



2023 PRIMARY MILL SURVEY

SECTION 1 MILL INFORMATION

Mill Name	Year Established
Mill <u>Mailing</u> Address	Mill <u>Physical</u> Address
Mill Mailing City, State, ZIP Code	Mill Physical City, State, Zip Code
Phone Number (include area code)	Fax Number (include area code)
Company Website	Company E-mail Address
Survey Contact Name	Survey Contact Title
Survey Contact Phone	Survey Contact E-mail
County Mill is Located	Is this a portable mill?
Number of Full-Time Employees	Number of Part-Time Employees
<input type="checkbox"/> Check this box to omit the above information from the Michigan Forest Products Industry Directory.	<input type="checkbox"/> Check this box if you wish to be notified about the report resulting from this study.
Mill Type (check all that apply): <input type="checkbox"/> Sawmill <input type="checkbox"/> Veneer Mill <input type="checkbox"/> Bark/Mulch Mill <input type="checkbox"/> Industrial Fuel Wood/Biomass/Energy Plant <input type="checkbox"/> Composite Board Mill <input type="checkbox"/> Post Mill <input type="checkbox"/> Pole Mill <input type="checkbox"/> Piling Mill <input type="checkbox"/> Miscellaneous/Other Mill (specify): _____ <input type="checkbox"/> Paper/Corrugated Mill <input type="checkbox"/> Commercial Firewood Processor <input type="checkbox"/> Pellet Mill <input type="checkbox"/> Cabin/House Mill	
Mill Status (check): <input type="checkbox"/> Active <input type="checkbox"/> Idle <input type="checkbox"/> Closed/Out of Business <input type="checkbox"/> Dismantled	
During the calendar year 2023, 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)

WHAT TYPE OF HEAD SAW IS USED AT THE MILL? <i>CHECK ONLY THE PRIMARY HEAD RIG</i> <input type="checkbox"/> Band Saw <input type="checkbox"/> Circular Saw <input type="checkbox"/> Gang Saw <input type="checkbox"/> Chip-N-Saw <input type="checkbox"/> Scragg <input type="checkbox"/> Portable Sawmill <input type="checkbox"/> Other (specify): _____	DOES THE MILL HAVE A RESAW? <input type="checkbox"/> Yes <input type="checkbox"/> No IF YES, WHAT TYPE OF RESAW? <input type="checkbox"/> Band Saw <input type="checkbox"/> Circular Saw <input type="checkbox"/> Other (specify): _____	WHAT OTHER EQUIPMENT DOES THE MILL HAVE? <i>CHECK ALL THAT APPLY</i> <input type="checkbox"/> Chipper <input type="checkbox"/> Planer <input type="checkbox"/> Edger <input type="checkbox"/> Debarker <input type="checkbox"/> Sliced Veneer Equipment <input type="checkbox"/> Peeled Veneer Equipment <input type="checkbox"/> Dry Kiln <input type="checkbox"/> Treating Equipment <input type="checkbox"/> Other (specify): _____ <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-Fired Boiler <input type="checkbox"/> Optimizer Equipment <input type="checkbox"/> Machine Stress-Rating
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SECTION 3 TYPE & AMOUNT OF RAW MATERIAL PROCESSED

Please fill out Sections 3 and 5 for each type of raw material processed. For RAW MATERIAL EXPORTED, fill out Section 3.4. Copy and attach additional sheets if necessary.

SECTION 3.1 – TYPE OF RAW MATERIAL RECEIVED & PROCESSED IN THE 2023 CALENDAR YEAR

What type of raw material was processed at this mill? Indicate the type of raw material below (check one).

<input type="checkbox"/> Pulpwood	<input type="checkbox"/> Poles	<input type="checkbox"/> Clean Chips
<input type="checkbox"/> Saw Logs	<input type="checkbox"/> Piling	<input type="checkbox"/> Bioenergy/Fuel Wood/Pellets
<input type="checkbox"/> Bolts	<input type="checkbox"/> Posts	<input type="checkbox"/> Bark/Mulch Logs
<input type="checkbox"/> Veneer/Plywood Logs	<input type="checkbox"/> House/Cabin Logs	<input type="checkbox"/> Miscellaneous: _____

Did you process any roundwood from urban areas? Yes No If yes, what percentage of your 2023 volume was urban?: _____%

What percentage of your total roundwood volume in 2023 was from salvaged dead trees from forested areas? _____%

What percentage of your total roundwood volume in 2023 was from Department of Natural Resources (DNR) lands?: _____%

SECTION 3.2 – TOTAL AMOUNT OF RAW MATERIAL PROCESSED

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Total amount of raw material processed for the material type checked in Section 3.1. Include wood imported from other countries. DO NOT INCLUDE the amount or volumes of whole logs or short sections that were chipped for use as hog fuel. Include that volume in Section 6. Also, enter the Average Annual Capacity for your mill – the average yearly volume you would be able to process under ideal conditions.

