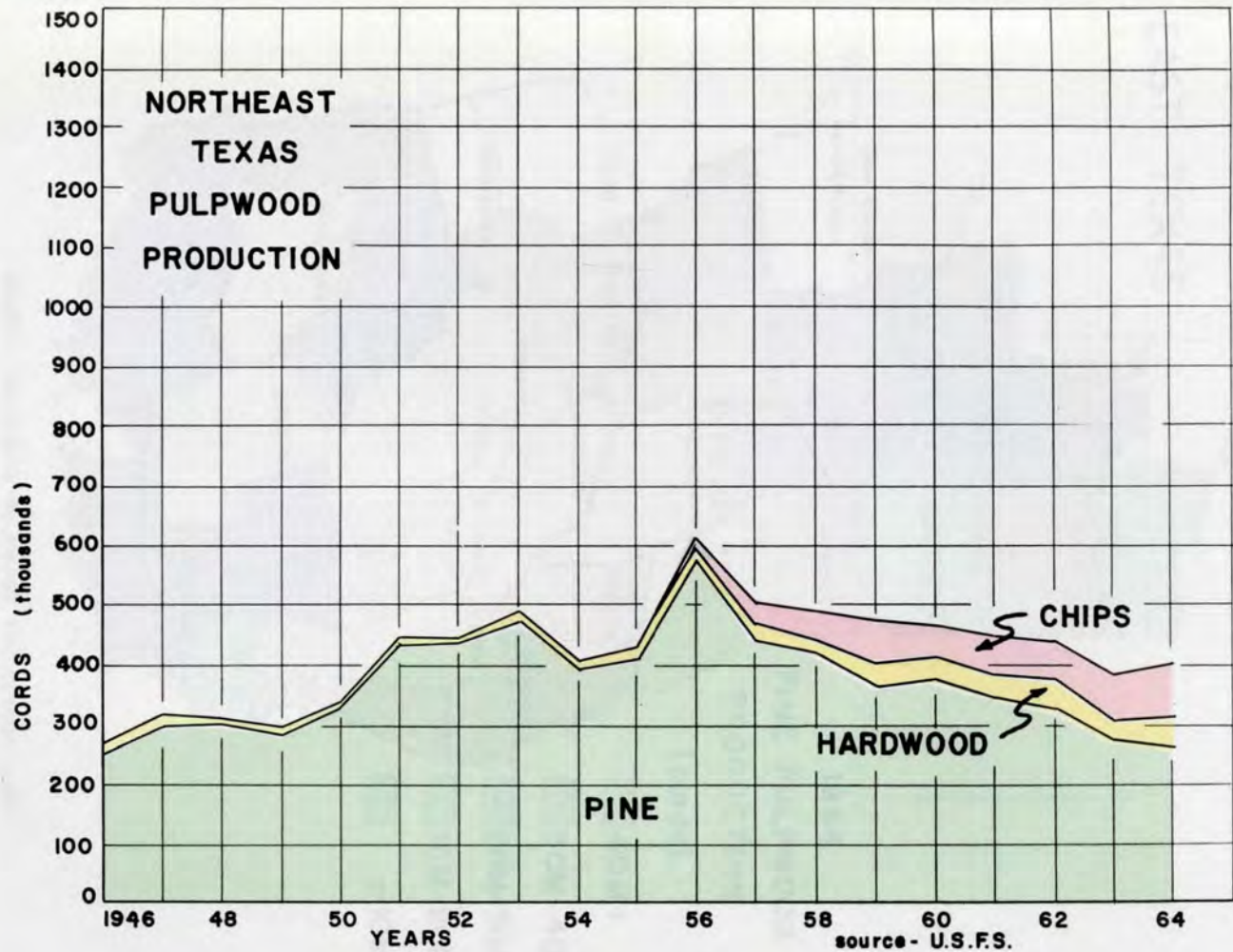
THE DISTRIBUTION
of
TEXAS PULPWOOD PRODUCTION
is
UNEVEN

	<u>TOTAL PRODUCTION</u>	
	1957	1964
NORTHEASTERN COUNTIES	44 PERCENT	20 PERCENT
SOUTHEASTERN COUNTIES	56 PERCENT	80 PERCENT

