Tuscarawas County’s Forest Economy

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Tuscarawas County contains 567 square miles (363,290 acres) of land and is home to 92,400 citizens[1]. There are 233 industries in the county[2], with the median household earning an income of $42,850[1]. Major employers include businesses in the sectors of food services, state and local governments, nursing and residential care facilities, and wholesale trade[2].

The land resources of Tuscarawas County provide many economic benefits. The county’s 950 agricultural farms produce dairy and milk products, poultry, and agronomic crops, among others[3]. An abundance of wooded acres are also present, providing community support to the county’s forest industries. These businesses generate $245 million in industrial output and $15.3 million in taxes[2].

Some of the many contributions Tuscarawas County’s forests and forest industries provide to the local economy are illustrated in this fact sheet using key figures and statistics. The figures describing Tuscarawas County’s forest resources were constructed using data from the 2011 forest survey database provided by the United States Forest Service’s Forest Inventory and Analysis. Those explaining the county’s forest industries were developed from data analyzed using IMPLAN®. Table 1 summarizes the IMPLAN® model for Tuscarawas County’s economy[4].

Benefits of Woodland Management

• Properly managing your woodland improves forest health, aesthetics, and wildlife habitat. It also provides soil stabilization, clean water, self-satisfaction, and a potential source of income.
• Managing timber requires less long-term inputs compared to many other land uses.
• You are often able to obtain cost share funds to establish your woodland, property tax credits while managing your forest property, and preferable tax treatment at harvest.
• Standing timber is a stable form of wealth, often comparable in performance to mutual fund investments.

For more information regarding IMPLAN® and the economic impact analyses for Tuscarawas County, please contact the first author in the School of Environment and Natural Resources.
Figure 2. Tuscarawas County contains approximately 197,000 forested acres, which is 54.3% of the total land cover[1,3,5].

Figure 3. Tuscarawas County’s farmland and forestland production, 2010[2]. This figure does not include harvests from government lands.

Figure 4. Tuscarawas County’s forestland is 97.3% privately owned, nearly 192,000 acres[5].

Figure 5. Tuscarawas County contains 1.14 billion board feet of sawtimber[5]. The top five species make up 68.6% of the total volume.

How Can I Learn to Better Manage My Woodland?

• Become actively involved in the stewardship of your property.
• Join your local forestry association.
• Search Ohio State University Extension’s website Ohioline (http://ohioline.osu.edu/for-fact/index.html) for further study of forestry related topics.
• Contact your local service forester at the Ohio Division of Forestry to help you develop a management plan for your property.
• Obtain soils information from your local Soil and Water Conservation District.
• Enlist the assistance of a professional forester when planning a timber sale.
• Consider hiring an Ohio Master Logging Company to conduct your harvesting operation.

For More Information, Please Consult the Following Sources

School of Environment and Natural Resources
The Ohio State University
2021 Coffey Rd.
Columbus, OH 43210
Phone: (614) 688-3421
Web: http://www.ohiowood.osu.edu/
http://woodlandstewards.osu.edu/

Ohio State University Extension, Tuscarawas County
419 16th St. SW.
New Philadelphia, OH 44663-6902
Phone: (330) 339-2337
Fax: (330) 339-7442
Web: http://tuscarawas.osu.edu/

Ohio Division of Forestry
3601 New Garden Rd.
Salem, OH 44460-9571
Phone: (330) 222-1486
Fax: (330) 222-1486

Tuscarawas County Soil and Water Conservation District
2201 Progress Dr., Suite B
Dover, OH 44622
Phone: (330) 339-7976
Fax: (330) 339-1559
Web: www.tuscoi.com

Ohio Society of American Foresters
www.osafdirectory.com
Terminology

Acre: A unit of land measure equal to 43,560 square feet (208.7 feet × 208.7 feet). One square mile equals 640 acres.

Direct Economic Impact: The effect generated by the industry of interest in an economic impact analysis. This is measured through employment, value-added, and industrial output produced to meet demand for the manufactured product(s).

Direct Federal Tax Impact: Taxes collected by the United States government. These taxes are generated from labor income, indirect business taxes, households, and corporations associated with the industry of interest.

Direct State and Local Tax Impact: Taxes paid to state, county, and municipal governments. These taxes are generated from labor income, indirect business taxes, households, and corporations associated with the industry of interest.

