



2014 PRIMARY MILL SURVEY

SECTION 1 – MILL INFORMATION

Mill Name	
Mill <u>Mailing</u> Address	
City, State, ZIP Code	
Phone Number (include area code)	Fax Number (include area code)
Company Website	Sales E-mail Address
Contact Name and Title	
Contact Phone	Contact E-mail
Mill Physical Location (if different from mill mailing address)	
City, State, ZIP Code	
Number of Employees	<input type="checkbox"/> Check this box to omit the above information from “Regional/Statewide Industry” Directories.
Year Mill Was Established	<input type="checkbox"/> Check this box if you wish to receive a copy of the report resulting from this study.
Mill Type (check): <input type="checkbox"/> Sawmill <input type="checkbox"/> Post Mill <input type="checkbox"/> House/Cabin Log Mill <input type="checkbox"/> Veneer Mill <input type="checkbox"/> Pole Mill <input type="checkbox"/> Piling Mill <input type="checkbox"/> Industrial Fuel Wood/Biomass/Energy Plant <input type="checkbox"/> Miscellaneous/Other Mill (specify): _____	
Is this a portable mill: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Mill Status (check): <input type="checkbox"/> Active <input type="checkbox"/> Idle <input type="checkbox"/> Closed/Out of Business <input type="checkbox"/> New <input type="checkbox"/> Dismantled	
During the calendar year 2014, was raw material received and processed at this mill? <input type="checkbox"/> Yes <input type="checkbox"/> No	

SECTION 2 – EQUIPMENT USED (CHECK ALL IN USE)

<u>HEADSAW</u>	<u>OTHER</u>
<input type="checkbox"/> Band Saw – Twin	<input type="checkbox"/> Slab Chipper
<input type="checkbox"/> Band Saw – Single	<input type="checkbox"/> Chipper
<input type="checkbox"/> Band Saw – Quad	<input type="checkbox"/> Planer
<input type="checkbox"/> Band Saw – Other: _____	<input type="checkbox"/> Edger
<input type="checkbox"/> Circular Saw – Carriage	<input type="checkbox"/> Debarker
<input type="checkbox"/> Circular Saw – Scragg	<input type="checkbox"/> Sliced Veneer Equipment
<input type="checkbox"/> Circular Saw – Over-Under	<input type="checkbox"/> Peeled Veneer Equipment
<input type="checkbox"/> Circular Saw – Other: _____	<input type="checkbox"/> Dry Kiln
<input type="checkbox"/> Circular Saw – Chip-N-Saw	<input type="checkbox"/> Treating Equipment
<input type="checkbox"/> Chipping Saw – Side Chipping	<input type="checkbox"/> Chip Canter
	<input type="checkbox"/> Container
	<input type="checkbox"/> Post/Pole Peeler
	<input type="checkbox"/> Shaving Machine
	<input type="checkbox"/> Hammer Mill
	<input type="checkbox"/> Firewood Processor
	<input type="checkbox"/> Wood-Fire Boiler
	<input type="checkbox"/> Optimizer Equipment
	<input type="checkbox"/> Machine Stress-Rating
	<input type="checkbox"/> Other (specify): _____
<u>RESAW</u>	
<input type="checkbox"/> Band Saw	
<input type="checkbox"/> Band Saw – Horizontal	
<input type="checkbox"/> Band Saw – Vertical	
<input type="checkbox"/> Band Saw – Gang	
<input type="checkbox"/> Circular Saw	
<input type="checkbox"/> Circular Saw – Horizontal	
<input type="checkbox"/> Circular Saw – Vertical	
<input type="checkbox"/> Circular Saw – Gang	
<input type="checkbox"/> Splitter	

SECTION 3 – TYPE & AMOUNT OF RAW MATERIAL PROCESSED

Please fill out Sections 3 & 5 for each type of raw material processed. For RAW MATERIAL EXPORTED, only Section 3 needs to be completed. Copy and attach additional sheets if necessary.

