

Trends in the Montana Forest Products Industry COFE Annual Meeting July 8, 2013

Steve Hayes, CF Bureau of Business and Economic Research The University of Montana

- BBER Who We Are
- The research and public service branch of the University of Montana School of Business Administration
- Mission to serve the general public, business, labor, and government by providing an understanding of the economic environment in which Montanans live and work

- What We Do
- State & local economic analysis
- Survey research
- Health care industry research
- Manufacturing industry research
 Forest industry research

Forest Industry Research

- State-level industry analysis
- Removals from forest inventory: Resource Planning Act Assessment & Timber Products Output (RPA-TPO)
- Cost of forest management activities
- Other related projects

Data Sources



 Periodic industry surveys and censuses

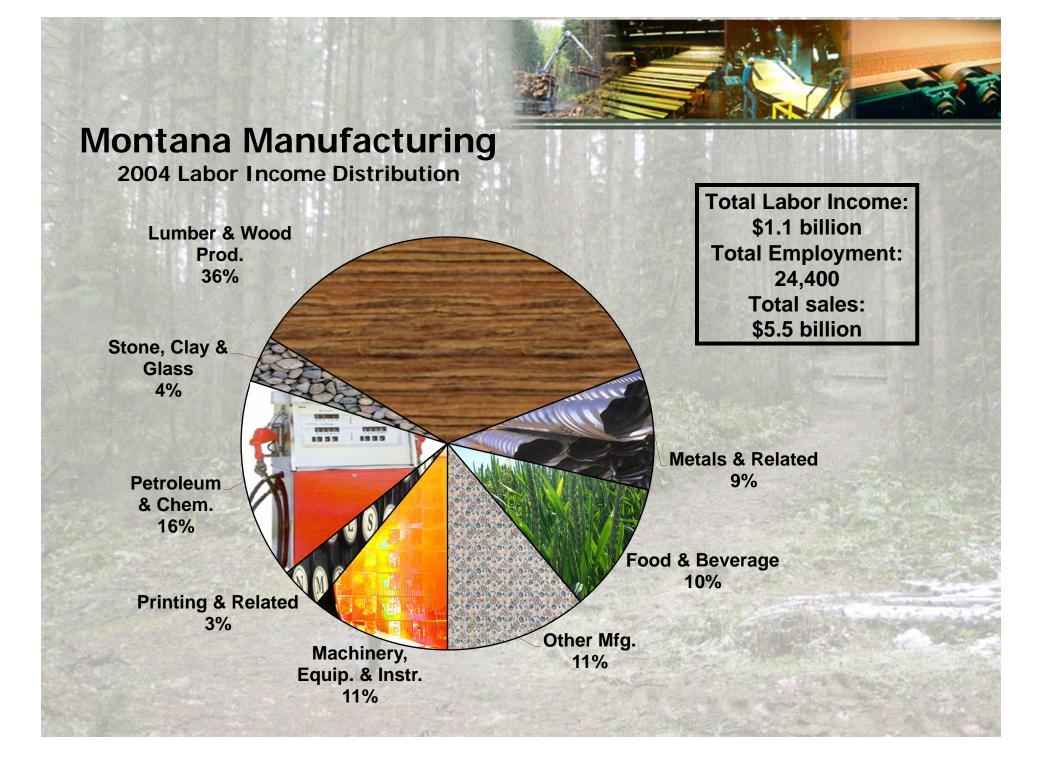
 Published information on the forest products industry