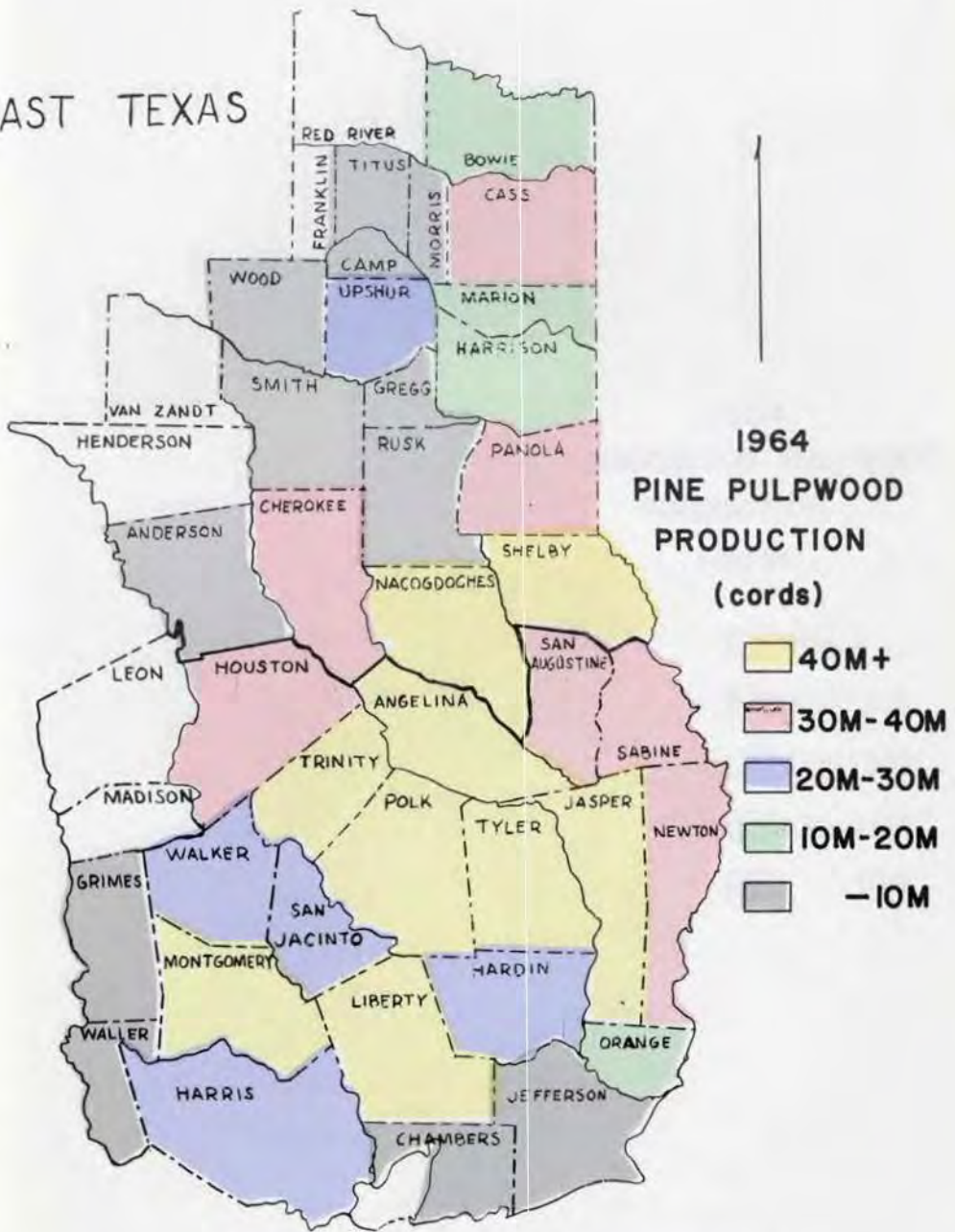
Stumpage prices for pulpwood have also declined during the past ten years to the detriment of the NORTHEASTERN COUNTIES. Using pulpwood stumpage prices paid on National Forest sales in Texas as a basis, the NORTHEASTERN COUNTIES received about \$2,750,000 in 1956 as stumpage payments. In 1964, this stumpage income had dwindled to less than \$ 700,000. The NORTHEASTERN COUNTIES are sorely in need of an outlet for their wood fiber.

