

Forest Resources

Market Notes • Technical Notes • Research Notes • Newsletters

October 1998

1997 Harvest of Forest Products

Mississippi's forest industry (including private landowners, independent harvesters, and company harvesting crews) harvested and delivered over \$1.3 billion worth of forest products to mills and other processors in 1997. The total value of Mississippi 1997 timber harvest delivered to the first point of processing (such as a pulpwood yard or sawmill) was \$1,313,317,862. This harvest value is 10.5 percent higher than 1996 and is an all-time record high harvest value for Mississippi forestry. This continues Mississippi forestry's strong value increase in recent years. In 1997 Mississippi's timber harvest value was over \$1 billion for the fifth straight year. Timber was the second most valuable agricultural commodity in 1997. Poultry and eggs was the most valuable with a \$1.43 billion value, timber was second at \$1.31 billion and cotton was third at \$650 million. Mississippi's forest landowners collected a record \$1.02 billion for their standing timber in 1997. This is the first time that the standing value of Mississippi's timber harvest was over a billion dollars. The value of the logging and transportation segment of the industry was valued at \$284,189,306.

Severance tax collections on timber were \$4,319,003 in 1997. This total was 6.8% lower than 1996. Twenty percent of the severance tax collections, or about \$863,801 was returned to the counties where the timber was harvested. Eighty percent or about \$3,455,202 went to the Forest Resource Development Program (FRDP) to provide cost share funds to private, non-industrial forest landowners for reforestation and other forest management practices.

The value of Mississippi's timber harvest increased 10.5 percent in 1997. This is the largest increase since 1993. The increased harvest value was the result of increased harvest volumes and prices in many categories. However, both pine and hardwood pulpwood saw declines in volume and value.

Pine products lead the way to the increase. The pine sawlog harvest value increased 8% while value increased nearly 21%. The pine plywood logs harvested volume increased 4.4% while plywood log value increased 23%. Pine pole volume increased nearly 46% while value increased nearly 48 percent.

Hardwood sawlogs also saw increases in volume and value. The harvest volume of hardwood sawlogs increased 11.5 percent and their value increased 14.4 percent. The hardwood veneer logs volume also increased 13.5 percent and their value moved up 14.2 percent. The crosstie volume was 1.2% lower but crosstie value was 8.2% higher on the strength of increased prices for crossties. (Most crossties, used for railroad beds, are made from oak, hickory and other hardwoods.) By contrast, the pine pulpwood harvest

volume declined nearly 14% as did pine pulpwood value. The harvest volume of hardwood pulpwood also declined nearly 6 percent and value was off over 10%, compared with 1996. The estimated value of the 1997 timber harvest is shown in Table 1. A comparison of timber harvest volume and value for 1996 and 1997 by product categories is given in Table 2. Table 3 compares major product prices by region for 1996 and 1997.

Again in 1997, Mississippi's timber harvest posted strong increases. After moving 8% higher in 1996, the state's timber harvest values moved up 10.5 percent in 1997. The timber harvested for the state's solid wood products manufacturing sector (such as lumber, plywood and structural panels) was the key to increased harvest value in 1997.

In 1997, regional southern pine lumber production surged 15% in the second and third quarters of the year to finish up nearly 4% at year's end, compared to 1996. As harvesting increased through the year and lumber became more available, lumber prices began trending downward, but mills continued purchasing standing timber. US housing starts began 1998 10% higher than they began 1997. This upsurge of housing construction fueled the solid wood products manufacturing activities in Mississippi in 1997. The harvest of pine and hardwood logs in Mississippi during 1997 reflects that trend.

Mississippi's total pulpwood harvest declined slightly in 1996, but by 1997 dropped over 10%. This decrease reflected a continued decline of hardwood pulpwood production since 1995 from a peak production of 3.9 million cords to 1997's 3.5 million cords. Hardwood pulpwood production in 1997 was about the same as 1993. Pine pulpwood production in 1997 fell to about 1994 levels with a total of 4.3 million cords.

The pine pole market in 1997 remained competitive. Average pole prices moved higher and volume harvested also increased significantly. Pole production in 1997 was the highest it has been in the last 15 years.

The market for Mississippi Christmas trees improved in 1997 with production of trees 6.5 percent higher and production value up 10%. This was the third straight year of increased Christmas tree harvest in Mississippi.