Total 2023 Amount: _____ Enter Unit of Measure (from below): _____	Average Annual Capacity: _____ Enter Unit of Measure (from below): _____
If Unit of Measure is Tons , please enter a weight conversion factor: Softwood (tons per cord): _____ Hardwood (tons per cord): _____	Sawlog, bolt, and pulpwood specifications: Average log length (in feet): _____ Average log small end diameter (in inches): _____

Units of Measure

- | | | | |
|---------------------------|-----------------------------|-----------------------------------|-------------------------|
| 1. MBF Doyle | 5. MBF International ¼ inch | 9. Standard Cord | 13. Green Tons |
| 2. BF Doyle | 6. BF International ¼ inch | 10. Lake States Cord (100 inches) | 14. Dry Tons |
| 3. MBF Scribner Decimal C | 7. MBF Lumber Talley | 11. Pieces | 15. Thousand Cubic Feet |
| 4. BF Scribner Decimal C | 8. BF Lumber Talley | 12. Thousand Pieces | 16. Other: _____ |

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

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Species Group	Total Volume or % by Species	Please enter species volume or % by state and county, if known. (e.g., MI - Alger) Use additional sheets if necessary. You may also send a report to SchmiegeC@michigan.gov .		
		State/County name:	State/County name:	State/County name:
Red Pine				
Jack Pine				
White Pine				
Balsam Fir				
Spruce				
Northern White Cedar				
Other Pine				
Tamarack				
Hemlock				
Aspen/Balsam Poplar				
Hard Maple				
Soft Maple				
Red Oaks				
White Oaks				
Black Cherry				
Ash				
Beech				
Elm				
Hickory				
Black Walnut				
Cottonwood				
Yellow Poplar				
Other:				
Other:				
TOTAL VOLUME:				

IF VOLUMES OR PERCENT BY COUNTY ARE NOT KNOWN: What is your average procurement radius in miles?: _____

SECTION 3.4 – EXPORTED AMOUNTS IN 2023

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Did the mill export any unprocessed logs out of the country in 2023? Yes No

If yes, please enter species with associated amount exported and indicate unit of measurement below.

Species #1: _____	Amount #1: _____
Species #2: _____	Amount #2: _____
Species #3: _____	Amount #3: _____
Species #4: _____	Amount #4: _____
Species #5: _____	Amount #5: _____
Species #6: _____	Amount #6: _____

Unit of measure:

SECTION 4 FINISHED PRODUCTS PRODUCED IN 2023.

SECTION 4.1 – TYPE OF FINISHED PRODUCTS PRODUCED IN 2023 AS A PERCENT OF 2023 ROUNDWOOD VOLUME PROCESSED:

<p>SAW LOG GROUP</p> <p>____ % Grade Lumber</p> <p>____ % Rough Lumber</p> <p>____ % Dimension or Stud Lumber</p> <p>____ % Molding or Select Lumber</p> <p>____ % Siding and Trim</p> <p>____ % Treated Lumber</p> <p>____ % Pallet stock</p> <p>____ % Timbers or Landscape Timbers</p> <p>____ % Railroad Ties</p> <p>____ % Crane Mats</p> <p>____ % Cants</p> <p>____ % Blocking or Dunnage</p> <p>____ % Furniture Stock</p> <p>____ % Flooring</p> <p>____ % Lath or Stakes</p> <p>____ % Handles/Blanks</p> <p>____ % Dowels/Turning Blanks</p> <p>____ % Containers/Boxes</p> <p>____ % Tight Stave/Cooperage</p> <p>____ % Other Sawn Product (specify): _____</p>	<p>VENEER LOG GROUP</p> <p>____ % Sheathing</p> <p>____ % Matches</p> <p>____ % Veneer/Face Veneer</p> <p>____ % Plywood</p> <p>____ % Sticks</p> <p>____ % Other Veneer (specify): _____</p> <p>POST, POLE, AND PILING GROUP</p> <p>____ % Posts-Fencing</p> <p>____ % Posts – Other</p> <p>____ % Poles-Utility</p> <p>____ % Poles – Other</p> <p>____ % Pilings</p> <p>____ % Round Railings</p> <p>____ % Log Furniture</p> <p>____ % Other (specify): _____</p> <p>HOUSE LOG GROUP</p> <p>____ % Cabin/House Logs</p> <p>____ % Hand-Peeled Cabin Logs</p> <p>____ % Turned House Logs</p> <p>____ % Sawn House Logs</p> <p>____ % Trusses & Other House Log Products</p>	<p>OTHER PRODUCTS</p> <p>____ % Mulch, Compost, Soil Additives</p> <p>____ % Residential Fuelwood</p> <p>____ % Shavings/Excelsior</p> <p>____ % Split Rail Fencing</p> <p>____ % Shingles/Shakes</p> <p>____ % Foreign Export Logs</p> <p>____ % Chemical Extractives</p> <p>____ % Novelty</p> <p>____ % Charcoal</p> <p>____ % Paper & Paperboard Products</p> <p>____ % Composite Board Products (HDF, OSB)</p> <p>____ % Other (specify): _____</p> <p>BIOENERGY/FUELWOOD GROUP</p> <p>____ % Cogeneration (electricity, steam, & heat)</p> <p>____ % Electricity only</p> <p>____ % Heat/Steam only</p> <p>____ % Pellets – Residential</p> <p>____ % Pellets – Barbeque</p> <p>____ % Pellets/Briquettes – Industrial</p> <p>____ % Pellets – Other - (specify): _____</p> <p>____ % Other Energy Products (specify): _____</p>
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SECTION 4.2 – VOLUME OF FINISHED PRODUCT PRODUCED IN 2023: PLEASE ENTER THE VOLUME OF FINISHED GOODS PRODUCED BY ROUNDWOOD TYPE, AND FOR SAWN PRODUCTS, ENTER THE PERCENTAGE PLANED OR DRESSED. PLEASE USE FINISHED GOOD UNITS OF MEASURE (e.g. lumber tally).

