Forestry Impacts Stark County’s Economy

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Stark County’s Forests

Informational Resources

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2021 Coffey Rd.
Columbus, OH 43210
Phone: (614) 688-3421
Web: ohiowood.osu.edu
woodlandstewards.osu.edu

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2650 Richville Dr. SE, Suite 100
Massillon, OH 44646
Phone: (330) 830-7700
Fax: (330) 830-7720
Web: stark.osu.edu

Ohio Division of Forestry
3601 New Garden Rd.
Salem, OH 44460-9571
Phone: (330) 222-1486
Fax: (330) 222-1486
Web: www.forestry.ohiodnr.gov/serviceforesters

Stark County Soil and Water Conservation District
2650 Richville Dr. SE
Massillon, OH 44646
Phone: (330) 830-7700
Fax: (330) 830-7731
Web: www.starkswcd.org

Ohio Society of American Foresters Directory
www.osafdirectory.com

Ohio Forestry Association
Master Logging Company Program
Office: 746 Morrison Rd., Columbus, OH 43230
Mail: 1100-H Brandywine Blvd., Zanesville, OH 43701
Phone: (614) 497-9580
Fax: (614) 497-9581
Web: www.ohioforest.org

Call Before You Cut
Phone: (877) 424-8288
Web: www.callb4ucut.com

Forest Land 14%
Nonforest Land 86%

Publicly Owned 12%
Privately Owned 88%

All Other Species 38%
Soft Maple 19%
Beech 6%
Hickory 7%
Cottonwood and Aspen 16%
Red Oaks 14%

Stark County’s land base.

Stark County’s forest land ownership.

Stark County’s timberland growing stock distribution.
## Stark County’s Forest Industries

<table>
<thead>
<tr>
<th></th>
<th>Jobs</th>
<th>Output</th>
<th>Labor Income</th>
<th>Value Added</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Direct Impacts of Stark County’s Forest Industries</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Forestry and Logging</td>
<td>93</td>
<td>$7,509,000</td>
<td>$4,205,000</td>
<td>$3,018,000</td>
</tr>
<tr>
<td>Wood Products Manufacturing</td>
<td>312</td>
<td>$53,886,000</td>
<td>$14,061,000</td>
<td>$18,971,000</td>
</tr>
<tr>
<td>Paper Manufacturing</td>
<td>571</td>
<td>$275,979,000</td>
<td>$41,490,000</td>
<td>$54,876,000</td>
</tr>
<tr>
<td>Wood Furniture Manufacturing</td>
<td>48</td>
<td>$6,019,000</td>
<td>$1,816,000</td>
<td>$2,249,000</td>
</tr>
<tr>
<td>All Forest Industries</td>
<td>1,024</td>
<td>$343,394,000</td>
<td>$61,572,000</td>
<td>$79,114,000</td>
</tr>
</tbody>
</table>

|                      |      |            |              |              |
| **Type SAM Economic Multipliers** |      |            |              |              |
| Forestry and Logging | 1.62 | 1.60       | 1.41         | 1.88         |
| Wood Products Manufacturing | 1.60 | 1.39       | 1.51         | 1.66         |
| Paper Manufacturing   | 2.29 | 1.35       | 1.74         | 2.01         |
| Wood Furniture Manufacturing | 1.48 | 1.43       | 1.47         | 1.70         |
| All Forest Industries | 1.99 | 1.36       | 1.65         | 1.92         |

|                      |      |            |              |              |
| **Total Impacts of Stark County’s Forest Industries** |      |            |              |              |
| Forestry and Logging | 151  | $11,978,000 | $5,930,000   | $5,686,000   |
| Wood Products Manufacturing | 498 | $74,839,000 | $21,256,000 | $31,457,000  |
| Paper Manufacturing   | 1,306 | $373,643,000 | $72,004,000 | $110,475,000 |
| Wood Furniture Manufacturing | 70  | $8,598,000  | $2,662,000   | $3,813,000   |
| All Forest Industries | 2,037 | $468,636,000 | $101,550,000 | $151,673,000 |

|                      |      |            |              |              |
| **Location Quotients** |      |            |              |              |
| Forestry and Logging | 0.76 | 0.49       | 0.72         | 0.50         |
| Wood Products Manufacturing | 0.70 | 0.65       | 0.86         | 0.91         |
| Paper Manufacturing   | 1.30 | 1.21       | 1.42         | 1.04         |
| Wood Furniture Manufacturing | 0.15 | 0.11       | 0.15         | 0.12         |
| All Forest Industries | 0.77 | 0.90       | 0.96         | 0.80         |

(---) is withheld data to prevent potential disclosure of individual company information. Note: total impacts should not be added across industries. This overestimates the contributions of all forest industries due to any interactions occurring between individual sectors.

### Terminology

**Direct Impacts** - the effects generated by a county’s forest industries to meet the final demand for wood and fiber products.

**Type SAM (Social Accounting Matrix) Economic Multipliers** - figures quantifying the forest industries’ influences on other economic sectors. They are defined by dividing the sum of the direct, indirect, and induced impacts by the direct impact.

**Total Impacts** - the summed effects of the forest industries’ direct, indirect, and induced impacts on the county’s economy.

**Location Quotients (LQs)** - ratios comparing the forest industries’ relative contributions at the county level to their national share of the U.S. economy, which provides measures of specialization. Here, the forest industries’ LQs are defined as:
- ≤ 1.00 - not specialized;
- 1.01 - 5.00- specialized;
- 5.01 - 15.00- highly specialized;
- ≥ 15.01- very highly specialized.

### Sources

U.S. Census Bureau; U.S. Forest Service Forest Inventory and Analysis; and Input-Output Models of the U.S. and Stark County, Ohio, IMPLAN LLC. All data are for the year 2012 and are reported in 2012 dollars.

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Bruce McPherson, Ph.D., Vice President for Agricultural Administration & Dean

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