Average standing prices for Mississippi's major forest products moved higher in 1997, continuing a decade-long trend. Pine sawtimber remained the highest-valued product in Mississippi's forests with standing prices averaging between \$396.50 to 447./MBF, Doyle, depending on region of the state. Prices increased between 9 and 19 percent for pine sawtimber during 1997. Standing prices also increased significantly for hardwood sawtimber, pine pulpwood and hardwood pulpwood with a few exceptions. Delivered prices were another story. Average pine sawtimber delivered prices moved higher as did hardwood sawtimber delivered prices in almost all regions. Pulpwood delivered prices, however, showed general decreases, in both pine and hardwood, in most regions of the state. This situation may reflect increasing productivity in harvesting and a signal that the rise in standing prices may not continue. Mississippi pulpwood prices have been rising since about 1990 and it may be that this trend will begin to reach equilibrium. Table 3 gives average prices for 1997 by product and region of the state.

Generally, 1997 was another good year for Mississippi forest landowners. Timber markets were good and prices for standing timber increased. Sawtimber products performed better than pulpwood. The production value of Mississippi's timber harvest reached another all-time record high and the standing value of the harvest topped \$1 billion for the first time in history. Forest landowners are encouraged to plant idle acres, manage their forest property for increased production and use professional assistance when selling timber.

Table 4 shows harvested volumes of forest products for Mississippi counties within the Mississippi Timber Price Report regions.

For more information on timber marketing procedures and timber prices, contact your County Extension Service or Mississippi State University, Department of Forestry, Box 9681, Mississippi State, MS 39762.

Sincerely,

Dr. Bob Daniels
Extension Forester

Table 1. Estimated Value of the 1997 Timber Harvest

		Price/	Unit ¹		Val	UE:
		STANDING	DELIVERED		STANDING	DELIVERED
PRODUCT	Unit	—Doli	ARS	Volume	—Doli	ARS
Sawlogs - Pine - Hardwood	MBF,D MBF,D	2) 2)		1,183,673 501,432	512,438,665 113,693,526	595,818,653 149,024,466
Pulpwood - Pine - Hardwood	Cords Cords	3/ 3/		4,315,689 3,550,640	126,151,429 70,082,338	194,197,189 124,441,410
POLES - PINE	MBF,D	550 ⁵	6485/	60,556	33,305,800	39,240,288
PLYWOOD LOGS - PINE 11	MBF,D	4044/	475 ⁴	369,427	149,248,508	175,477,825
HARDWOOD VENEER LOGS 11	MBF,D	625	755	26,634	16,646,250	20,108,670
Crossties - Hardwood	MBF,D Tie ⁶	161.75 	17.25 ^{5/}	15,820 354,470	2,558,885	6,114,608
STUMPWOOD	Tons	5 ^{5/}	635/	20,631	103,155	1,299,753
TURPENTINE GUM	Barrel		1005/	0	0	0
CHRISTMAS TREES ⁷	Tree 8	20 ⁹	31 ¹⁰	245,000	4,900,000	7,595,000
TOTAL VALUE					\$1,029,128,556	\$1,313,317,862

¹Regional product prices taken from the Mississippi Timber Price Report, except where otherwise noted.

³Pulpwood Prices by Region, \$/Cord

	Sta	ınding	Del	livered		Stan	ding	Del	livered
Region *	<u>Pine</u>	<u>Hardwood^b</u>	<u>Pine</u>	<u>Hardwood^b</u>	Region*	<u>Pine</u>	<u>Hardwood</u>	<u>Pine</u>	<u>Hardwood</u>
North	396.50	225.50	454	298.25	North	32.50	23	47.75	33.50
Central	420	246.25	496.25	312	Central	29	20	46.75	35
South	447	191.50	515	302.50	South	28.50	17.75	42	35.50
Delta/River	398.50	265.75	480	350	Delta/River	21.50	15	46.50	36.75

^aRegions are those defined in the Mississippi Timber Price Report

²Sawlog Prices by Region, \$/MBF, Doyle

bHardwood sawlog average prices were calculated using mixed hardwood and oak sawtimber prices from the Mississippi Timber Price Report. The hardwood sawlog average prices are based on the assumption that Mississippi's hardwood sawmills cut 70% oak and 30% other species primarily yellow poplar, and sweetgum in 1997. Therefore, the hardwood sawlog average price for each region was calculated using the following formula: Regional hardwood sawlog prices = .7 [average regional oak price] + .3 [average regional mixed hardwood price].

⁴Prices from Timber Mart South.

⁵Price estimates by consultation with industry contacts.

⁶Calculated as 44.63 board feet per 7" x 9" x 8.5' tie.
⁷Estimate in cooperation with the LA-MS Christmas Tree Association and individual growers.

⁸The average Christmas tree is assumed to be 6 to 8 feet tall.

⁹Standing price is the estimated average wholesale Christmas tree price to growers.

¹⁰Delivered price is the estimated average price paid for a "choose and cut" Christmas tree.

¹¹Plywood and hardwood veneer log volumes estimated by veneer mill survey and consultation with industry contacts.

