

Bureau of Business and Economic Research  
Gallagher Business Building, Room 231  
The University of Montana  
Missoula, Montana 59812-6840

OMB No. 0596-0010  
Expires 12-31-09

STATE, YEAR--General

## Forest Industries Data Collection System

### GENERAL INSTRUCTIONS

The objective of this survey is to collect and compile basic data on the source and volume of raw materials used by the forest products industry in STATE and the volumes and types of finished wood products produced in the state. Figures from individual firms will be held strictly confidential. Only summarized data for the industry and for geographic areas will be made available. This report is authorized by Public Law 98-378. While you are not required to respond, your cooperation is needed to make the results of this study comprehensive, accurate, and timely.

Please fill out the attached questionnaire as completely and accurately as you can. Some of the items may not apply to your firm's operations. In that case, please proceed to the next item.

If you have questions concerning the completion of this questionnaire, please call toll free to Steve Hayes, Todd Morgan, or Jason Brandt, Bureau of Business and Economic Research, 1-877-700-2237 for assistance.

When you have completed the questionnaire, please mail the questionnaire in the enclosed postage-paid reply envelope to the Bureau of Business and Economic Research, or fax to (406) 243-2086.

**Thank you for your cooperation and assistance. You will be mailed a report when it is complete.**

Public reporting burden for this collection of information is estimated to average 50 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Agriculture, Clearance Officer, OIRM, Room 404-W, Washington, DC 20250; and to the Office of Management and Budget, Paperwork Reduction Project (OMB# 0596-0010), Washington, DC 20503.

**I. Plant Profile**

**Please complete a separate questionnaire for each plant**

A. Plant name \_\_\_\_\_

B. Mailing address \_\_\_\_\_  
\_\_\_\_\_

C. Location (if different from mailing address above)

Street address \_\_\_\_\_

City or town \_\_\_\_\_ County \_\_\_\_\_

D. Name of person completing questionnaire \_\_\_\_\_

title \_\_\_\_\_

telephone number \_\_\_\_\_

E. Type of mill (**check one**): \_\_\_\_\_ Sawmill \_\_\_\_\_ Post and pole \_\_\_\_\_ Plywood  
\_\_\_\_\_ House log \_\_\_\_\_ Utility pole \_\_\_\_\_ Other (**specify type**) \_\_\_\_\_

F. What year did your facility open? \_\_\_\_\_

G. Types of major equipment used in your **sawmill** or **plywood plant**. All other facilities skip this question and move on to question H.

G1. Major equipment in your sawmill (please check all types used).

Headsaw – bandsaw  
\_\_\_\_ twin  
\_\_\_\_ single  
\_\_\_\_ quad  
\_\_\_\_ other \_\_\_\_\_

Headsaw – circle saw  
\_\_\_\_ carriage  
\_\_\_\_ scrag  
\_\_\_\_ over-under  
\_\_\_\_ other \_\_\_\_\_

Headsaw – chipping  
\_\_\_\_ chip 'n saw  
\_\_\_\_ side chipping (beaver)

Resaw  
\_\_\_\_ gang  
\_\_\_\_ horizontal band  
\_\_\_\_ splitter  
\_\_\_\_ vertical

slab chipper

dry kiln

Debarker

planer

machine stress-rating

G2. Number of plywood lathes used, by size.

4' lathes \_\_\_\_\_

8' lathes \_\_\_\_\_

10' lathes \_\_\_\_\_

H. Shift and annual production capacity of your mill in **YEAR** -- estimate capacity after considering normal maintenance and down time -- in other words, the amount you could have produced if you had sufficient supplies of raw materials and firm market demand for your products.

	<u>Shift Capacity</u>	<u>Annual Capacity</u>
Sawmill capacity (MBF lumber tally):	_____	_____
Post and pole or utility pole capacity (# of pieces)	_____	_____
average length _____		
average diameter _____		
House log capacity (lineal feet of logs):	_____	_____
Other capacity: ( <b>specify units</b> ):	_____	_____

I. How many days did your facility operate in **YEAR** \_\_\_\_\_ # of shifts / day \_\_\_\_\_

J. Hours per shift \_\_\_\_\_

K. On average, how many employees worked at your facility in **YEAR**

    Production workers including line supervisors \_\_\_\_\_

    Administrative and clerical workers \_\_\_\_\_

L. For your timber receipts for **YEAR**, percentage of volume from logs that had a **small-end** diameter of:

    \_\_\_\_\_ % < 4 inches      \_\_\_\_\_ % 4 to 7 inches      \_\_\_\_\_ % 7 to 10 inches