See GRAPHS 7 & 8 and MAP 1 & 2



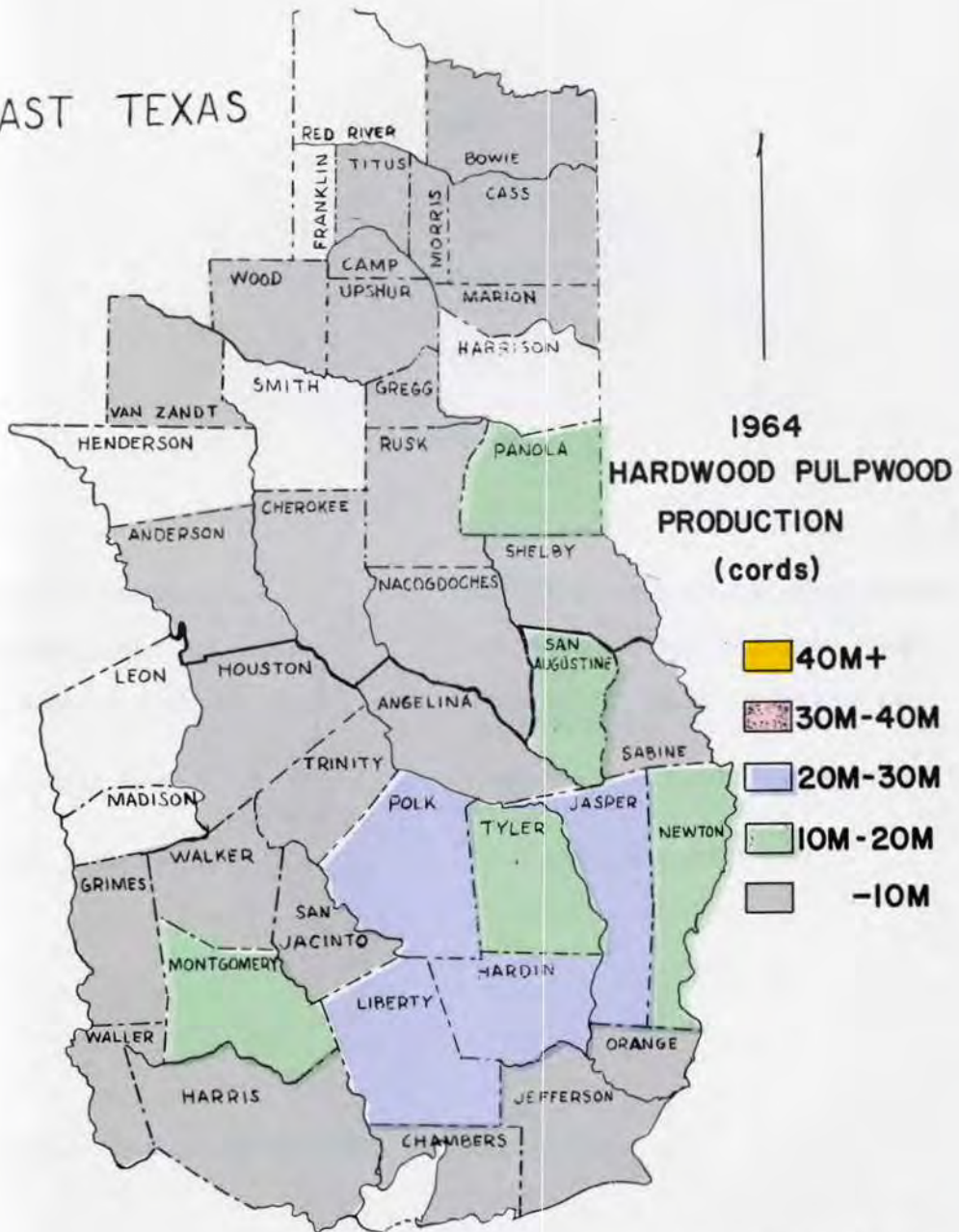


EAST TEXAS



SOURCE - SOUTHERN PULPWOOD PRODUCTION - USFS

EAST TEXAS



SOURCE - SOUTHERN PULPWOOD PRODUCTION - U.S.F.S.

TEXAS

FUTURE

EXPANSION

PLANS

(Announced)

CHAMPION PAPERS INC. *	Add 275 tpd Fourdrinier paper machine
OWENS-ILLINOIS MILL DIV. -	Build 900 tpd Containerboard plant
SOUTHERN PINE LUMBER CO. -	Increase fiberboard production to 180,000,000 sq. ft. per year
SOUTHLAND PAPER MILLS, INC. -	Constructing 150,000 tons per year Newsprint mill
TEXAS NEWSPRINT CO., INC. -	Considering Newsprint mill

