



F-81-12

Belmont County's Forest Economy

Eric McConnell, Ph.D.

Forest Operations and Products Specialist
Ohio State University Extension

Stephen Schumacher

Agriculture and Natural Resources
Ohio State University Extension, Belmont County

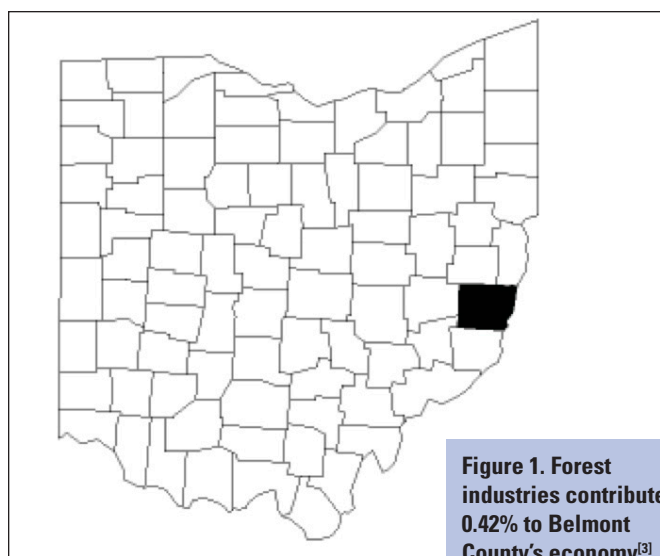


Figure 1. Forest industries contribute 0.42% to Belmont County's economy^[3].

Belmont County contains 532 square miles (340,480 acres) of land and is home to 70,400 citizens^[1]. There are 158 industries in the county^[2], with the median household earning an income of \$38,320. Major employers include businesses in the sectors of food services, state and local governments, private hospitals, and nursing and residential care facilities^[2].

The land resources of Belmont County provide many economic benefits. The county's 660 agricultural farms produce cattle and calves, dairy and milk, and oats and hay, among others^[3]. An abundance of wooded acres are also present, providing community support to the county's

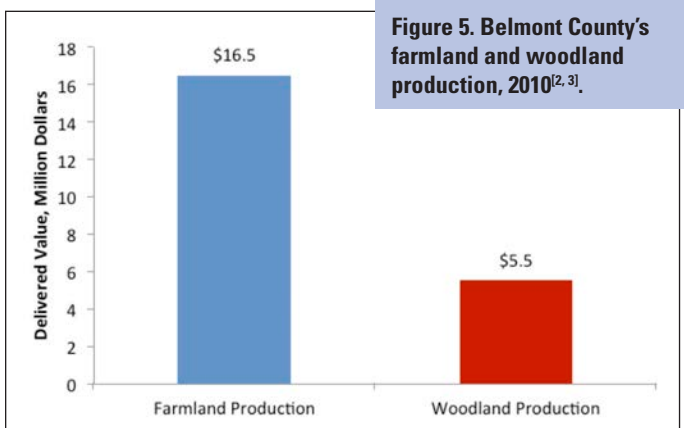
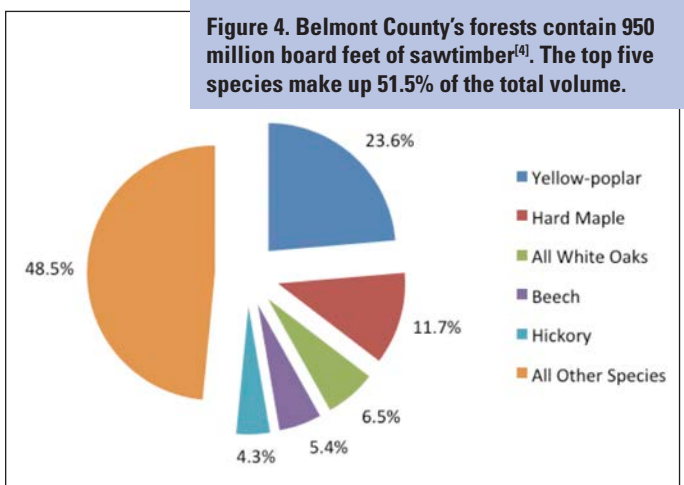
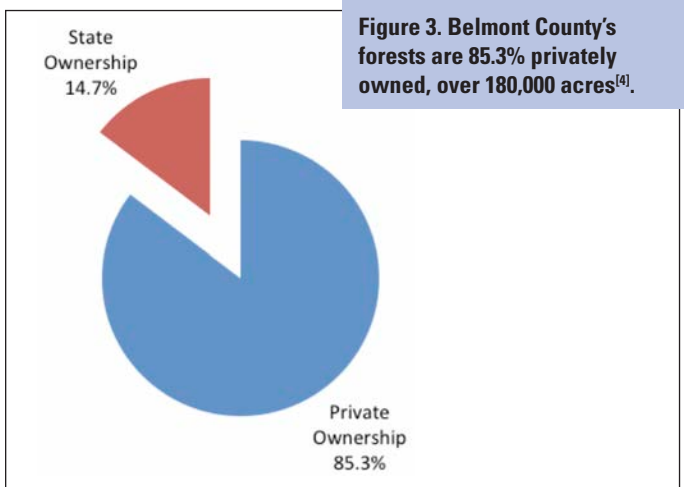
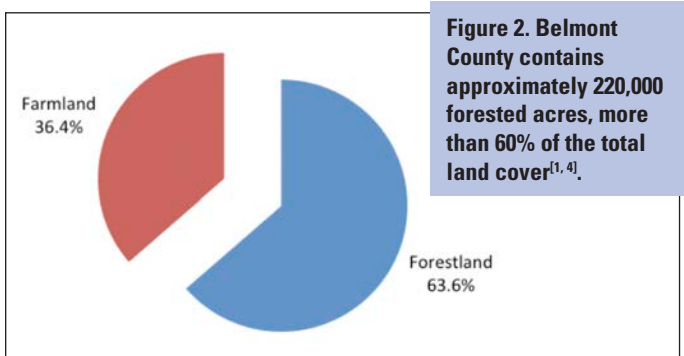
forest industries. These businesses generate \$14.4 million in industrial output and \$959,000 in taxes^[2].