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Finished Product Produced	Softwood			Hardwood		
	Amount	Unit of Measure	Percent Dressed/planed	Amount	Unit of Measure	Percent Dressed/planed
Sawlog products						
Veneer log products						
House Log products						
Post, Pole products						
Other – specify: _____						

SECTION 4.3 – FINISHED PRODUCT EXPORTS IN 2023

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In 2023, did your mill export **finished** products (out of the country)? Yes No

If yes, what percent of **finished** product did you export _____ %

SECTION 5 MILL RESIDUE GENERATION & DISPOSITION

NOTE: Complete a separate Section 5 for each type of raw material checked in Section 3.1.

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

SECTION 5.2 – VOLUME OR AMOUNT OF MILL RESIDUE PRODUCED BY THIS MILL IN 2023

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Type of Residue	Softwood	Hardwood	Unit of Measure (e.g.: green tons, dry tons, cords, yards, or number of semi-loads)
Bark			
Coarse (chips, slabs, edgings, trims, cores, etc.)			
Fine – Shavings (planer or lathe)			
Fine - Sawdust			
Whole Logs or Short Sections - chipped or not processed as the mill's primary product			

SECTION 5.3 – DISPOSAL OF MILL RESIDUES

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Disposal of Mill Residues:	Bark - Softwood %	Bark - Hardwood %	Coarse - Softwood %	Coarse - Hardwood %	Fine – Shavings Softwood %	Fine – Shavings Hardwood %	Fine – Sawdust Softwood %	Fine – Sawdust Hardwood %	Whole Logs / Short Sections Softwood %	Whole Logs / Short Sections Hardwood %
Manufacture of fiber/composite products										
Small dimension and other sawn products										
Charcoal or chemical wood										
Industrial fuel - 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 (landfill, etc.)										
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

SECTION 6 BOILER/HOG FUEL RECEIVED

AMOUNT OF BOILER/HOG FUEL RECEIVED FROM WHOLE-TREE CHIPS, TIMBER HARVEST RESIDUES, AND/OR TOPS AND LIMBS

CONFIDENTIAL THE DNR WILL KEEP INFORMATION IN THIS SECTION CONFIDENTIAL¹.

Record the AMOUNT of whole-tree chips, timber harvest residues, and/or tops and limbs received for boiler/hog fuel in 2023.
DO NOT include yard waste, demolition or recycled wood, or mill/manufacturer residues.
DO NOT include residues produced at this mill that were captured in Section 5.2.

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

SECTION 7 CAPITAL INVESTMENTS IN 2022 & 2023

AMOUNT OF CAPITAL INVESTED IN EQUIPMENT, SOFTWARE, AND FACILITIES IN 2022 & 2023.

CONFIDENTIAL THE DNR WILL KEEP INFORMATION IN THIS SECTION CONFIDENTIAL¹.

Please indicate approximately how much capital your company invested at your facility in 2022: \$ _____
 Please indicate approximately how much capital your company invested at your facility in 2023: \$ _____

SECTION 8 PANDEMIC IMPACT

IN GENERAL, HOW DID THE COVID-19 PANDEMIC IMPACT YOUR BUSINESS?