    \_\_\_\_\_ % 10 to 24 inches      \_\_\_\_\_ % > 24 inches

    Minimum small-end diameter accepted: \_\_\_\_\_ inches; preferred: \_\_\_\_\_ inches

    Maximum large-end diameter accepted: \_\_\_\_\_ inches; preferred: \_\_\_\_\_ inches

M. Lengths of logs used in operation:

    Minimum \_\_\_\_\_ feet

    Preferred \_\_\_\_\_ feet

    Maximum \_\_\_\_\_ feet

    Multiples of: \_\_\_\_\_ feet

    Other \_\_\_\_\_

N. **Log home** and **house log** manufacturers please complete the following section dealing with method of manufacturing, method of construction, degree of processing, and log sizes offered.

Method of manufacturing logs: (check **all** that apply)

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> lathe turned    | <input type="checkbox"/> hand-hewn       | <input type="checkbox"/> machine contoured  |
| <input type="checkbox"/> sawn on 2 sides | <input type="checkbox"/> sawn on 3 sides | <input type="checkbox"/> hollowed (airlock) |

Method of construction: (check **all** that apply)

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> swedish cope                | <input type="checkbox"/> double-round tongue & groove | <input type="checkbox"/> american chinked |
| <input type="checkbox"/> "D" style (3 flat surfaces) | <input type="checkbox"/> other (specify) _____        |   |

Degree of processing: (check **all** that apply)

- |   |   |
|---|---|
| <input type="checkbox"/> manufacture logs | <input type="checkbox"/> complete kits            |
| <input type="checkbox"/> construct shells | <input type="checkbox"/> construct complete homes |



B. Indicate the species and percentages of each species received.

<u>Species</u>	Percent of <b>YEAR</b> receipts	Percent of species that was standing dead
_____	_____ %	_____ %
_____	_____ %	_____ %
_____	_____ %	_____ %
_____	_____ %	_____ %
_____	_____ %	_____ %
_____	_____ %	_____ %
_____	_____ %	_____ %
_____	_____ %	_____ %
_____	_____ %	_____ %
_____	_____ %	_____ %
_____	_____ %	_____ %
_____	_____ %	_____ %
_____	_____ %	_____ %
_____	_____ %	_____ %
_____	_____ %	_____ %
	100 %	

C. Raw material inventory: Beginning **YEAR** \_\_\_\_\_ End **YEAR** \_\_\_\_\_

D. Did your firm ship any unprocessed timber from this mill location to another facility in **YEAR**? If so, please indicate the volume shipped and the county and state where the timber was shipped.

Volume of timber shipped (MBF) \_\_\_\_\_ County and state of receiving mill \_\_\_\_\_