Source: PULP & PAPER MAGAZINE, December 6, 1965

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TEXAS PULPWOOD PRODUCTION

		Pine - Roundwood									
		Total Pine Roundwood		Northern		Southern		Fringe		Others	
Year	Total Pulpwood	Cords	% Total Pulpwood	Cords	% Total Pulpwood	Cords	% Total Pulpwood	Cords	% Total Pulpwood	Cords	% Total Pulpwood
1946	615,986	594,321	96.5	252,337	41.0	329,627	53.5	10,787	1.8	1,570	0.2
1947	711,059	667,201	93.8	300,489	42.3	356,978	50.2	9,701	1.4	33	—
1948	823,623	784,715	95.3	300,951	36.5	474,208	57.6	9,517	1.2	39	—
1949	790,893	749,715	94.8	278,829	35.3	462,497	58.5	8,379	1.1	10	—
1950	922,304	876,415	95.0	327,571	35.5	534,386	57.9	14,458	1.6	—	—
1951	1,158,371	1,097,806	94.8	429,312	37.1	647,467	55.9	18,020	1.6	3,007	0.3
1952	1,159,918	1,092,817	94.2	427,628	36.9	641,090	55.3	19,809	1.7	4,290	0.4
1953	1,210,704	1,159,261	95.8	480,747	39.7	654,680	54.1	23,605	1.9	229	—
1954	1,054,333	1,003,561	95.2	398,072	37.8	587,155	55.77	17,520	1.7	814	0.1
1955	1,203,775	1,119,486	93.0	412,779	34.3	690,815	57.4	14,234	1.2	1,658	0.1
1956	1,552,015	1,339,239	86.3	577,520	37.2	739,145	47.6	21,559	1.4	1,015	0.1
1957	1,421,818	1,065,690	75.0	443,077	31.2	605,625	42.6	15,663	1.1	1,325	0.1
1958	1,385,986	954,014	68.8	418,063	30.2	518,120	37.4	14,833	1.1	2,998	0.2
1959	1,415,648	906,329	64.0	361,326	25.5	530,399	37.5	13,787	1.0	817	0.1
1960	1,426,417	916,547	64.3	37,819	26.1	528,353	37.0	16,333	1.1	42	—
1961	1,441,494	906,932	62.9	343,815	23.9	547,307	38.0	15,810	1.1	—	—
1962	1,429,614	838,192	58.6	324,953	22.7	504,317	35.3	8,788	0.6	124	—
1963	1,443,574	820,319	56.8	278,045	19.3	533,848	37.0	8,426	0.6	—	—
1964	1,590,476	857,376	53.9	265,944	16.7	582,651	36.6	8,781	0.6	—	—

Source: U.S.F.S. Southern Pulpwood Production

TEXAS PULPWOOD PRODUCTION

Year	Hardwood - Roundwood										Residues Mainly Pine	
	Total		Northern				Fringe		Others		Cords	Pulpwood
	Hardwood	Total %	Cords	Total %	Cords	Total %	Cords	Total %	Cords	Total %		
	Roundwood	Pulpwood		Pulpwood		Pulpwood		Pulpwood		Pulpwood	Pulpwood	
1946	21,665	3.5	7,193	1.2	13,887	2.3	585	0.1	—	—	—	—
1947	43,858	6.2	13,712	1.9	27,991	3.9	117	—	2,038	0.3	—	—
1948	38,908	4.7	11,754	1.4	25,259	3.1	163	—	1,732	0.2	—	—
1949	41,178	5.2	12,601	1.6	26,292	3.3	125	—	2,160	0.3	—	—
1950	45,889	5.0	9,092	1.0	36,494	4.0	303	—	—	—	—	—
1951	60,565	5.2	12,678	1.1	47,502	4.1	385	—	—	—	—	—
1952	67,101	5.8	13,680	1.2	53,018	4.6	403	—	—	—	—	—
1953	51,443	4.2	9,245	0.8	41,667	3.4	531	—	—	—	—	—
1954	50,772	4.8	8,819	0.8	39,716	3.8	2,106	0.2	131	—	—	—
1955	84,209	7.0	11,090	1.0	69,323	5.8	2,969	0.2	307	—	—	—
1956	119,776	7.7	16,788	1.1	94,312	6.1	5,117	0.3	3,559	0.2	23,000	3.0
1957	160,528	11.3	23,720	1.7	127,573	9.0	5,307	0.4	3,528	0.3	195,600	13.8
1958	172,872	12.5	21,169	1.5	138,856	10.0	6,129	0.4	6,718	0.5	259,100	18.7
1959	213,719	15.1	40,834	2.9	167,717	11.8	929	0.1	4,209	0.3	295,600	20.9
1960	217,970	15.3	39,556	2.8	173,222	12.1	2,171	0.2	3,021	0.2	291,900	20.5
1961	223,562	15.5	40,375	2.8	176,496	12.2	4,437	0.3	2,254	0.2	311,000	21.6
1962	253,222	17.7	51,070	3.6	191,338	13.4	5,975	0.4	4,839	0.3	338,200	23.7
1963	242,655	16.8	30,216	2.1	202,773	14.0	4,578	0.3	5,088	0.4	380,600	26.4
1964	287,000	18.0	51,649	3.2	230,236	14.5	3,013	0.2	2,102	0.1	446,100	28.0