Some of the many contributions Belmont County's forests and forest industries provide to the local economy are illustrated in this fact sheet using key figures and statistics. Figures 2–4, describing Belmont County's forest resources, were constructed using data from the 2010 forest survey database provided by the United States Forest Service's Forest Inventory and Analysis. Figures 5–8 explain the county's forest industries and were developed from data analyzed using IMPLAN[®]. Table 1 summarizes the IMPLAN[®] model for Belmont County's economy.^a

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 and manage 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.

^aFor more information regarding IMPLAN[®] and the economic impact analyses for Belmont County, please contact the first author in the School of Environment and Natural Resources.



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 for further study of Forestry related topics, <http://ohioline.osu.edu/for-fact/index.html>.
- Contact your local service forester with 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 Road
 Columbus, OH 43210
 Phone: (614) 688-3421
 Fax: (614) 292-7432
 Web: <http://ohiowood.osu.edu/>
<http://woodlandstewards.osu.edu/>

Ohio State University Extension, Belmont County

101 North Market St., Suite A
 Saint Clairsville, OH 43950
 Phone: (740) 695-1455
 Fax: (740) 695-5614
 Web: <http://belmont.osu.edu/>

Ohio Division of Forestry

2050 East Wheeling Ave.
 Cambridge, OH 43725-2159
 Phone: (740) 439-9079
 Fax: (740) 432-7711
 Web: <http://ohiodnr.com/Home/landowner/LandownerAssistance/tabid/5279/Default.aspx>

Belmont County Soil and Water Conservation District

101 North Market St., Suite D
 Saint Clairsville, OH 43950
 Phone: (740) 526-0027
 Fax: (740) 695-5614
 Web: <http://belmontswcd.org/>

Ohio Society of American Foresters
www.osafdirectory.com

Ohio Forestry Association

Office: 746 Morrison Road, Columbus, OH 43230
 Mail: 1100-H Brandywine Boulevard,
 Zanesville, OH 43701
 Phone: (614) 497-9580
 Fax: (614) 497-9581
 Web: <http://ohioforest.org/>

Call Before You Cut

Phone: (877) 424-8288
 Web: <http://callb4ucut.com/>

Terminology^[5, 6]

Acres: 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 U.S. 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.

Figure 6. Direct economic impact of Belmont County's forest industries, 2010^[2]. Labor income, value-added and industrial output are represented on the left Y-axis, and employment is represented on the right Y-axis.