SECTION 3.1 – TYPE OF RAW MATERIAL RECEIVED & PROCESSED IN 2014 CALENDAR

The material checked below was (check one): Processed at this mill Exported as logs, chips, or round wood

Type of raw material (check one):

- | | | |
|--|--|---|
| <input type="checkbox"/> Saw Logs | <input type="checkbox"/> Bioenergy/Fuel Wood/Pellets | <input type="checkbox"/> Poles |
| <input type="checkbox"/> Veneer/Plywood Logs | <input type="checkbox"/> Posts | <input type="checkbox"/> Pilings |
| <input type="checkbox"/> Pulpwood/Chipped Round Wood | <input type="checkbox"/> House/Cabin Logs | <input type="checkbox"/> Miscellaneous: _____ |

SECTION 3.2 – TOTAL AMOUNT OF RAW MATERIAL PROCESSED

CONFIDENTIAL – THE DNR WILL KEEP INFORMATION CONFIDENTIAL THAT IS PROVIDED IN SECTIONS 3.2, 3.3, 4.3, 5.2, 5.3, 6.1, & 6.2¹.

Total amount of raw material processed for the material type checked in Section 3.1. Include wood imported from other countries. DO NOT INCLUDE amount or volumes of whole logs or short sections that were chipped for use as hog fuel or NOT processed for your primary product. Include that volume in Section 4.2.

Total Amount: _____	<u>Units of Measure</u>	
Unit of measure _____	1. MBF Doyle	10. BF Lumber Talley
#: _____	2. BF Doyle	11. Standard Cord
Softwood: _____	3. MBF Scribner Decimal C	12. Lake States Cord (100 inches)
Hardwood _____	4. BF Scribner Decimal C	13. Pieces
If measured in weight, enter:	5. MBF Scribner	14. Thousand Pieces
Softwood lbs: _____ /cord or _____ MBF	6. BF Scribner	15. Green Tons
Hardwood lbs: _____ /cord or _____ MBF	7. MBF International ¼ inch	16. Dry Tons
	8. BF International ¼ inch	17. Thousand Cubic Feet
	9. MBF Lumber Talley	18. Other: _____

SECTION 3.3 – ENTER THE AMOUNT/PERCENT OF THE SPECIES GROUP AND THE ORIGIN OF RAW MATERIALS RECEIVED & PROCESSED

CONFIDENTIAL – THE DNR WILL KEEP INFORMATION CONFIDENTIAL THAT IS PROVIDED IN SECTIONS 3.2, 3.3, 4.3, 5.2, 5.3, 6.1, & 6.2¹.

Species Group Name	Total Volume or % by Species	Enter Species Volume or % by State & County, if known. (cont.) State & County Name or Number from Map (e.g., MI - Alger/#190)			
Red Pine					
Jack Pine					
White Pine					
Balsam Fir					
Spruce					
Northern White Cedar					
Other Pine					
Tamarack					
Hemlock					
Aspen/Balsam Poplar					
Hard Maple					
Soft Maple					

Species Group Name (cont.)	Total Volume or % by Species (cont.)	Enter Species Volume or % by State & County, if known. (cont.) State & County Name or Number from Map (e.g., MI - Alger/#190)			
Soft Maple					
Red Oaks					
White Oaks					
Black Cherry					
Ash					
Beech					
Basswood					
Elm					
Hickory					
Black Walnut					
Cottonwood					
Tulip Poplar					
Other:					
Other:					
TOTAL VOLUME:					

IF VOLUMES BY COUNTY ARE NOT KNOWN:

1) PLEASE MARK OR 'X' THE COUNTIES ON THE ATTACHED MAP THAT YOUR WOOD CAME FROM IN 2014.