Source: U.S.F.S. Southern Pulpwood Production

TEXAS PINE PRODUCTION - PULPWOOD (Roundwood)

County	Angelina	Chambers	Hardin	Harris	Houston	Jasper	Jefferson	Liberty	Montgomery	Newton	Orange	Polk	Sabine	San Augustine	San Jacinto	Trinity	Tyler	Walker	Totals
- Standard Cords -																			
Southern																			
1946	29,066		11,550	8,789	19,307	33,757	1,725	16,018	58,132	17,359	11,910	26,585	4,922	16,508	9,448	24,823	11,675	28,053	329,627
1947	21,671		14,219	7,409	28,568	32,565	1,786	19,803	60,146	23,101	17,100	27,327	7,800	16,133	14,941	25,700	16,342	22,367	356,078
1948	36,093		17,792	9,949	51,839	32,782	4,264	33,780	71,132	22,338	16,492	27,142	18,472	28,466	21,660	37,201	15,001	28,005	474,208
1949	35,078		15,659	9,179	45,745	33,480	3,769	26,288	63,259	24,695	10,657	30,882	20,771	36,169	21,556	41,158	18,304	25,848	462,407
1950	40,820		16,672	30,674	73,864	37,900	2,290	27,421	60,030	21,392	12,997	31,006	25,569	53,299	16,020	39,864	17,006	27,562	534,386
1951	41,713		28,486	53,034	65,549	45,390	1,861	76,300	77,062	24,784	16,373	42,006	11,528	45,340	13,486	39,318	24,098	40,239	617,467
1952	35,160		28,835	52,870	62,693	49,603	1,822	74,307	87,085	28,932	16,496	41,735	8,774	43,954	13,518	29,710	24,530	41,027	641,090
1953	52,812		27,804	43,025	63,437	51,339	2,033	55,723	94,926	19,226	19,641	40,456	11,837	39,720	16,122	37,245	27,787	41,547	654,680
1954	55,201		30,997	12,649	46,269	56,949	553	48,362	60,168	29,173	16,821	44,361	23,508	34,505	10,647	31,710	33,883	51,399	587,155
1955	53,453		37,139	23,586	52,233	70,341	2,217	44,263	71,522	48,251	16,451	47,244	24,085	44,405	11,322	42,298	56,355	45,650	690,815
1956	47,167		52,176	36,353	55,682	67,177	1,194	52,269	71,743	50,238	17,042	42,933	35,668	59,770	11,027	44,397	47,846	46,463	739,145
1957	44,019		31,885	27,847	49,452	55,629	2,243	47,114	60,944	36,021	9,510	39,909	33,499	42,008	11,076	39,974	38,411	36,084	605,625
1958	42,708		26,621	25,784	42,276	43,140	1,346	31,552	54,753	38,304	5,685	42,632	25,732	31,001	10,525	27,375	37,028	31,658	518,120
1959	50,499		31,802	20,968	35,327	52,953	513	36,677	38,145	31,733	2,368	49,009	35,956	36,825	10,220	33,476	28,576	34,353	530,399
1960	44,715		27,383	16,987	32,626	59,509	27	32,654	42,989	31,766	5,886	57,595	27,387	34,344	12,200	36,053	30,924	33,615	528,353
1961	47,072		29,140	22,141	36,352	54,828	95	28,677	44,821	36,873	5,076	57,012	33,226	38,819	12,071	38,195	34,546	25,957	547,307
1962	47,162		36,210	16,152	30,757	46,263	516	42,179	36,609	18,330	2,656	53,028	27,755	41,269	10,763	39,961	31,921	21,805	504,317
1963	50,015		23,655	18,876	25,785	54,973	323	34,265	40,099	27,764	8,102	55,635	41,006	27,982	12,330	52,105	35,156	24,412	533,848
1964	51,609	963	20,190	21,287	30,515	44,830	456	44,212	45,826	30,083	11,277	75,091	32,467	32,573	14,248	57,072	43,711	26,241	582,651

Source: PULPWOOD PRODUCTION IN THE SOUTH, U.S.F.S.