Table 2. Comparison of 1996 and 1997 Harvest Volume and Value by Product

		1996			997	
Product/Unit	Volume	VALUE*	VOLUME	%Change	VALUE*	%CHANGE
Pine Sawlogs, MBF,D	1,096,244	492,971,915	1,183,915	8.0	595,818,653	20.9
Hardwood Sawlogs, MBF,D	449,914	130,211,014	501,432	11.5	149,024,466	14.4
Pine Pulpwood, Cords	5,002,620	224,404,778	4,315,689	-13.7	194,197,189	-13.5
Hardwood Pulpwood, Cords	3,760,326	139,248,091	3,550,640	-5.6	124,441,410	-10.6
Plywood Logs, MBF,D	353,907	142,624,521	369,427	4.4	175,477,825	23.0
Poles, MBF,D	41,507	26,522,973	60,556	45.9	39,240,288	47.9
Hardwood Veneer Logs, MBF,D	23,456	17,615,456	26,634	13.5	20,108,670	14.2
Crossties, Delivered, Ties	358,951	5,653,478	354,470	-1.2	6,114,608	8.2
Stumpwood, Tons	42,509	2,678,067	20,631	-51.5	1,299,753	-51.5
Turpentine Gum, Barrels	0	0	0	0.0	0	0.0
Christmas Trees, Tree	230,000	6,900,000	245,000	6.5	7,595,000	10.1
TOTAL		1,188,830,293			1,313,317,862	10.5

^{*}Value delivered to the first point of processing.

Table 3. 1996 Versus 1997 Major Product Price Comparison by Region

PRODUCT/UNIT	REGION	199 STANDING DE	5	STANDING	199 %Change	96- DELIVERED	%Change
Pine Sawtimber, MBF,D	North	331.75	400.50	396.50	19.5	454.00	13.4
	Central	385.25	429.50	420.00	9.0	496.25	15.5
	South	389.00	438.25	447.00	14.9	515.00	17.5
	Delta/River	351.25	418.50	398.50	13.5	480.00	14.7
Hardwood Sawtimber, MBF,D	North	202.00	275.75	225.50	11.6	298.25	8.2
	Central	233.00	306.25	246.25	5.7	312.00	1.9
	South	216.50	311.25	191.50	-11.5	302.50	-2.8
	Delta/River	260.00	351.25	265.75	2.2	350.00	-0.4
Pine Pulpwood, Cords	North	31.00	47.00	32.50	4.8	47.75	1.6
	Central	24.50	45.25	29.00	18.4	46.75	3.3
	South	23.00	43.00	28.50	23.9	42.00	-2.3
	Delta/River	23.00	51.00	21.50	-6.5	46.50	-8.8
Hardwood Pulpwood, Cords	North	17.50	34.00	23.00	31.4	33.50	-1.5
-	Central	17.75	38.00	20.00	12.7	35.00	-7.9
	South	15.00	36.75	17.75	18.3	35.50	-3.4
	Delta/River	12.50	41.75	15.00	20.0	36.75	-12.0

