

Pennsylvania Timber Product Output Survey

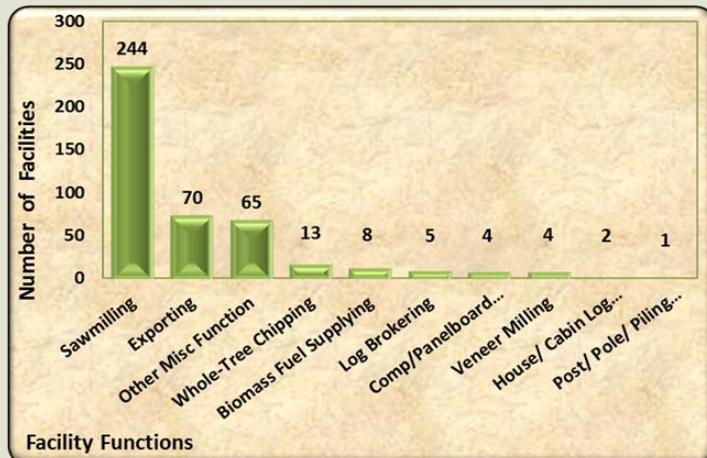
Fact Sheet

Introduction

During 2013, the PA DCNR Bureau of Forestry conducted a Timber Product Output Survey, gathering information for the 2012 production year from primary “breakdown” sawmills and wood processors, whole-tree chippers, pulp & paper mills, panelboard mills, and log buyers exporting wood outside the U.S.

Participation & Facility Information

- Over 430 known primary wood processors were contacted across 62 of Pennsylvania’s 67 counties. 312 facilities participated in the survey for a 73% statewide participation rate.
- Half of the facilities had been in business between 11 and 40 years. Almost a quarter had been in business less than 10 years. Four businesses had been in business over 100 years.
- There were 4,394 workers employed at 211 reporting facilities. Most facilities had less than 10 employees.



Distribution of facilities/mills by their functions, based on 312 surveys. Participants could choose more than one function.

Volumes Processed

Total volume processed in 2012 (253 mills reporting)

<u>Product type</u>	<u>Total volume (standard units)</u>	<u>Total volume (million cubic ft)</u>	<u>% of statewide total volume</u>
<u>Lumber/Dimension</u>			
Lumber	425.2 million bd ft	67.2	36.4%
Veneer	13.1 million bd ft	2.1	1.1%
Cants	151.4 million bd ft	23.9	13.0%
Other Lumber	48.3 million bd ft	7.6	4.1%
Total	637.9 million bd ft	100.8	54.6%
<u>Exports</u>			
Exported Logs	14.9 million bd ft	2.4	1.3%
Total	14.9 million bd ft	2.4	1.3%
<u>Pulp/Chips</u>			
Pulp	2.2 Green tons	73.7	39.9%
Composite Chips	0.1 Green tons	2.5	1.3%
Energy Chips	0.1 Green tons	1.8	1.0%
Other	0.1 Green tons	3.6	1.9%
Total	2.5 Green tons	81.5	44.1%
Grand total		184.7	100.0%

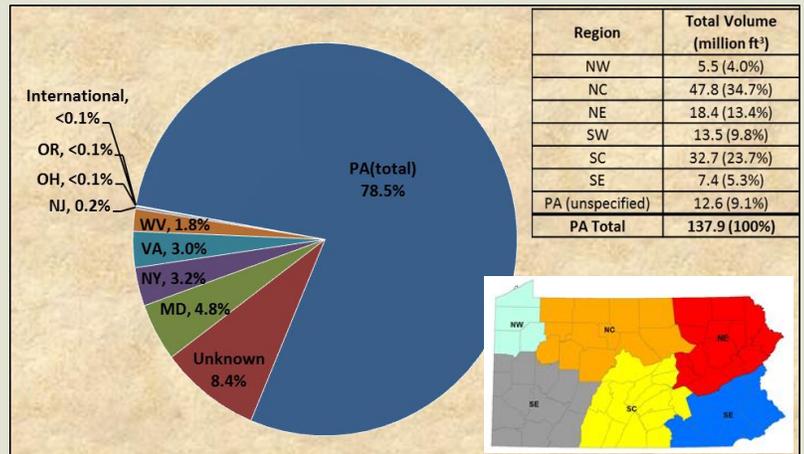
- Total statewide volume processed equals 184.7 million cubic feet which is equivalent to 1.2 billion board feet, based on 253 mills that reported volumes.
- The average annual volume processed per mill was 4.8 million bd ft (median=1.6 million bd ft), ranging from a minimum of 5,000 bd ft to a maximum of 188 million bd ft, based on 243 mills that reported volumes (excludes exported volume).
- Based on knowledge of the industry and other published data, we estimate that non-respondents account for about 25% of the statewide volume. Therefore, these totals represent about 75% of the total volumes statewide.

Species & Origins

- Approximately 58% of the wood volume that was reported as harvested from PA came from forests in north-central and south-central regions. A similar proportion (64%) of the wood processed in Pennsylvania was processed in facilities located in these regions.
- Across the entire state, 33 species groups were reported as harvested in PA and 37 groups were processed at PA mills.

The 15 species groups with the highest reported volumes processed during 2012.

Species	% of total volume
mixed hardwoods	20.1%
red oak	13.3%
misc. softwood	12.5%
other	8.7%
red/soft maple	8.2%
black cherry	6.9%
yellow poplar	6.9%
white oak	6.1%
sugar/hard maple	4.9%
ash	3.6%
hemlock	1.3%
chestnut/rock oak	1.0%
hickory	0.9%
black oak	0.9%
mixed maple	0.7%



Distribution of harvest locations based on reported wood origins (242 mills provided volumes by harvest location). Of the total volume with wood origin reported, 78.5% was harvested from PA forests; the PA volume is shown by region in the inset table.

Residues

- Residues were defined as a by-product of the primary processing of roundwood, but not the target wood product (e.g. chips produced as the primary product are reported in the pulp/chips section, not residues)
- There were 2.0 million green tons (66.3 million cubic feet or the equivalent of 420 million board feet) of residues generated by 192 reporting mills.
- 39% of all residues reported were made into mulch/soil additive and 17% were used as animal bedding.
- Less than 0.1% of residues were unutilized (burned, landfill, etc.).

Residue type	Softwood volume (million cubic ft)	Hardwood volume (million cubic ft)	Total volume	% of total
Bark	3.3	24.2	27.5	41.4%
Coarse	1.9	19.0	20.9	31.5%
Sawdust	1.3	14.2	15.5	23.3%
Shavings	1.1	0.9	2.1	3.1%
Logs/Short Sections	<0.1	0.4	0.4	0.7%
Total	7.6	58.7	66.3	100%

More Information

See the full report: <http://www.dcnr.state.pa.us/forestry/ForestryInformation/index.htm>

Or contact the Bureau of Forestry, Silviculture Section:

Phone: 717-787-4009

Email: PAForester@pa.gov



pennsylvania
DEPARTMENT OF CONSERVATION
AND NATURAL RESOURCES