TEXAS PINE PRODUCTION - PULPMOOD (Roundwood)

County	Anderson	Bowie	Camp	Cass	Cherokee	Franklin	Gregg	Harrison	Marion	Morris	Nacogdoches	Panola	Red River	Rusk	Shelby	Smith	Titus	Upshur	Wood	Totals
- Standard Cords -																				
Northern																				
1946	10,761	4,259	2,602	26,228	71,574	234	7,012	1,520	9,978	3,625	36,502	4,192	2,750	29,227	23,678	2,754	141	13,649	1,351	252,337
1947	27,536	10,966	4,816	37,411	71,574	1,922	6,345	4,595	13,723	9,338	34,432	6,033	1,748	24,185	21,200	7,797	5,773	13,152	7,573	300,489
1948	28,042	12,991	5,040	25,862	61,444	696	10,808	4,157	19,870	6,734	44,179	9,805	568	17,221	23,715	7,027	306	11,268	14,658	300,951
1949	21,922	12,649	4,200	26,065	58,004	841	11,337	9,007	16,849	4,600	40,307	9,703		14,851	22,291	6,896	2,560	11,535	11,989	278,829
1950	13,470	14,794	5,691	24,037	36,931	100	9,360	27,120	21,322	10,834	36,284	25,717	7,000	14,147	37,716	6,628	3,351	21,689	11,380	327,571
1951	20,392	23,245	6,424	23,833	39,573	1,776	18,036	46,619	16,796	12,151	44,071	56,920	8,368	21,087	45,793	7,990	3,985	20,072	12,181	429,312
1952	19,292	13,983	5,661	26,000	41,570	3,203	15,386	50,817	19,426	8,983	51,524	50,927	8,540	20,519	40,462	9,589	1,752	34,139	5,825	427,628
1953	15,652	14,994	8,910	30,576	41,885	4,300	34,923	45,912	22,706	6,315	62,337	49,283	12,276	20,810	52,395	8,727	3,043	41,551	4,152	480,747
1954	14,898	17,687	4,156	26,076	44,313	4,424	14,899	40,143	25,002	8,729	51,586	32,146	6,749	17,957	48,343	9,831	1,678	23,007	6,448	398,072
1955	11,757	10,671	3,344	34,508	43,680	5,536	21,520	42,245	24,040	8,091	54,897	42,010	1,693	15,631	49,004	7,953	1,331	27,006	6,872	412,779
1956	18,036	14,824	6,674	44,119	54,830	6,099	22,647	65,791	26,969	17,653	63,749	54,531	4,448	38,738	65,120	24,109	2,222	31,366	15,565	577,520
1957	12,523	15,561	4,668	33,383	42,577	1,583	12,011	40,036	22,390	6,857	72,509	33,536	2,525	39,002	52,167	16,873	1,109	26,690	6,777	443,077
1958	16,622	10,373	3,243	31,490	38,692	960	9,669	41,757	18,607	5,947	64,747	27,157	6,944	31,756	61,135	18,721	1,871	21,870	6,502	418,063
1959	10,342	12,549	3,221	28,376	34,209	833	7,769	27,632	17,406	7,426	54,315	23,974	8,289	26,307	55,475	12,335	821	26,553	3,624	361,326
1960	12,920	11,345	1,343	34,508	39,405	583	7,536	27,637	14,840	6,768	53,102	26,282	6,836	32,707	57,223	6,850	1,64	33,602		371,819
1961	12,085	11,112	2,322	32,330	41,565	286	7,399	30,437	17,458	4,225	49,793	41,440	896	17,200	44,315	5,330	114	25,401	107	343,815
1962	7,872	11,946	2,508	36,710	37,489	228	4,363	28,948	13,589	7,299	45,046	43,712	19	11,980	44,397	2,950		21,907	900	324,953
1963	4,138	13,713	2,516	28,028	29,867		1,544	24,421	14,890	7,092	40,782	37,445		11,319	42,090	1,832		17,785	583	278,045
1964	1,152	15,577	934	36,127	32,675		9	12,491	12,134	2,196	42,653	34,622		8,894	42,572	307	3	20,941	2,357	265,944

Source: PULPMOOD PRODUCTION IN THE SOUTH, U.S.F.S.

TEXAS PINE PRODUCTION - PULPWOOD (ROUNDWOOD)

County	Bestrop	Burleson	Caldwell	Childress	Colorado	Rains	Hall	Hopkins	Johnson	Lamar	Lee	Terry	Austin	Galveston	Totals
- Standard Cords -															
Others															
1946		13	149								1,408				1,570
1947	33														33
1948	39														39
1949															
1950															
1951															
1952															
1953										77					77
1954	914														814
1955	1,564									94					1,658
1956	588				422	3									1,015
1957	546			314	391		20	3	12	39					1,325
1958	1,245				365										1,919
1959	450				226										817
1960	22	27			20								114		42
1961															
1962														124	124
1963															
1964															

Source: PULPWOOD PRODUCTION IN THE SOUTH, U.S.F.S.