TABLE 4. 1997 HARVESTED VOLUMES BY COUNTY

MBM MBF_D MBF_D CORDS CORDS		PINE	HARDWOOD	PINE	HARDWOOD	PINE	HARDWOOD	PINE		TURPENTINE		-	PINE	HARDWOOD
MBM MBM MBF_D CORDS CORDS COLFT TONS BARRELS MBF_D MBF/CORDS TONS TON		LUMBER	LUMBER	SAWLOGS	SAWLOGS	PULPWOOD	PULPWOOD	POLES	STUMPWOOD	GUM	-	OTHER	LOGS	LOGS
0.00 17.33 11079.03 6221.33 2413.33 27475.55 19.44 0.00 0.00 52.00 0.00 0.00 0.00 2.66 7867.55 3313.33 16332.26 21879.60 1972 0.00 0.00 1.33 0.00 0.00 172.00 43.00 1803.87 5788.00 4386.33 5977.2 0.00 0.00 0.00 2,400.00 10.00 43.00 1803.87 5788.00 4386.33 3977.4 0.00	COUNTY	MBM	МВМ	MBF,D	MBF,D	CORDS	CORDS	CCUFT	TONS	BARRELS	Ш	MBF/CORDS	TONS	TONS
N	NORTHERN REGIO	Ž												
N	ALCORN	0.00	17.33	11079.03	6221.33	24113.33	27475.55	19.44	0.00	0.00	52.00	0.00	0.00	0.00
N. N. 0.000 4.2.64 15014.00 6157.31 625906.65 51070.71 39.72 0.00 0.00 44.66 0.00 2,400.00 NAW 0.000 1333 5310.00 2174.66 4265.93 3957.64 0.00 0.00 0.00 1,175.00 AA 0.00 0.00 100 256.66 235.33 3385.66 2590.75 0.00 0.00 290.66 0.00 1,175.00 AA 0.00 0.00 0.00 2565.60 2357.33 3385.66 2875.35 0.00 0.00 0.00 290.66 0.00 BA 0.00 0.00 100 266.60 2353.33 256.60 2575.35 0.00 0.00 200.00 0.00 200.00 0.00 200.00 0.00 200.00 0.00 200.00 0.00 200.00 200.00 200.00 200.00 200.00 200.00 200.00 200.00 200.00 200.00 200.00 200.00 200.00 200.00	BENTON	0.00	2.66	7867.55	3313.33	16532.26	21879.60	19.72	0.00	0.00	1.33	0.00	0.00	0.00
AAW 1712.00 413.00 1802.871 5788.00 4386.13 2575.82 157.61 0.00 0.00 0.00 0.00 1,175.00 AAW 0.00 0.00 290.00 23733 33836.63 29507.75 0.00 0.00 0.00 290.66 0.00 0.00 A 0.00 0.00 1661.00 296.66 2837.33 33836.63 29500.75 0.00 0	CALHOUN	0.00	42.66	15014.00	6157.33	65906.66	51070.71	39.72	0.00	0.00	46.66	0.00	2,400.00	0.00
A.W 0.00 13.33 3310.00 2174.66 40265.93 3987.764 0.00 0.00 296.65 0.00 0.00 A 0.00 0.00 1861.00 204.66 435.66 1875.35 0.00 0.00 190.66 0.00 48.33 AA 0.00 4400 10904.00 204.66 443.66 1875.35 0.00 0.00 0.00 0.00 BA 0.00 4400 1269.71 508.66 443.60 255.88 0.00 0.00 0.00 0.00 933.90 BA 0.00 1.33 8102.35 136.60 1794.66 39160.00 1794.44 28.88 0.00 0.00 0.00 0.00 933.90 LL 0.00 6.00 8192.31 1276.00 1794.66 13777.43 1482.33 1276.00 1797.04 4675.25 11.94 0.00 0.00 0.00 0.00 2.66 47.150.00 MERY 2.240 1.221 1.221	CARROLL	1712.00	413.00	18028.87	5788.00	43586.13	52755.82	157.61	0.00	0.00	0.00	0.00	1,175.00	212.50
AA 0.00 0.00 8962.00 6637.33 33836.66 29500.75 0.00 0.00 190.66 0.00 48.33 AA 0.00 48.00 16964.00 2646.65 2455.65 1875.35 0.00 933.30 BA 0.00 0.00 12369.71 2508.60 1294.66 249140.00 2523.74 28.83 0.00 0.00 0.00 0.00 252.00	CHICKASAW	0.00	13.33	5310.00	2174.66	40265.93	30957.64	0.00	0.00	0.00	290.66	0.00	0.00	0.00
A 0.00 0.00 1661.00 2.046.66 445.66 1875.55 0.00	CLAY	0.00	0.00	8962.00	6337.33	33836.66	29500.75	0.00	0.00	0.00	190.66	0.00	458.33	87.50
AA 0.00 48.00 1994.00 5996.00 28393.96 25688.00 555.55 0.00 0.00 20.00 0.00 933.30 BA 0.000 0.000 12836.00 1794.66 3916.00 1799.13 0.00 0.00 0.00 26.66 92.00 28.33 ITE 0.00 0.00 1238 1126.00 1794.46 3916.00 1799.13 0.00 0.00 0.00 26.66 92.00 25.00 LL 0.00 0.00 1.03 18172.46 13770.43 6673.55 11.94 0.00 0.00 0.00 0.00 MERY 2.284.00 1422.66 15147.00 6512.00 5991.35 62189.46 493.05 0.00	DESOTO	0.00	0.00	1661.00	2046.66	4456.66	1875.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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TTE 0.00 0.00 1183.60 1794.65 3916.00 1799.013 0.00 0.00 0.56.65 92.00 25.00 0.00 0.00 0.00 0.26.65 92.00 25.00 0.00	ITAWAMBA	0.00	0.00	12609.71	5058.66	44340.00	62924.44	28.88	0.00	0.00	0.00	0.00	58.33	0.00
