

# The Economic Contribution of Forestry and Forest Products in Warren County

## Warren County

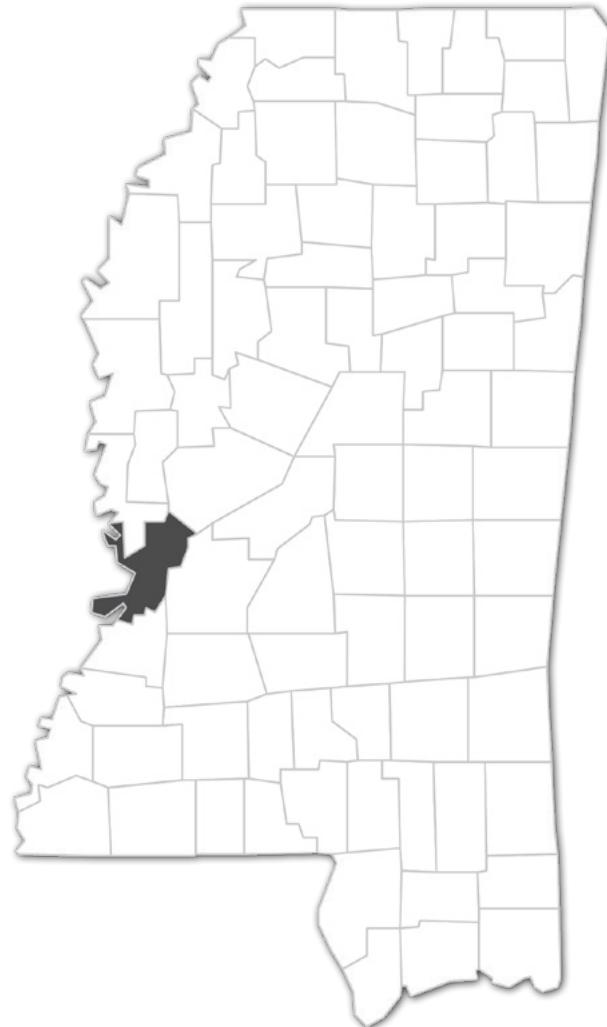
The forestry and forest products industries are a major component of Warren County's economy. The forest-related economic sectors generate value not only within their own sectors but also in other sectors of the economy. The multiplier effect of economic activity in one sector and the impacts on other sectors can be estimated using input-output analysis. Using 2022 data, this study estimates the economic contribution of the forestry and forest products industries to Warren County, Mississippi.

## Employment and Income Contributions

Forest-related economic activity in Warren County during 2022 generated 894 jobs and nearly \$54.13 million in income. That's about 3.41 percent of jobs and 3.37 percent of income in the county. Employment is the number of full- and part-time jobs in all sectors of the economy. Income includes all forms of employment income, including employee compensation (wages and benefits) and proprietor income, also referred to as labor income.

## Total Output and Value- Added Contributions

Over \$321.45 million, or about 2.89 percent of economic output in Warren County, is generated by the forestry and forest products industries. Forest-related value-added amounted to over \$116.05 million, or about 3.29 percent of all value-added in the county. The value of all goods and services produced is defined as total output. Value-added is a portion of total output and represents the creation of new wealth.



**Table 1. Contributions from forest-related sectors on employment and income in Warren County, Mississippi, 2022.**

Sectors	Number of Jobs	% of County	Income (\$)	% of County
<b>Direct Contribution from Forest Related Sectors</b>				
Forest Support Service	89	0.34	996,638	0.06
Logging	94	0.36	6,940,167	0.43
Solid Wood Product	337	1.28	20,664,255	1.29
Pulp and Paper	91	0.35	12,829,144	0.80
Wood Furniture	4	0.02	176,471	0.01
Subtotal	615	2.34	41,606,675	2.59
<b>Indirect and Induced Contributions on Sectors</b>				
Retail and Wholesale Trade	114	0.43	4,602,146	0.29
Real Estate, Finance, and Insurance	23	0.09	677,405	0.04
Services	80	0.30	3,306,798	0.21
Construction and Manufacturing	3	0.01	249,206	0.02
Health Care	29	0.11	2,075,231	0.13
Transportation and Warehousing	4	0.02	429,183	0.03
Government	4	0.02	415,406	0.03
Agriculture Production and Services	0	0.00	21,970	0.00
Food and Fiber	17	0.06	576,736	0.04
Hotels and Entertainment	4	0.02	128,636	0.01
Education	2	0.01	39,657	0.00
Subtotal	280	1.07	12,522,374	0.78
<b>Total Impact from Forest Related Sector</b>	<b>894</b>	<b>3.41</b>	<b>54,129,049</b>	<b>3.37</b>
<b>Rest of the County</b>	<b>25,352</b>	<b>96.59</b>	<b>1,551,415,871</b>	<b>96.63</b>
<b>Total in County</b>	<b>26,247</b>	<b>100.00</b>	<b>1,605,544,920</b>	<b>100.00</b>

**Table 2. Contributions from forest-related sectors on total output and value-added in Warren County, Mississippi, 2022.**

Sectors	Output (\$)	% of County	Value-Added (\$)	% of County
<b>Direct Contribution from Forest Related Sectors</b>				
Forest Support Service	1,571,519	0.01	1,085,998	0.03
Logging	11,592,463	0.10	7,752,201	0.22
Solid Wood Product	165,416,335	1.49	52,505,332	1.49
Pulp and Paper	89,322,927	0.80	27,537,194	0.78
Wood Furniture	770,157	0.01	180,836	0.01
<b>Subtotal</b>	<b>268,673,401</b>	<b>2.42</b>	<b>89,061,561</b>	<b>2.53</b>
<b>Indirect and Induced Contributions on Sectors</b>				
Retail and Wholesale Trade	20,504,473	0.18	12,484,204	0.35
Real Estate, Finance, and Insurance	7,345,930	0.07	4,325,468	0.12
Services	8,817,926	0.08	4,241,177	0.12
Construction and Manufacturing	6,023,937	0.05	1,053,471	0.03
Health Care	3,794,858	0.03	2,280,974	0.06
Transportation and Warehousing	2,146,532	0.02	771,112	0.02
Government	593,840	0.01	584,365	0.02
Agriculture Production and Services	182,498	0.00	37,490	0.00
Food and Fiber	2,796,941	0.03	841,370	0.02
Hotels and Entertainment	483,475	0.00	329,769	0.01
Education	89,947	0.00	40,140	0.00
<b>Subtotal</b>	<b>52,780,357</b>	<b>0.47</b>	<b>26,989,540</b>	<b>0.77</b>
<b>Total Impact from Forest Related Sector</b>	<b>321,453,758</b>	<b>2.89</b>	<b>116,051,101</b>	<b>3.29</b>
<b>Rest of the County</b>	<b>10,801,873,755</b>	<b>97.11</b>	<b>3,409,670,432</b>	<b>96.71</b>
<b>Total in County</b>	<b>11,123,327,513</b>	<b>100.00</b>	<b>3,525,721,533</b>	<b>100.00</b>

Estimates developed using IMPLAN software and data. Timber harvest value according to the Mississippi Harvest of Forest Products Report.

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