2) WHAT PERCENT OF YOUR RAW MATERIAL WAS HARVESTED WITHIN A RADIUS OF:

25 Miles:

50 Miles:

75 Miles:

100 Miles:

SECTION 4 – FINISHED PRODUCTS PRODUCED IN 2014 & EXPORTS

SECTION 4.1 – TYPE OF PRODUCTS PRODUCED IN 2014 (CHECK ALL THAT APPLY):

SAW LOGS

<input type="checkbox"/> Rough Lumber	<input type="checkbox"/> Treated Lumber	<input type="checkbox"/> Crane Mats	<input type="checkbox"/> Lath/Stakes
<input type="checkbox"/> Dimension or Stud Lumber	<input type="checkbox"/> Pallets	<input type="checkbox"/> Cants	<input type="checkbox"/> Handles/Blanks
<input type="checkbox"/> Board and Shop Lumber	<input type="checkbox"/> Timbers/Supports	<input type="checkbox"/> Blocking/Dunnage	<input type="checkbox"/> Dowels/Blanks
<input type="checkbox"/> Molding or Select Lumber	<input type="checkbox"/> Railroad Ties	<input type="checkbox"/> Furniture Stock	<input type="checkbox"/> Barrels/Staves/Cooperage
<input type="checkbox"/> Siding and Trim	<input type="checkbox"/> Landscape Timbers	<input type="checkbox"/> Flooring	<input type="checkbox"/> Containers/Boxes
<input type="checkbox"/> Lumber (unspecified)	<input type="checkbox"/> Other Sawn Products-specify: _____		

VENEER LOGS

<input type="checkbox"/> Sheathing	<input type="checkbox"/> Matches	<input type="checkbox"/> Plywood	<input type="checkbox"/> Sticks
<input type="checkbox"/> Boxes	<input type="checkbox"/> Veneer/Face Veneer		<input type="checkbox"/> Other Veneer (specify): _____

POST, POLES, AND PILINGS

<input type="checkbox"/> Pilings	<input type="checkbox"/> Poles-Utility	<input type="checkbox"/> Poles – Other	<input type="checkbox"/> Posts-Fencing
<input type="checkbox"/> Posts – Other	<input type="checkbox"/> Round Railings	<input type="checkbox"/> Log Furniture	
<input type="checkbox"/> Other Post, Pole, Piling Product (specify): _____			

HOUSE LOGS

<input type="checkbox"/> Cabin/House Logs	<input type="checkbox"/> Sawn House Logs	<input type="checkbox"/> Turned House Logs	<input type="checkbox"/> Hand-Peeled House Logs
<input type="checkbox"/> Finished Log Homes – Sawn	<input type="checkbox"/> Finished Log Homes – Turned	<input type="checkbox"/> Finished Log Homes – Hand Peeled	<input type="checkbox"/> Trusses & Other House Log Products

OTHER MISCELLANEOUS PRODUCTS

<input type="checkbox"/> Mulch, Soil Additives, Compost	<input type="checkbox"/> Chemical Extractives	<input type="checkbox"/> Split Rail Fencing	<input type="checkbox"/> Shingles/Shakes
<input type="checkbox"/> Shavings/Excelsior	<input type="checkbox"/> Novelty	<input type="checkbox"/> Foreign Export Logs	<input type="checkbox"/> Charcoal/Briquettes
<input type="checkbox"/> Other (specify): _____			

BIOENERGY/FUELWOOD

<input type="checkbox"/> Industrial Fuelwood (electricity, steam, & heat)	<input type="checkbox"/> Industrial Fuelwood – Electricity only	<input type="checkbox"/> Industrial Fuelwood – Heat/Steam only	<input type="checkbox"/> Pressed/Reconstituted Logs (Presto)
<input type="checkbox"/> Pellets – Residential Grade	<input type="checkbox"/> Pellets – Torrefied	<input type="checkbox"/> Pellets/Briquettes – Industrial	<input type="checkbox"/> Pellets – Other (specify): _____
<input type="checkbox"/> Liquid Fuels – Ethanol	<input type="checkbox"/> Liquid Fuels – Other	<input type="checkbox"/> Other Energy Products-specify _____	

MARKETING ASSISTANCE & CONNECTIONS
 Would you like to learn more about the Pure Michigan Business Connect Service? Yes No

SECTION 4.2 – FINISHED PRODUCT EXPORTS IN 2014

In 2014, did your mill export finished products (out of the country)? Yes No

Would you like to learn about exporting assistance available through the State of Michigan? Yes No

SECTION 4.3 – PERCENT OF FINISHED PRODUCT EXPORTS IN 2014

CONFIDENTIAL – THE DNR WILL KEEP INFORMATION CONFIDENTIAL THAT IS PROVIDED IN SECTIONS 3.2, 3.3, 4.3, 5.2, 5.3, 6.1, & 6.2¹.