I.L. 0.00 1.33 8102.35 1489.33 12760.00 14462.22 197.22 0.00 1450.00 0.00 0.00 1450.00 0.00 0.00 1450.00 0.00	LAFAYETTE	0.00	0.00	11836.00	1794.66	39160.00	17090.13	0.00	0.00	0.00	26.66	92.00	25.00	0.00
LL 0.00 0.00 8719-28 1479-46 1370-43 6675-55 11.94 0.00 0.00 0.00 0.00 9-33 3.200 12347/00 6512-06 84014-79 0.00 0.00 149.33 62.66 4,550.00 MERRY 2284.00 1422.66 15147/00 6512.00 59914-36 62189-46 493.05 0.00 0.00 149.33 62.60 4,550.00 MERRY 2284.00 1422.66 15147/00 6512.00 59914-36 62189-46 493.05 0.00 0.00 149.33 62.60 575.00 MERRY 2284.00 1422.66 15147/00 6512.00 59914-36 62189-46 493.05 0.00 <td>TEE</td> <td>0.00</td> <td>1.33</td> <td>8102.35</td> <td>1489.33</td> <td>12760.00</td> <td>14462.22</td> <td>197.22</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td>	TEE	0.00	1.33	8102.35	1489.33	12760.00	14462.22	197.22	0.00	0.00	0.00	0.00	0.00	0.00
MATERY 2284.00 12347.00 2582.66 46356.50 84014.97 0.00 0.00 0.00 149.33 62.66 4,150.00 MATERY 2284.00 1422.66 15147.00 2592.00 26512.00 259914.36 62189.46 493.05 0.00 0.00 1368.00 0.00 575.00	MARSHALL	0.00	0.00		14794.66	13770.43	6675.55	11.94	0.00	0.00	0.00	0.00	0.00	0.00
NMERY 2284.00 1422.66 15147.00 6512.00 59914.36 62189.46 493.05 0.00 0.00 1368.00 0.00 575.00 XC 0.00 46.66 7182.00 3922.98 29911.96 40154.57 13.51 0.00 0.00 0.00 10.07 0.00 SC 0.00 64.00 8192.10 4025.33 2903.33 3454.62 26.75 0.00 0.00 2321.12 41.33 0.00 SC 0.00 0.00 1727.00 3709.33 4200.00 3452.31 0.00 0.00 0.00 2321.12 41.33 0.00 NGO 0.00 457.33 13213.78 5105.33 31005.33 30262.22 46.11 0.00 0.00 477.33 0.00 0.00 NGO 84.00 10909.08 5274.66 27256.53 45635.31 38.33 0.00 0.00 477.33 0.00 0.00 930.00 0.00 5714.01 41414.00 9939.90	MONROE	9.33	. 32.00	1	5362.66	46356.50	84014.97	0.00	0.00	0.00	149.33	62.66	4,150.00	0.00
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H 0.00 457.33 1727.00 3799.33 4200.00 3462.31 0.00	PRENTISS	0.00	64.00	8192.10	4025.33	29053.33	34564.62	26.75	0.00	0.00	2321.12	41.33	0.00	562.50
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IGO 0.00 84.00 10909.08 5274.66 2725.53 45655.51 38.33 0.00 0.00 920.00 0.00	TIPPAH	0.00	457.33	13213.78	5105.33	31005.33	30262.22	46.11	0.00	0.00	477.33	0.00	0.00	0.00
0.00 0.00 5714.01 4140.00 9939.90 21076.80 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 2,250.00 2,250.00 0.00 2,250.00 0.00 7416.00 0.00 0.00 0.00 0.00 0.00 741.60 0.00 0.00 0.00 0.00 0.00 741.60 0.00	TISHOMINGO	0.00	84.00	10909.08	5274.66	27256.53	45655.51	38.33	0.00	0.00	920.00	0.00	0.00	0.00
HA 0.00 25.33 12949.00 4428.00 106243.83 33001.20 16.94 0.00 0.00 4780.76 0.00 2,250.00 HA 166.66 0.00 10868.00 3213.33 25896.66 34666.44 83.88 0.00 0.00 1.33 0.00 741.60 4171.99 2670.29 221274.76 108746.90 740970.42 873887.08 1388.75 0.00 0.00 10747.81 195.99 12766.56	UNION	0.00	0.00	5714.01	4140.00	9939.90	21076.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USHA 166.66 0.00 10868.00 3213.33 25896.66 34666.44 83.88 0.00 0.00 1.33 0.00 741.60 4171.99 2670.29 221274.76 108746.90 740970.42 873887.08 1388.75 0.00 0.00 10747.81 195.99 12766.56 12766.56	WEBSTER	0.00	25.33	12949.00	4428.00	106243.83	33001.20	16.94	0.00	0.00	4780.76	0.00	2,250.00	0.00
4171.99 2670.29 221274.76 108746.90 740970.42 873887.08 1388.75 0.00 0.00 10747.81 195.99 12766.56	YALOBUSHA	166.66	0.00	10868.00	3213.33	25896.66	34666.44	83.88	0.00	0.00	1.33	0.00	741.60	0.00
4171.99 2670.29 221274.76 108746.90 740970.42 873887.08 1388.75 0.00 0.00 10747.81 195.99 12766.56														
	TOTAL	4171.99	2670.29	221274.76	108746.90	740970.42	873887.08	1388.75	0.00	0.00	10747.81	195.99	12766.56	1500.00