Receiving Mill \_\_\_\_\_

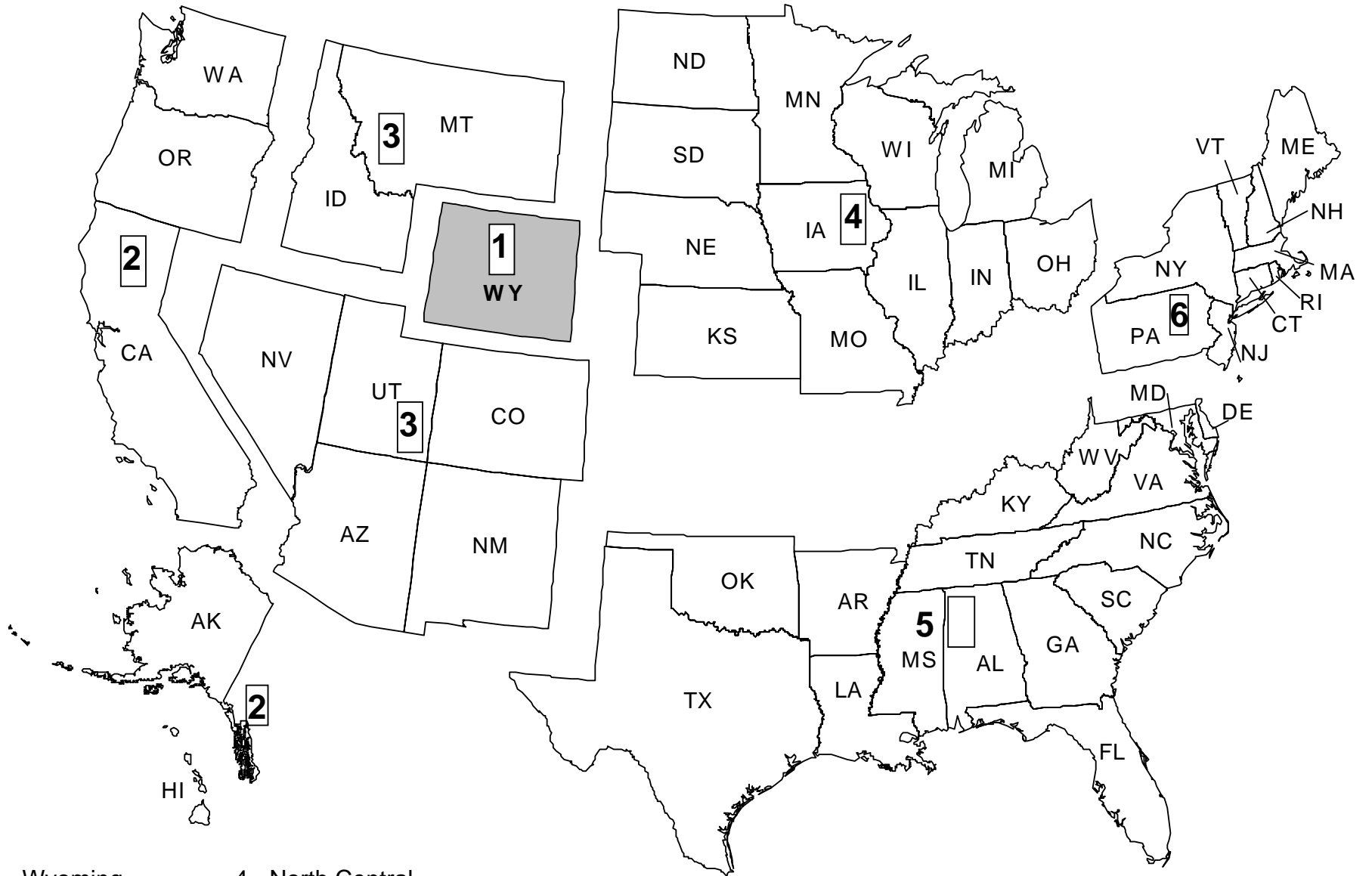
Volume of timber shipped (MBF) \_\_\_\_\_ County and state of receiving mill \_\_\_\_\_

Receiving Mill \_\_\_\_\_

Volume of timber shipped (MBF) \_\_\_\_\_ County and state of receiving mill \_\_\_\_\_

Receiving Mill \_\_\_\_\_





- 1 - Wyoming
- 2 - Far West
- 3 - Rocky Mountain
- 4 - North Central
- 5 - South
- 6 - Northeast



### III. Flow of Finished Products in YEAR (continued)

B. Please indicate the volume of mill residues produced and sold by your facility in YEAR, residue sales in and out of state, and how the residue was used .

Product Type	Volume Produced	Volume Sold	----- Market Area -----		----- Indicate How Residue Was Used ----- ----- (please account for 100 percent of volume produced) -----				
			Sales of Residue in Mill's state	Sales of Residue in Other States	Raw Material for Pulp or Board	Sold/Used for Hogfuel/Biomass /Energy	Unused	Firewood	Other Use Specify
Chips	_____ BDUs	_____ BDUs	\$ _____	\$ _____	____%	____%	____%	____%	____%
Slabs, edging, & trim not chipped	_____ ( )	_____ ( )	\$ _____	\$ _____	____%	____%	____%	____%	____%
Sawdust	_____ BDUs	_____ BDUs	\$ _____	\$ _____	____%	____%	____%	____%	____%
Planer Shavings	_____ BDUs	_____ BDUs	\$ _____	\$ _____	____%	____%	____%	____%	____%
Bark	_____ BDUs	_____ BDUs	\$ _____	\$ _____	____%	____%	____%	____%	____%
Other _____	_____ _____	_____ _____	\$ _____	\$ _____	____%	____%	____%	____%	____%
Other _____	_____ _____	_____ _____	\$ _____	\$ _____	____%	____%	____%	____%	____%
Other _____	_____ _____	_____ _____	\$ _____	\$ _____	____%	____%	____%	____%	____%

If residue is sold out-of-state, please indicate states/country and appropriate proportions:

Residue Type	State/Country	Percent
_____	_____	_____
_____	_____	_____
_____	_____	_____

C. Finished goods inventory:

Product _____	Beginning YEAR _____	End YEAR _____
Product _____	Beginning YEAR _____	End YEAR _____
Product _____	Beginning YEAR _____	End YEAR _____

Thank you for your cooperation.