What PERCENT of finished product(s) did you export? _____ %

SECTION 5 – MILL RESIDUES PRODUCED & USED

NOTE: Complete a separate Section 5 for each type of raw material checked in Section 3.1, except for logs exported out of the country.

SECTION 5.1 – TYPE OF RAW MATERIAL PROCESSED (FROM SECTION 3.1) Raw Material Type: _____

SECTION 5.2 – AMOUNT OF MILL RESIDUE PRODUCED BY THIS MILL IN 2014

CONFIDENTIAL – THE DNR WILL KEEP INFORMATION CONFIDENTIAL THAT IS PROVIDED IN SECTIONS 3.2, 3.3, 4.3, 5.2, 5.3, 6.1, & 6.2¹.

Type of Residue	Softwood	Hardwood	Unit of Measure (example: green tons, dry tons, thousand cubic feet, etc.)
Bark			
Course (chips, slabs, edgings, trims, cores, etc.)			
Fine – Shavings (planer or lathe)			
Fine - Sawdust			
Whole Logs or Short Sections Chipped or Not Processed as Mills Primary Product			

SECTION 5.3 – DISPOSAL OF MILL RESIDUES

CONFIDENTIAL – THE DNR WILL KEEP INFORMATION CONFIDENTIAL THAT IS PROVIDED IN SECTIONS 3.2, 3.3, 4.3, 5.2, 5.3, 6.1, & 6.2¹.

Use of Mill Residue:	Bark		Coarse (Chips, Slabs, Edgings, Trims, Cores, etc.)		Fine		Whole Logs/Short Sections	
					Shavings (Planer or Lathe)	Sawdust		
	Softwood %	Hardwood %	Softwood %	Hardwood %	Softwood %	Hardwood %	Softwood %	Hardwood %
Manufacture of fiber/composite products								
Small dimension and other sawn products								
Charcoal or chemical wood								
Industrial fuel at this plant (on-site)								
Industrial fuel at other plants								
Bio-energy pellets								
Other bio-energy products (biodiesel, etc.)								
Residential fuelwood								
Mulch/soil additive (includes biochar)								
Animal bedding								
Other misc. uses (specify):								
NOT USED (land fill, burned, etc.)								
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%

SECTION 6 – MILL/MANUFACTURER RESIDUES & BOILER/HOG FUEL RECEIVED

SECTION 6.1 – AMOUNT OF RESIDUES RECEIVED FROM OTHER MILLS OR MANUFACTURERS

CONFIDENTIAL – THE DNR WILL KEEP INFORMATION CONFIDENTIAL THAT IS PROVIDED IN SECTIONS 3.2, 3.3, 4.3, 5.2, 5.3, 6.1, & 6.2¹.

Record the AMOUNT of residues received from OTHER mills or manufacturers that were used to make your primary product(s). **DO NOT include volumes used for boiler/hog fuel.** e.g., amount of wood chips, savings, sawdust, slabs/cutoffs or edgings purchased from other mills or manufactures. This section may be relevant only for companies that purchase residues.

Check Only One Unit of Measure	Origin of Residues	Wood Chips		Sawdust		Other Residues *	
	State or Foreign Country	Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood
<input type="checkbox"/> Thousand cubic Feet							
<input type="checkbox"/> Dry tons							
<input type="checkbox"/> Green Tons							
<input type="checkbox"/> Other (specify):							

*Specify type of Other Residues: _____

SECTION 6.2 – AMOUNT OF WHOLE-TREE CHIPS, TIMBER HARVEST RESIDUES, AND/OR TOPS AND LIMBWOOD

CONFIDENTIAL – THE DNR WILL KEEP INFORMATION CONFIDENTIAL THAT IS PROVIDED IN SECTIONS 3.2, 3.3, 4.3, 5.2, 5.3, 6.1, & 6.2¹.