Employment: The total wage and salary and self-employed jobs in a geographical area.

Indirect Business Taxes: Sales and excise taxes paid by individuals to businesses through normal operations. They do not include taxes on corporate profits and dividends.

Industrial Output: The total value of production measured as the sum of value-added plus the cost of buying goods and services to produce the product(s).

Labor Income: Wages and benefits paid to employees plus proprietary income for self-employed work.

Sawtimber Volume: Net volume in board feet by the International 1/4-inch rule of sawlogs in sawtimber trees on timberland. Gross volume minus the deductions that affect use for lumber equals net volume.

Value-Added: The sum of labor income, interest, profits, and indirect business taxes.
Table 1. Direct industrial contributions within Tuscarawas County’s economy, 2010[2]. The IMPLAN® model’s 440 sectors were aggregated into 12 industries by each sector’s 2-digit North American Industry Classification System (NAICS) code number.

<table>
<thead>
<tr>
<th>NAICS Industry Description</th>
<th>Employment</th>
<th>Labor Income</th>
<th>Value-Added</th>
<th>Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>11 Agriculture, Forestry, Fishing, and Hunting</td>
<td>985</td>
<td>$15,989,966</td>
<td>$34,838,988</td>
<td>$102,692,553</td>
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<tr>
<td>113 Forestry and Logging</td>
<td>16</td>
<td>$813,652</td>
<td>$4,085,464</td>
<td>$5,098,868</td>
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<tr>
<td>21 Mining</td>
<td>786</td>
<td>$74,012,533</td>
<td>$123,268,346</td>
<td>$176,059,260</td>
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<td>22 Utilities</td>
<td>93</td>
<td>$7,331,994</td>
<td>$32,034,694</td>
<td>$63,607,294</td>
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<tr>
<td>23 Construction</td>
<td>2,003</td>
<td>$72,919,989</td>
<td>$91,890,659</td>
<td>$228,664,136</td>
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<tr>
<td>31–33 Manufacturing</td>
<td>6,755</td>
<td>$366,247,787</td>
<td>$588,665,977</td>
<td>$2,169,501,128</td>
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<tr>
<td>321 Wood Products Manufacturing</td>
<td>556</td>
<td>$26,702,588</td>
<td>$31,185,927</td>
<td>$87,849,505</td>
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<tr>
<td>322 Paper Manufacturing</td>
<td>396</td>
<td>$22,076,956</td>
<td>$33,467,359</td>
<td>$137,693,150</td>
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<td>337 Wood Furniture Manufacturing</td>
<td>122</td>
<td>$4,058,583</td>
<td>$5,794,256</td>
<td>$14,967,220</td>
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<td>42 Wholesale Trade</td>
<td>1,414</td>
<td>$71,244,231</td>
<td>$146,579,752</td>
<td>$195,609,467</td>
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<td>44–45 Retail Trade</td>
<td>5,223</td>
<td>$123,989,916</td>
<td>$184,486,825</td>
<td>$291,980,192</td>
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<td>48–49 Transportation and Warehousing</td>
<td>1,160</td>
<td>$57,050,095</td>
<td>$72,550,589</td>
<td>$134,188,795</td>
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<td>51–56 Professional Services</td>
<td>6,582</td>
<td>$193,938,441</td>
<td>$591,828,828</td>
<td>$948,303,361</td>
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<td>61–72 Educational, Health, and Recreation Services</td>
<td>9,255</td>
<td>$258,882,148</td>
<td>$312,167,027</td>
<td>$568,017,928</td>
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<td>81 Other Services</td>
<td>2,181</td>
<td>$68,090,996</td>
<td>$72,998,896</td>
<td>$151,080,516</td>
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<td>92 Government and non-NAICS Industries</td>
<td>5,334</td>
<td>$251,948,856</td>
<td>$287,004,056</td>
<td>$341,671,175</td>
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<td>Forest Industries</td>
<td>1,090</td>
<td>$53,651,779</td>
<td>$74,533,006</td>
<td>$245,608,743</td>
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<td>Total</td>
<td>41,770</td>
<td>$1,561,646,949</td>
<td>$2,538,314,634</td>
<td>$5,371,375,806</td>
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References