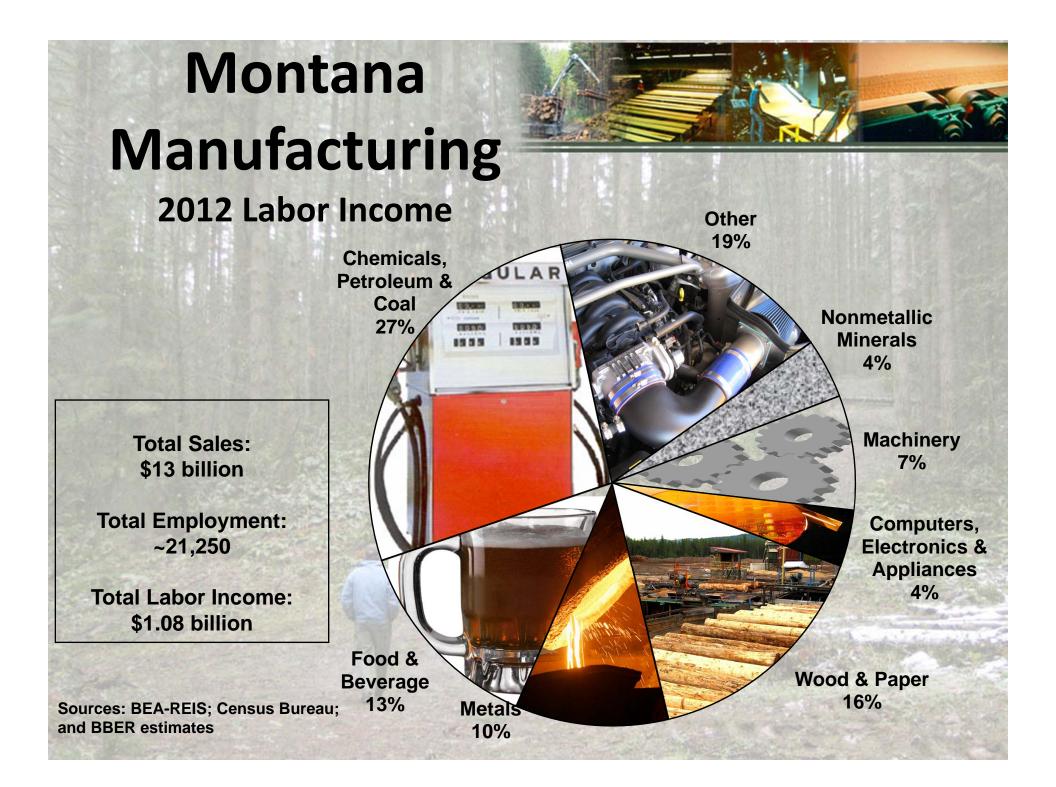
 Interviews/discussions with mill managers, state and federal utilization specialists

Forest Industry Censuses (with IW & PNW FIA)



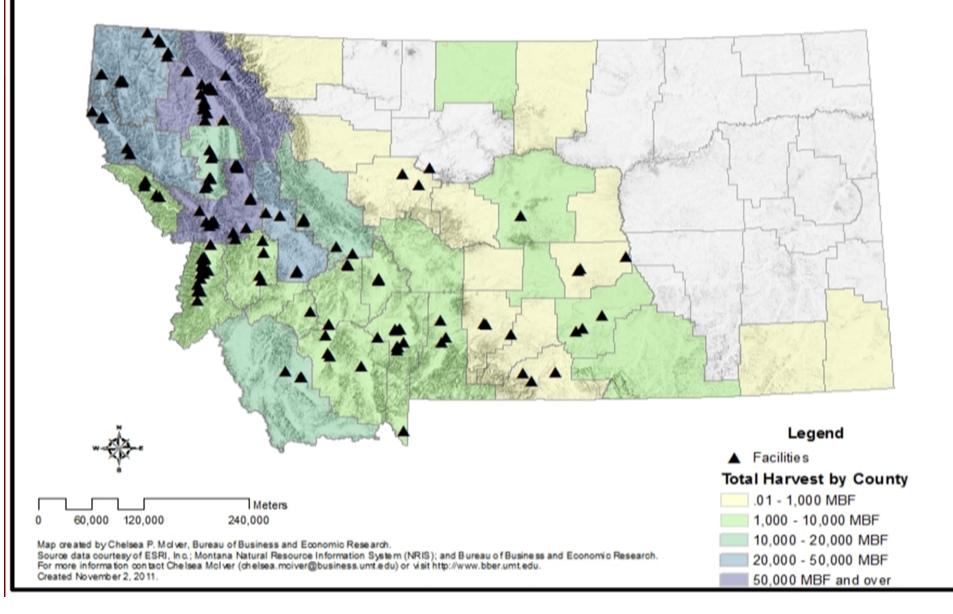
- Mill type, capacity, equipment
- Timber harvest volume, use, species, size, county, & ownership
- Product volume, sales, & geographic distribution
- Mill residue/wood fiber use
- Associated employment