Record the AMOUNT of whole-tree chips, timber harvest residues, and/or tops and limbwood received for boiler/hog fuel. **DO NOT include yard waste, demolition or recycled wood, or mill/mmanufacturer residues. DO NOT include residues produced at this mill that were captured in Section 5.2.**

Check Only One Unit of Measure <input type="checkbox"/> Thousand cubic Feet <input type="checkbox"/> Dry tons <input type="checkbox"/> Green Tons <input type="checkbox"/> Other (specify):	Origin of Boiler/Hog Fuel	Boiler/Hog Fuel	
	State or Foreign Country	Softwood	Hardwood

THANK YOU FOR COMPLETING THIS SURVEY!

Please mail the completed form to:
 Michigan Department of Natural Resources
 Forest Resources Division
 PO Box 30452
 Lansing, MI 48909-7952

OR

E-mail to:
 David Neumann
neumannd@michigan.gov
 Phone: (517) 284-5887

OR

Fax to:
 Attention: David Neumann
 Fax: (517) 373-2443

CONFIDENTIALITY:

¹The information provided Sections 3.2, 3.3, 4.3, 5.2, 5.3, 6.1 & 6.2 will be exempted from disclosure under FOIA per MCL 15.243(1)(f): “A public body may exempt from disclosure as a public record under this act any of the following: ... (f) Trade secrets or commercial or financial information voluntarily provided to an agency for use in developing governmental policy if: i)The information is submitted upon a promise of confidentiality by the public body. (ii) The promise of confidentiality is authorized by the chief administrative officer of the public body or by an elected official at the time the promise is made. (iii) A description of the information is recorded by the public body within a reasonable time after it has been submitted, maintained in a central place within the public body, and made available to a person upon request. This subdivision does not apply to information submitted as required by law or as a condition of receiving a governmental contract, license, or other benefit.”

INSTRUCTIONS

These instructions are provided to help you complete the "PRIMARY MILL SURVEY." The survey is designed to determine the:

- Location, size, and composition of primary wood using mills.
- Volume of roundwood harvested by product, species, and geographic location.
- Volume and disposition of wood residues generated during primary processing.

This survey is divided into 6 sections gathering information on mill information, equipment used, raw material received and processed, finished products produced & exported, residues produced at the mill, and other residues and boiler/hog fuel purchased/received from other sources. **The survey form is also available as a fillable PDF form on the internet at www.michigan.gov/forestproducts .**

All reported volumes are confidential and will be used only for aggregated reporting. The Department of Natural Resources (DNR) will exempt volume & production information in Sections 3.2, 3.3, 4.3, 5.2, 5.3 6.1 & 6.2 from disclosure under FOIA as 'trade secrets' per MCL 15.243(1)(f): "A public body may exempt from disclosure as a public record under this act any of the following: ... (f) Trade secrets or commercial or financial information voluntarily provided to an agency for use in developing governmental policy if: i) The information is submitted upon a promise of confidentiality by the public body. (ii) The promise of confidentiality is authorized by the chief administrative officer of the public body or by an elected official at the time the promise is made. (iii) A description of the information is recorded by the public body within a reasonable time after it has been submitted, maintained in a central place within the public body, and made available to a person upon request. This subdivision does not apply to information submitted as required by law or as a condition of receiving a governmental contract, license, or other benefit." **No individual mill production or raw material volume data will be released.**

With your permission, other survey information may be used to update the Michigan Forest Products Industry Directory and regional industry directories. The Michigan Directory is located at www.michigan.gov/wood . Your participation will help improve the accuracy of this report for Michigan.

Raw Material is defined as any log, bolt, or other round section or chips produced in the woods from trees felled for industrial or consumer use. This includes sawlogs, veneer logs, pulpwood, pilings, poles, posts, ties, mine timbers, and other round, split or hewn products.

Please complete the form using the information for your mill for **CALENDAR YEAR 2014**.