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- Business as usual
- Reduced Operations (indicate the % of decreased activity) _____
- Workforce loss (indicate the loss in %) _____
- Increased cost on operations (indicate the increase in %) _____
- Increased operations (indicate the % of increased activity) _____
- Other: _____

THANK YOU FOR COMPLETING THIS SURVEY!

Please mail the completed form to: **MDNR Forest Resources Division, PO Box 30452, Lansing, MI 48909-9845**
 or email to: SchmiegeC@michigan.gov.

CONFIDENTIALITY:

¹The information provided Sections 3.2, 3.3, 3.4, 4.1, 4.2, 4.3, 5.2, 5.3, 6, 7, and 8 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."

Michigan Counties



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 8 sections gathering information on mill information, equipment used, raw material received and processed, finished products produced & exported, residues produced at the mill, boiler/hog fuel purchased/received from other sources, and capital invested in 2022 and 2023 at this facility. **The survey form is also available as a fillable PDF form on the internet at www.michigan.gov/forestproducts.**

All reported volumes and capital invested are confidential and will be used only for aggregated reporting. The Department of Natural Resources (DNR) will exempt volume production and capital investment information in Sections 3.2, 3.3, 3.4, 4.1, 4.2, 4.3, 5.2, 5.3, 6, 7, and 8 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, raw material volume, or capital investment 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 2023**.

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

Section 1 – MILL INFORMATION

- Record the contact information for the person completing the survey.
- Mill contact information and type of products produced will be used to update the Michigan Forest Products Industry Directory, unless you indicate on the form that you do not want to be included, if this is the case check the box under mill information. The directory is located at www.michigan.gov/wood and is a free service offered by the DNR to help landowners market their timber, and businesses find suppliers of products or services.
- If you wish to receive a copy of the report generated from the survey, indicate under mill information.
- Check the "Mill Type" for the type of RAW MATERIAL that is processed at the mill. If more than one Raw Material type is processed at this location, please fill out a separate form for each RAW MATERIAL type. If none of the "Mill Types" apply, check "Miscellaneous/other mill:" and specify the mill type.

Section 2 - EQUIPMENT USED: Check all of 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 if needed.
- For raw material EXPORTED to other countries, please fill out Section 3.4. ***This information will be kept confidential.***

Section 3.1. TYPE OF RAW MATERIAL RECEIVED & PROCESSED: Check only one type per page.

Section 3.2. TOTAL AMOUNT OF RAW MATERIAL PROCESSED: Indicate the amount of raw material processed that matches the type checked in 3.1. Please also indicate the total average annual capacity for the mill in the space provided. Attach additional sheets for other types of raw material processed. Indicate "Unit of Measure." If the Unit of Measure is a weight measurement, please indicate the conversion factor that the mill uses for pounds per board foot or cords. Please enter the average log length (in feet) and small-end diameter of logs (in inches) processed at this mill. ***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 and county if known-- if volumes or % by county are not known, mark which counties you obtained wood from in 2023 on the attached map or enter an estimated procurement radius in miles. If you wish to submit your own report with this information, you may submit this to SchmiegeC@michigan.gov. ***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 2023.

Section 4 – FINISHED PRODUCTS PRODUCED IN 2023 & EXPORTS

This section only needs to be completed once per mill.

Section 4.1 – Indicate the types of finished products produced as a percentage of your facility's total raw material volume processed in 2023 (e.g., 15% of your 2023 raw material volume was used to produce rough lumber, 30% was used to produce railroad ties, etc.). Please ensure that your estimates add up to 100%. ***This information will be kept confidential.***

Section 4.2 – Please enter the volume of finished goods produced by type of roundwood – broken out by softwood and hardwood species groups. Please indicate the unit of measure (e.g., lumber tally), and the percentage of that which was planed or dressed. ***This information will be kept confidential.***

Section 4.3 - Please indicate if you exported finished products out of the country in 2023. ***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 – Please indicate how you dispose of mill residues, by category and percentage. ***This information will be kept confidential.***

Section 6 –BOILER/HOG FUEL RECEIVED

- Note: Complete this section if your mill receives or buys roundwood, harvest residues, or chips from the forest for boiler/hog fuel.

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.***

Section 7 –CAPITAL INVESTMENTS IN 2022 AND 2023

Enter the amounts of capital invested in your facility for equipment, software, or infrastructure in 2022 and 2023. ***This information will be kept confidential.***

Section 8 – PANDEMIC IMPACT AND FINANCIAL ASSISTANCE PROGRAMS

Please check the boxes to indicate the extent to which the COVID-19 Pandemic impacted your business. ***This information will be kept confidential.***

If you need help completing the survey or have any questions.

Please contact Chris Schmiege at 517-275-2865 or at SchmiegeC@michigan.gov