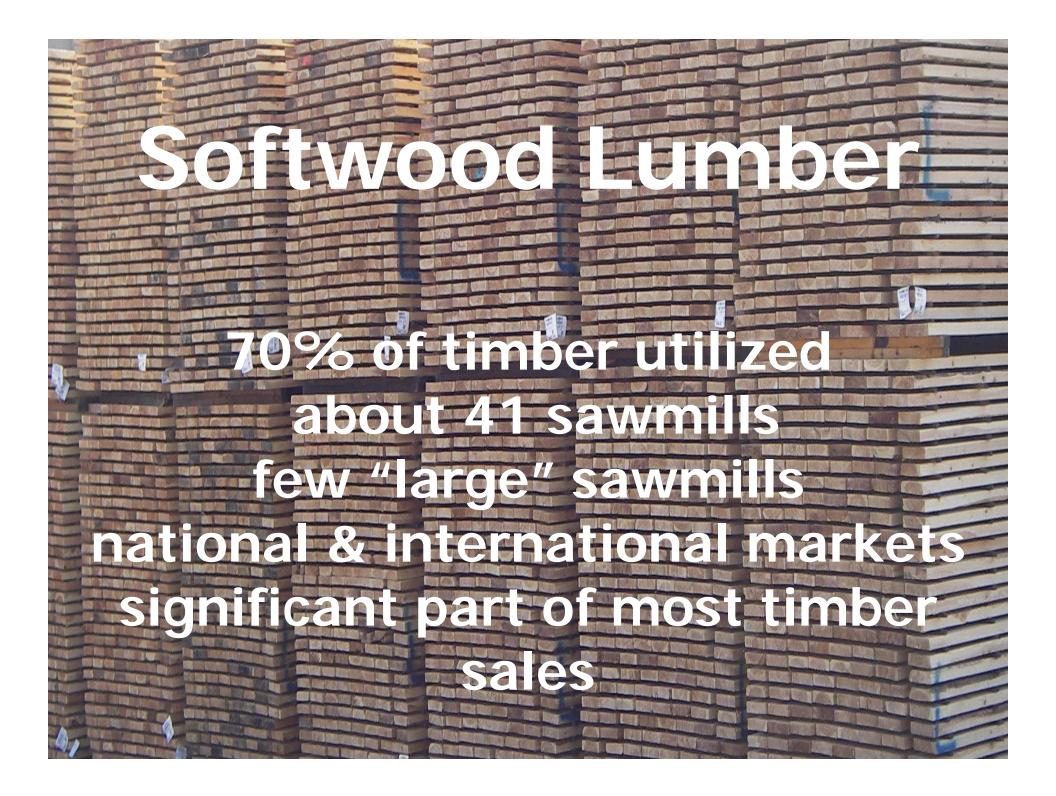
Montana's Forest Products Industry			
2004	2012		
 963 MMBF of capacity 10,695 workers \$410 million in labor income \$ales of \$1.2 billion 	 •485 MMBF of capacity •6,650 workers •\$295 million in labor income •Sales of \$880 million 		

Montana Primary Timber Processing Facilities and Timber Harvest, 2009



Primary forest products industry:

 logging, and processing of logs into wood products, and processing wood residues from timber-processing plants





Particle Board & MDF







Posts, Poles, Rails

Log Furniture



Pulpwood

Biomass



Quarterly Montana Reporting

Average Quarterly Delivered Log Price, Montana 1Q 2001- 4Q 2012





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THE MONTANA WOOD PRODUCTS INDUSTRY: 2010