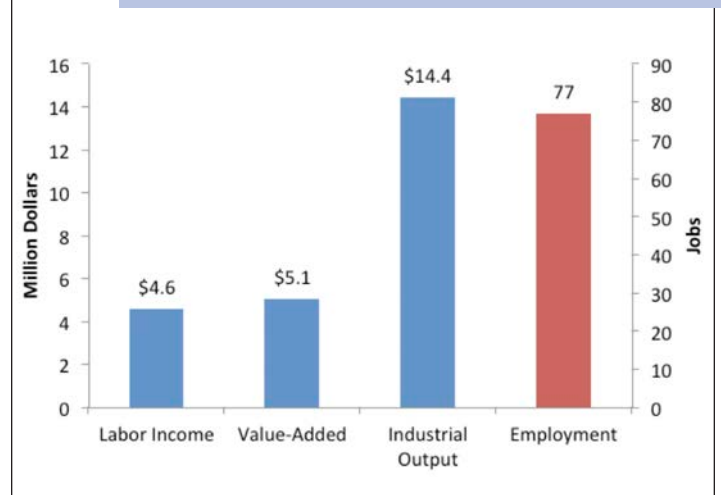


Figure 7. Belmont County's forest industry employers by sector, 2010^[2]. A (----) indicates less than five employees to prevent potential disclosure of individual company information.

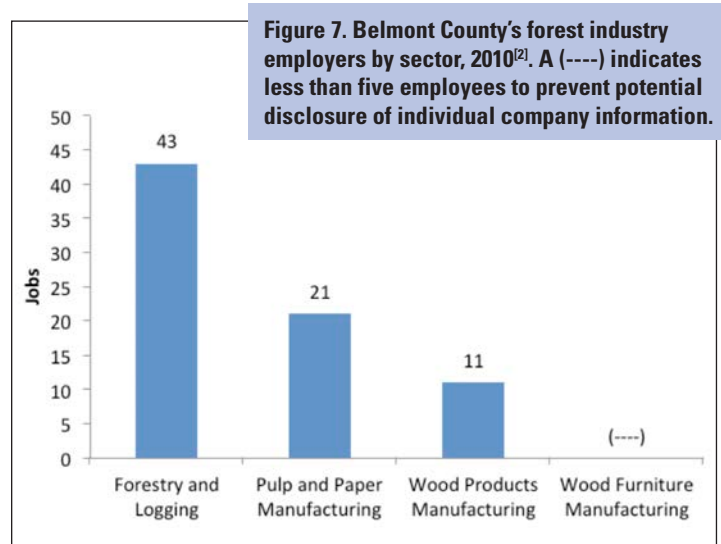


Figure 8. Direct tax impact of Belmont County's forest industries, 2010^[2].

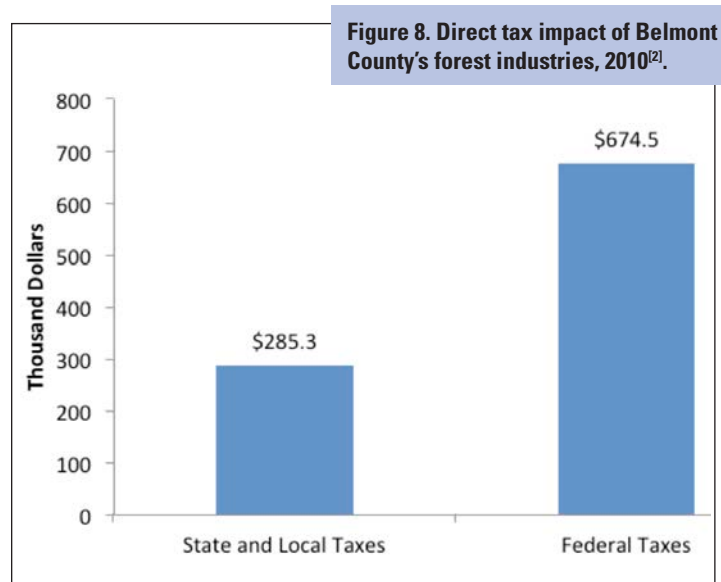


Table 1. Direct industrial contributions within Belmont County's economy, 2010^[2]. The IMPLAN model's 440 sectors were aggregated into 12 industries by each sector's 2-digit North American Industry Classification System (NAICS) code number. A (----) indicates less than five employees or a value less than \$500,000 to prevent potential disclosure of individual company information.