TABLE 4. 1997 HARVESTED VOLUMES BY COUNTY

TOTAL	WINSTON	SMITH	SIMPSON	30011	KANKIN	OKTIBBEHA	NOXUBEE	NEWTON	NESHOBA	MADISON	LOWNDES	LEAKE	LAUDERDALE	KEMPER	JASPER	HOLMES	HINDS	CLARKE	CHOCTAW	ATTALA	CENTRAL REGION	COUNTY		
-							,	-	_	-	-	_	E				_	_	_		EGION	3	LUA	7
8791.58	0.00	0.00	381.33	11/0.66	0/6.00	5.28	0.00	0.00	0.00	0.00	73.33	24.00	1665.33	530.66	0.00	0.00	517.33	3719.66	28.00	0.00		MBM	LUMBER	
6861.60	0.00	1.33	0.00	0.00	0.00	1.33	188.00	452.00	196.76	2.67	302.66	688.00	2590.25	1135.16	192.00	0.00	54.66	1044.78	12.00	0.00		MBM	LUMBER	HARDWOOD
643021.33	32622.88	39073.24	35273.89	44099.21	31494.77	13428.00	36581.91	25931.98	65596.91	19690.95	6926.83	29181.31	42053.78	62937.07	37481.89	9104.25	15400.44	41181.67	25736.48	29223.87		MBF,D	SAWLOGS	PINE
149012.41	10597.33	7186.66	4782.66	7473.33	7130.69	4597.33	5108.00	6218.37	4590.66	6500.96	1805.33	7686.52	7272.00	12137.33	7828.17	9487.04	11065.92	8089.33	9350.66	10104.12		MBF,D	SAWLOGS	HARDWOOD
1637018.59	82215.16	62948.76		58978.76	79533.26			109371.03	115654.20	47163.96	16506.66	83840.13	113617.86	_	79471.70		28699.20	138342.16	102136.43	135843.73		CORDS	PULPWOOD	PINE
1308250.31	53431.68	59849.55	70021.55	51236.48	58637.02	28632.00	33189.24	59160.31	70026.71	58590.40	30339.28	71597.46	88850.04	82846.00	80886.66	102115.64	76182.08	129500.80	35100.75	68056.66		CORDS	PULPWOOD	HARDWOOD
12714.71	1018.61	123.38	513.63	151.41	514.65	312.50	1184.44	939.30	854.44	559.51		765.77	1628.95	1566.11	316.06	138.88	0.00		412.22	304.02		CCUFT	POLES	PINE
292.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	292.00	0.00	0.00		TONS	STUMPWOOD	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		BARRELS	GUM	TURPENTINE
3847.97	0.00	0.00	0.00	0.00	0.00	1486.66	9.33	0.00	86.66	0.00	933.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1310.66	21.33		MBF.D	CROSSTIES	
894.64	0.00	0.00	74.66	0.00	0.00	0.00	0.00	492.00	2.66	0.00	0.00	0.00	249.33	46.66	28.0	0.00	0.00			1.33		MBF/CORDS	OTHER	
88474.69	2,341.60	11041.6	10658.3	391.60	5,058.33	1,558.33	4,408.33	10108.33	316.66	216.66	1,058.33	1.583.33	3,775.00	1,450.00	22508.3	0.00	600.00	7.575.00	2.758.33	1,066.66		SNOT	LOGS	PINE
13287.50	0.00	37.50	8,375.00	0.00	1,912.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2 962 50	000	0.00		TONS	2001	HARDWOOD