Most of the questions in the attached survey form are self-explanatory; however a few specific instructions are listed below for some items

Section 1 – MILL INFORMATION

- Record the contact information for the person completing the survey that we can contact for questions about the completed form.
- Check the "Mill Type" for the type of RAW MATERIAL that is processed at the mill. If more than 1 Raw Material type is processed at this location, please fill out a separate form for each "Mill Type". If none of the "Mill Types" apply, check "Miscellaneous/other mill:" and specify the mill type.

Section 2 - EQUIPMENT USED: Check all the types of equipment in use at the mill.

Section 3 - TYPE AND AMOUNT OF RAW MATERIAL PROCESSED

- Please fill out Sections 3 and 5 for each type of raw material processed. Copy and attach extra pages as needed.
- For raw material EXPORTED to other countries, please fill out Section 3 only.

Section 3.1. TYPE OF RAW MATERIAL RECEIVED & PROCESSED: Check only one type per page, and check whether it was processed at the mill, or exported.

Section 3.2. TOTAL AMOUNT OF RAW MATERIAL PROCESSED: Indicate the amount of raw material processed that matches the type checked in 3.1. Attach additional sheets for other types of raw material processed. Indicate "Unit of Measure" from the list to the right, or specify 'other". If measured in weight, specify the conversion factor you use in

lbs./cord or lbs./MBF. ***This information will be kept confidential.***

Section 3.3. Enter the total volume by species processed matching the raw material type indicated in Sections 3.1 and 3.2. Fill out additional copies of 3.3. for each type of raw material processed. Volumes may be indicated if known, or as % of the total amount indicated in 3.2. Also indicate volumes or % for each species by state & county if known-- if volumes or % by county are not known, mark which counties you obtained wood from in 2014 on the attached map. If known, estimate the % of raw material obtained within a radius of 25, 50, 75, and 100 miles. ***This information will be kept confidential.***

Michigan County Map

- If volumes by county for raw material are not known, mark or 'X' the counties that you obtained wood from in calendar year 2014.

Section 4 – FINISHED PRODUCTS PRODUCED IN 2014 & EXPORTS

This section only needs to be completed once per mill.

Section 4.1 - Check the types of products produced from logs or chipped logs. If you would like additional information about the Pure Michigan Business Connect (PMBC) service, please check 'Yes'. PMBC is a multi-billion dollar public/private initiative developed by the Michigan Economic Development Corporation connecting buyers to suppliers of Michigan goods and services. See also <http://www.michiganbusiness.org/grow/pure-michigan-business-connect>

Section 4.2 - Please indicate if you exported finished products out of the country in 2014, and if you would like additional information on exporting assistance available from MDARD.

Section 4.3—Percent of Finished Products Exports in 2014. ***This information will be kept confidential.***

Section 5 - MILL RESIDUE PRODUCED & USED

- Please fill out a copy of this section for each type of raw material processed. Do not complete for volumes of logs exported out of the country.

Section 5.1 – Enter the raw material type from section 3.1 for the residues reported below.

Section 5.2 - Enter the amount of mill residues that were generated by processing the raw material type from Section 3.1 for each type of mill residue and for Softwoods and Hardwoods. Indicate the "Unit of Measure." ***This information will be kept confidential.***

Section 5.3 – Disposal of Mill Residues. ***This information will be kept confidential.***

Section 6 – MILL/MANUFACTURER RESIDUES AND BOILER/HOG FUEL RECEIVED

- Note: Complete this section if your mill uses residues from other mills or manufacturers to produce the products indicated in Section 4.2, or you receive/buy wood material for boiler/hog fuel.

SECTION 6.1 Enter the amount of mill or manufacturer residues received from OTHER sources for production of this mill's products. Enter amounts received by state/country of origin, type, and Softwood and Hardwood. Check the "Unit of Measure". DO NOT include material used for boiler or hog fuel. ***This information will be kept confidential.***

SECTION 6.2 Enter the amounts of whole-tree chips, in-woods chips, or tops and limb wood received for boiler/hog fuel by state/country of origin, and Softwood and Hardwood. Check the "Unit of Measure". ***This information will be kept confidential.***