TEXAS HARDWOOD PRODUCTION - PULPWOOD (Roundwood)

County	Angeline	Hardin	Chambers	Harris	Houston	Jasper	Jefferson	Liberty	Montgomery	Newton	Orange	Polk	Sabine	San Augustine	San Jacinto	Trinity	Tyler	Walker	Totals	
Southern																				
- Standard Cords -																				
1946		130		910		2,210	173	1,647	3,769	628	325	1,733			997	1,192	173		13,887	
1947	631	323		444	2,561	5,188		2,033	1,608	1,664	156	5,835	442	45	672	1,740	753	3,896	27,001	
1948	981	179		417	2,698	4,571		1,728	1,383	1,445	122	4,892	376	76	608	1,806	666	3,311	25,200	
1949		83		457	2,160	5,400		2,160	1,329	1,703		5,856	457	42	706	1,495	332	4,112	26,202	
1950		1,863		452	1,262	5,707	280	928	6,047	3,904	149	4,645			998			10,259	36,404	
1951		2,361		573	1,768	7,344	355	1,177	7,664	5,081	190	5,888	170	581	1,265			13,085	47,502	
1952		2,486		600	1,866	9,348	372	1,231	8,020	6,249	222	6,161	159	1,231	1,324			13,749	53,018	
1953		1,936		470	1,311	8,723	291	1,132	6,283	5,056	156	4,827			1,037	622		9,823	41,667	
1954	768	1,732		1,072	2,398	6,124	29	3,765	5,482	2,852		2,913	1,411	710	1,561	2,014	584	6,201	39,716	
1955	841	4,498		3,486	2,842	12,006	52	6,232	9,014	5,650	140	3,621	1,421	2,096	2,053	2,674	4,904	7,793	69,323	
1956	197	5,500		15,147	2,654	10,435	44	9,144	12,522	6,022	732	9,891	3,098	3,002	2,938	2,335	3,974	6,677	94,312	
1957	217	10,417		16,709	2,928	13,520	771	10,573	14,883	10,220	408	12,161	4,163	8,406	3,258	2,576	8,997	7,366	27,573	
1958	551	11,042		676	16,777	3,443	13,308	1049	15,149	15,057	1,153	12,805	3,007	9,383	1,457	2,199	12,870	6,200	138,856	
1959	986	15,075		829	16,633	4,570	18,541	1067	19,787	15,700	19,241	2,333	14,323	5,828	9,204	3,185	1,981	12,807	5,657	167,747
1960	2,292	15,364		790	8,606	4,821	16,467	4138	17,183	17,938	20,829	3,240	16,621	7,766	12,167	5,570	2,969	12,978	6,503	173,222
1961	1,992	8,682		410	7,010	6,696	19,354	435	15,752	19,571	21,187	3,504	16,469	6,681	10,988	6,080	4,106	19,938	7,641	176,496
1962	1,767	9,522		944	8,862	6,340	24,135	517	20,600	21,744	20,748	2,435	16,413	8,658	11,747	6,515	4,791	13,912	11,688	101,338
1963	7,400	23,480		2,444	7,403	5,914	15,751	333	23,082	16,387	19,367	4,840	20,084	5,717	11,395	6,906	6,163	14,727	11,380	202,773
1964	9,859	24,288		806	9,504	6,255	23,408	821	25,843	18,893	19,841	8,585	23,884	3,926	17,276	6,200	6,190	14,967	9,690	230,236

Source: PULPWOOD PRODUCTION IN THE SOUTH, U.S.F.S.

TEXAS HARDWOOD PRODUCTION - PULPWOOD (Roundwood)

County	Anderson	Bowie	Camp	Cass	Cherokee	Freestone	Gregg	Harrison	Marion	Morris	Nacogdoches	Panola	Red River	Rusk	Shelby	Smith	Titus	Upshur	Wood	Totals
- Standard Cords -																				
Northern																				
1946	888				802		325				1,040			1,387	347			2,104		7,103
1947	2,701			38	3,376		361		38		3,731	226	53	1,853	933	402				13,712
1948	2,357	171			2,881		307				3,219	200		1,438	830	342				11,754
1949	2,617	100			2,949		374				3,281	166		1,744	955	415				12,601
1950	1,699			100	3,265				100		1,644	468		345	352	575		544		9,092
1951	2,154	152		280	4,214				446	83	2,187	593		542	447	730		850		12,678
1952	2,309	197		74	4,835		22		67	125	2,314	621		753	566	764		1,033		13,690
1953	1,766				3,393						1,709	487		359	367	598		566		9,215
1954	1,736				1,513		589	54			817	331		924	2,271	584				8,819
1955	1,694				1,757		1,436				1,137	838		1,044	2,703	847			234	11,600
1956	2,810				2,495		675				969	1,263		1,597	3,596	1,799		1,584		16,788
1957	3,100		53	644	2,752		744	1,842	2,513		1,069	1,201		1,762	4,635	1,984		1,421		23,720
1958	2,462		128	806	1,970		868	3,280	2,658		966	1,728		973	3,921	1,409				21,169
1959	2,725		1,126	3,035	2,370		896	5,918	5,216		1,335	1,907		1,560	9,361	1,739		2,106		40,834
1960	1,578		740	3,446	1,845		1,281	5,164	4,680		1,497	3,248		1,766	9,597	1,844		1,462		39,556
1961	2,452	1,943	66	713	2,905		1,723	4,162	4,114	40	1,966	5,522		2,580	9,641	2,455		93		40,375
1962	2,782	1,427	363	2,810	3,670		1,211	3,342	4,399	481	3,029	4,586		4,344	11,440	2,773		4,359	53	51,070
1963	1,465	1,426		2,210	1,869		75	2,752	2,739	79	2,191	4,016		1,520	8,447	927		500		30,216
1964	77	2,078	212	5,574	23	540		7,644	7,311	576	3,182	11,997		44	7,074		32	1,155	4,130	51,649