TABLE 4. 1997 HARVESTED VOLUMES BY COUNTY

11725.16 43.73 74.74 12725.16 545.33 56170.20 14643.06 29217.51 382.57 146980.53 56046.66 23652.99 589.33 106559.73 19210.40 11194.34 38.66 60777.93 4498.22 15570.95 130.66 502241.83 3016.33 1579.93 2506.66 50292.13 6077.95 4462.78 6141.28 80291.03 62350.53 15799.38 2234.66 58938.93 7563.64 24976.85 9130.66 53800.26 51854.71 40823.27 4852.00 96467.20 65482.31 21425.28 7853.14 67512.30 20642.41 2335.44 3350.00 131676.66 19175.37 21632.02 3162.66 78220.33 45473.68 23651.58 660.00 89962.03 13290.66 23651.6 4254.66 5698.80 23312.13 3163.6 650.00 8962.03 13290.66	0.00 0.00	0.00 364.00 364.00 0.00 0.00 246.60 8872.00 0.00 0.00 5148.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
\$437.33 \$433.33 \$6170.20 \$382.57 \$146980.53 \$89.33 \$106559.73 \$38.66 \$62241.83 \$2606.66 \$0297.13 \$6141.28 \$80291.03 \$2234.66 \$80291.03 \$2234.66 \$80291.03 \$2234.66 \$80291.03 \$6412.28 \$80291.03 \$6412.28 \$80291.03 \$647.20 \$4852.00 \$6467.20 \$7853.14 \$67512.30 \$336.00 \$131676.66 \$3281.33 \$16259.66 \$3281.33 \$16259.66 \$3281.33 \$460.00 \$89962.03		0.00 364.00 0.00 0.00 246.60 8872.00 0.00 0.00 5148.00 5148.00 0.00 0.00 5148.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	
\$437.33 \$4382.57 \$489.33 \$89.33 \$106359.73 \$89.33 \$106359.73 \$66.66 \$6077.93 \$130.66 \$62341.83 \$2606.66 \$0292.13 \$6141.28 \$80391.03 \$224.66 \$8938.93 \$9130.66 \$8938.93 \$9130.66 \$8938.93 \$9130.66 \$53800.26 \$67512.30 \$7853.14 \$67512.30 \$3356.00 \$13167.66 \$3281.33 \$6129.66 \$3281.33 \$60.00 \$89962.03		0.00 364.00 0.00 0.00 246.60 8872.00 0.00 0.00 5148.00 0.00 0.00 3272.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	
\$437.33 \$437.33 \$89.33 \$89.33 \$106559.73 \$38.66 \$60777.93 \$130.66 \$50292.13 \$2606.66 \$50292.13 \$6141.28 \$80291.03 \$1224.66 \$8938.93 \$9130.66 \$53800.26 \$4852.00 \$7853.14 \$67512.30 \$3356.00 \$131676.66 \$3281.33 \$61529.66 \$3281.33 \$61529.66		0.00 364.00 364.00 0.00 246.60 8872.00 0.00 0.00 5148.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	
\$43.33 \$6170.50 \$43.33 \$6170.50 \$382.57 146980.53 \$89.33 106559.73 \$8.66 60777.93 \$130.66 62341.83 \$266.66 \$0292.13 \$266.66 \$0292.13 \$6141.28 80291.03 \$2234.66 \$8938.93 \$9130.66 \$5890.26 \$4852.00 96467.20 \$7853.14 67512.30 \$7853.14 67512.56 \$3281.33 61529.66		0.00 364.00 0.00 0.00 246.60 8872.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	
\$437.20 \$43.33 \$6170.20 \$382.57 \$146980.53 \$89.33 \$106559.73 \$38.66 \$62341.83 \$130.66 \$62341.83 \$2666.66 \$0292.13 \$2666.66 \$0292.13 \$2666.66 \$0292.13 \$2666.66 \$0292.13 \$2234.66 \$80291.03 \$2234.66 \$80291.03 \$234.66 \$80291.03 \$6141.28 \$80291.03 \$6141.28 \$6291.03 \$63938.93 \$9130.66 \$6551.30 \$67512.30 \$7853.14 \$67512.30		0.00 364.00 0.00 0.00 246.60 8872.00 0.00 0.00 0.00 5148.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	
\$437.33 \$477.30 \$487.33 \$82.57 \$146980.53 \$89.33 \$106559.73 \$38.66 \$6259.73 \$130.66 \$6259.73 \$2606.66 \$02592.13 \$6141.28 \$80291.03 \$2234.66 \$8938.93 \$9130.66 \$4822.00 \$96467.20 \$7853.14 \$67512.30		0.00 364.00 0.00 0.00 246.60 2772.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00	
545.33 56170.20 545.33 56170.20 3382.57 146980.53 589.33 106559.73 38.66 60777.93 130.66 62341.83 2606.66 62341.83 2604.66 80291.03 6141.28 80291.03 6234.66 58938.93 9130.66 53800.26 4852.00 96467.20		0.00 364.00 0.00 0.00 246.60 8872.00 0.00	0.00 0.00 0.00 0.00 0.00	
545.33 56170.50 545.33 56170.50 3382.57 146980.53 589.33 106559.73 38.66 60777.93 130.66 60241.83 2606.66 50292.113 6141.28 80291.03 6141.28 80291.03 53800.26 53800.26		0.00 364.00 0.00 0.00 246.60 8872.00	0.00 0.00 0.00 0.00 0.00	
545.33 56170.20 545.33 56170.20 3382.57 146980.53 589.33 106559.73 38.66 60777.93 130.66 62241.83 2606.66 50292.13 6141.28 80291.03 2234.66 58938.93		0.00 364.00 0.00 246.60 8872.00	0.00 0.00 0.00 0.00	
382.57 146980.53 382.57 146980.53 589.33 106559.73 38.66 60777.93 130.66 62341.83 2666.66 50392.13 6141.28 80291.03		0.00 364.00 0.00 246.60	0.00 0.00 0.00	
543.33 56170.20 543.33 56170.20 3382.57 146980.53 589.33 106559.73 38.66 60777.93 130.66 62341.83 2606.66 50292.13	1 2 1	0.00 364.00 0.00	0.0	
543.33 56170.30 545.33 56170.20 3382.57 146980.53 589.33 106559.73 38.66 60777.93 130.66 62341.83		0.00 364.00	0.0	000
547.23 56170.20 545.33 56170.20 3382.57 146980.53 589.33 106559.73 38.66 60777.93		0.00	0.0	888
545.33 56170.20 545.33 56170.20 3382.57 146980.53 589.33 106559.73		04.00	0.	88
545.33 56170.20 3382.57 146980.53		00 V8		2
545.33 56170.20 1		36.00	0.00	5
יטניסנייני כנייייני	3.06 797.11	0.00	0.00	٩
4577 23 25726	4.31 387.77	0.00	0.00	0
6480.77 1792.00 47023.06 14192.22	2.22 7289.44	1148.00	0.00	
	7.06 1143.64	1168.00	0.00	
41438.07 8632.06 102690.46 100134.88	4.88 688.62	0.00	0.00	
60517.52 3567.42 89950.33 68236.53	6.53 976.96	0.00	0.00	٩
MIDE AT CONDS CORDS	CCOFI	LOINS	DAKKELS	ELS
WEED COMPS	+	OF CAME AS COM	1400	
dOOM4 liid	1	COMMANIES	2	إ
HARDWOOD PINE HARDWOOD	PINE		TURPENTINE	