Industry NAICS Description	Employment	Labor Income	Value Added	Industrial Output
11 Agriculture, Forestry, Fishing, and Hunting	437	\$7,482,299	\$9,967,018	\$31,704,581
113 Forestry and Logging	43	\$2,468,691	\$2,437,441	\$4,784,870
21 Mining	1,232	\$141,176,585	\$272,667,735	\$409,361,123
22 Utilities	183	\$19,734,990	\$81,785,975	\$95,841,747
23 Construction	1,624	\$61,712,024	\$77,090,932	\$187,966,945
31–33 Manufacturing	1,029	\$60,415,538	\$94,138,430	\$446,139,089
321 Wood Products Manufacturing	11	\$826,694	\$964,736	\$1,816,497
322 Pulp and Paper Manufacturing	21	\$1,173,087	\$1,566,641	\$7,557,686
337 Wood Furniture Manufacturing	(----)	(----)	(----)	(----)
42 Wholesale Trade	641	\$35,786,500	\$69,957,974	\$92,197,388
44–45 Retail Trade	4,819	\$111,790,314	\$167,254,949	\$262,721,210
48–49 Transportation and Warehousing	793	\$42,336,764	\$56,056,140	\$100,771,504
51–56 Professional Services	5,905	\$148,384,849	\$593,921,530	\$931,380,728
61–72 Educational, Health, and Recreation Services	7,957	\$207,842,446	\$252,632,059	\$487,253,184
81 Other Services	1,728	\$43,526,775	\$45,874,489	\$103,505,663
92 Government & non-NAICS Industries	4,478	\$202,302,214	\$231,894,395	\$262,514,171
Forest Industries	77	\$4,563,580	\$5,053,587	\$14,435,955
Total	30,825	\$1,082,491,298	\$1,953,241,628	\$3,411,357,335

References

- [1] United States Census. 2010. United States census quick facts. <http://quickfacts.census.gov/qfd/states/39/39013.html>.
- [2] Minnesota IMPLAN Group. 2012. 2010 Ohio state and national package database. MIG, Inc., Hudson, WI.
- [3] United States Department of Agriculture National Agricultural Statistics Service. 2012. 2010 Ohio county summaries. http://www.nass.usda.gov/Statistics_by_State/Ohio/Charts_and_Maps/index.asp.
- [4] United States Forest Service Forest Inventory and Analysis Database. 2012. Belmont County 2010 forest survey database. <http://apps.fs.fed.us/fido/standardrpt.html>.
- [5] United States Forest Service Forest Inventory and Analysis. 2012. Northeast Forest Inventory and Analysis Methodology: Common definitions used by FIA. http://www.fs.fed.us/ne/fia/methodology/def_ah.htm.
- [6] Minnesota IMPLAN Group. 2004. IMPLAN Professional®: Users Guide, Analysis Guide, Data Guide. 3rd edition. MIG, Inc.

Acknowledgment

We thank Liza Butler, Wildlife/Forestry Specialist, Belmont County SWCD, and Bobby Ammerman and Billy Thomas, University of Kentucky, for kindly reviewing this fact sheet.

EMPOWERMENT THROUGH EDUCATION

Visit Ohio State University Extension's web site "Ohioline" at: <http://ohioline.osu.edu>

Ohio State University Extension embraces human diversity and is committed to ensuring that all research and related educational programs are available to clientele on a nondiscriminatory basis without regard to age, ancestry, color, disability, gender identity or expression, genetic information, HIV/AIDS status, military status, national origin, race, religion, sex, sexual orientation, or veteran status. This statement is in accordance with United States Civil Rights Laws and the USDA.

Keith L. Smith, Associate Vice President for Agricultural Administration; Associate Dean, College of Food, Agricultural, and Environmental Sciences; Director, Ohio State University Extension; and Gist Chair in Extension Education and Leadership.

For Deaf and Hard of Hearing, please contact Ohio State University Extension using your preferred communication (e-mail, relay services, or video relay services). Phone 1-800-750-0750 between 8 a.m. and 5 p.m. EST Monday through Friday. Inform the operator to dial 614-292-6181.