103613

Source: PULPWOOD PRODUCTION IN THE SOUTH, U.S.F.S.

TEXAS HARDWOOD PRODUCTION - PULPWOOD (Roundwood)

County	Austin	Bastrop	Brazoria	Brazos	Burleson	Washington	Calwell	Childress	Lamar	Colorado	Falls	Robertson	Fayette	Fort Bend	Lee	McLennan	Wharton	Totals	Cumulative Totals	
<u>Others</u>																				
1946		224			16		69						118		1,611			2,038	21,665	
1947		190			14		59						100		1,369			1,732	38,908	
1948		249					83						125		1,703			2,160	41,178	
1950																			45,889	
1951																		131	60,565	
1952																		307	67,101	
1953																			51,443	
1954		131																	50,772	
1955		307																	84,289	
1956	973			683	683					212					124		884	3,559	119,776	
1957	1,073			753	753			3		234					137		975	3,928	160,528	
1958	443		303	315						627	1,885	41	105		360		1,571	392	6,718	172,872
1959	46			38	464		656			361	1,305	65			591		683		4,209	213,719
1960	26			56						22	487	273	867				1,189		3,021	217,970
1961	137			1,008							157				584				2,254	223,562
1962			255	435						2,526	366	575			423				4,839	253,222
1963					264					4,102		212							4,578	242,655
1964	208			268	85				885	199	156	107			194				3,013	287,000

Source: PULPWOOD PRODUCTION IN THE SOUTH, U.S.F.S.

TEXAS HARDWOOD PRODUCTION - PULPWOOD (Roundwood)

TEXAS PINE PRODUCTION - PULPWOOD (Roundwood)

County	Grimes	Henderson	Leon	Madison	Van Zandt	Waller	Totals
- Standard Cords -							
<u>Fringe</u>							
1946	585						585
1947	72	25	20				117
1948	146		17				163
1949	83		42				125
1950	303						303
1951	385						385
1952	403						403
1953	316					215	531
1954	2,096	10					2,106
1955	2,169	174	604			22	2,969
1956	3,158				1,800	159	5,117
1957	3,484				1,648	175	5,307
1958	652		286	43	4,025	1,123	6,129
1959	412			139		378	929
1960	451		149	22		1,549	2,171
1961	2,025	21	1,384			1,007	4,437
1962	2,810		2,428			737	5,975
1963	2,566		2,495			27	5,088
1964	468		1,762		425	358	3,013

County	Grimes	Henderson	Leon	Madison	Van Zandt	Waller	Totals
-Standard Cords -							
<u>Fringe</u>							
1946	5,892	3,693	15	941		246	10,787
1947	4,609	4,955		137			9,701
1948	8,485	835	13			184	9,517
1949	7,215	700				464	8,379
1950	11,350	1,574				1,534	14,458
1951	14,413	1,932				1,675	18,020
1952	16,393	1,695				1,721	19,809
1953	18,117	2,081	1,573			1,834	23,605
1954	15,964	1,171	385				17,520
1955	11,842	1,237	1,066			89	14,234
1956	16,444	3,123	1,905	22	21	44	21,559
1957	12,360	2,321	868	74		40	15,663
1958	11,739	1,790				1,304	14,833
1959	13,115	629				43	13,787
1960	15,302		108			923	16,333
1961	13,413		2,155			242	15,810
1962	7,262		1,277			259	8,798
1963	7,919		109			398	8,426
1964	8,383					398	8,781

Source: PULPWOOD PRODUCTION IN THE SOUTH, U.S.F.S.

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