TABLE 4. 1997 HARVESTED VOLUMES BY COUNTY

GRAND TOTAL	TOTAL	YAZZO	WILKINSON	WASHINGTON	WARREN	TUNICA	TALLAHATCHIE	SUNFLOWER	SHARKEY	QUITMAN	LEFLORE	JEFFERSON	ISSAQUEENA	HUMPHREYS	COAHOMA	CLAIBORNE	BOLIVAR	ADAMS	DELTA/RIVER REGION	COUNTY			
AL		_		Ž			HE						1	3					R REGIO		_		
23136.12	1538.65	0.00	710.66	0.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00	150.66	0.00	0.00	0.00	156.00	0.00	501.33	NC	MBM	LUMBER	PINE	
22943.68	3072.79	0.00	806.14	1045.33	0.00	254.66	0.00	0.00	0.00	0.00	0.00	89.33	0.00	0.00	877.33	0.00	0.00	0.00		MBM	LUMBER	HARDWOOD	
1541069.19	78180.98	1944.67	29469.00	139.00	2825.11	0.00	. 1645.00	0.00	11.00	54.37	274.00	24683.52	90.00	1231.00	1.00	8470.69	485.62	6857.00		MBF,D	SAWLOGS	PINE	
510858.43	168229.38	20348.00	17552.00	7966.66	43968.60	1130.66	2389.33	204.00	1393.33	301.33	788.00	12644.49	12525.33	408.00	33.33	30945.58	4822.74	10808.00		MBF.D	SAWLOGS	HARDWOOD	
4217057.13	110453.07	3209.43	29386.90	51.20	4949.70	0.00	1876.30	0.00	782.13	53.33	196.70	30183.10	325.76	243.26	130.70	29107.00	83.33	9874.23		CORDS	PULPWOOD	PINE	
3536706.64	558866.95	62028.62	91104.57	23099.33	97770.80	2752.57	7283.20	1944.22	7815.91	151.11	2630.75	93748.48	52905.15	5930.57	4315.55	59719.82	10644.66	35021.64		 CORDS	PULPWOOD	HARDWOOD	
60555.97	963.39	0.00	181.11	0.00	0.00	0.00	22.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	760.06	0.00		CCUFT	POLES	PINE	
20630.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		TONS	STUMPWOOD		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		BARRELS	GUM	TURPENTINE	
14631.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		MBF.D	CROSSTIES		
1187.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		MBF/CORDS	OTHER		
256443.93	12852.96	0.00	7,433.30	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	4,225.00	0.00	0.00	0.00	850.00	0.00	319.66		TONS	LOGS	PINE	
39012.50	62.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.50	0.00	0.00	0.00	0.00	0.00	0.00		TONS	10GS	HARDWOOD	