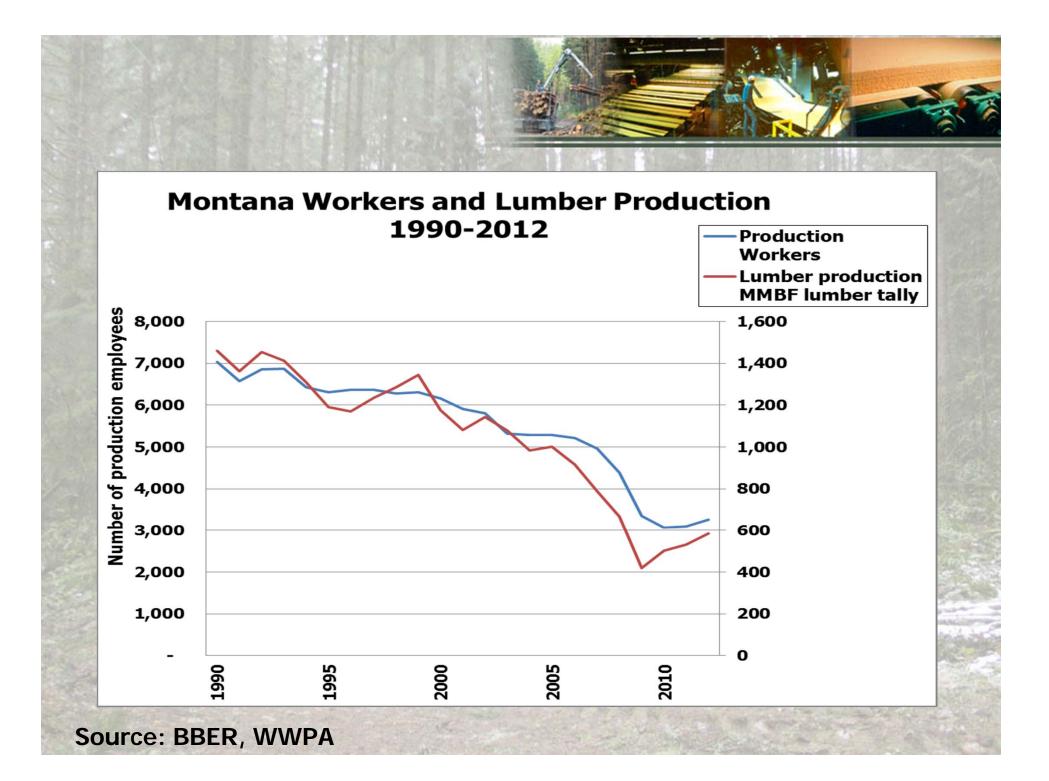
A Compilation of Quarterly Reports

2010	Production Workers*	Production Wages (000) *	Lumber Production (MMBF) ^b
January	1,891	\$5,076	36
February	1.544	\$4,358	37
March	1.541	\$4.672	48
First Quarter	1,658	\$14,105	121
April	1,553	\$4,569	45
May	1,564	\$5,199	47
June	1,562	\$4,579	41
Second Quarter	1,560	\$14,347	135
July	1,583	\$4,498	34
August	1,582	\$4,633	37
September	1,568	\$4,260	42
Third Quarter	1,578	\$13,391	113
October	1,558	\$4,470	38
November	1,529	\$4,313	39
December	1,521	\$4,509	35
Fourth Quarter	1,536	\$13,292	112
2010 TOTAL	1,583	\$55,135	481

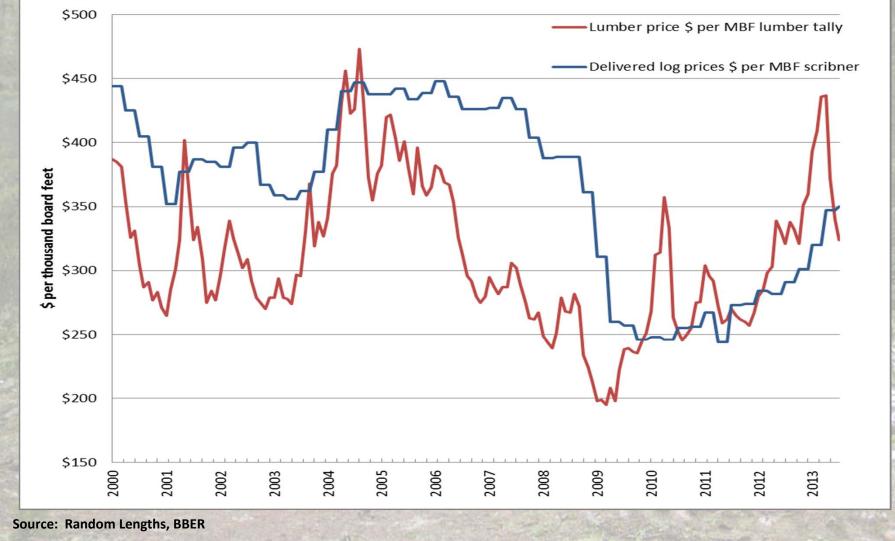
SOURCE: The University of Montana, Bureau of Business and Economic Research, Forest Industries Information System (Missoula, Montana 2010). Revised 2/4/11.

<u>NOTES</u>, *Includes production workers/wages at all timber processing and wood residue processing facilities. Production workers account for 40 to 50 percent of the workers in Montana's forest products industry. * Million board feed, lumber taily.

www.bber.umt.edu/forest



Quarterly Lumber vs. log prices



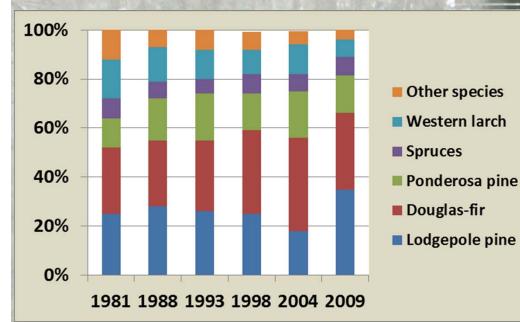


Montana Timberland: Ownership & Harvest

- 20 million acres of non-reserved timberland
 - 63% National Forest
 - 28% Private & Tribal
 - 9% Other Public
 - 380 MMBF harvest in 2012
 - 50% NIPF & industry
 - 28% National Forest
 - 22% Other

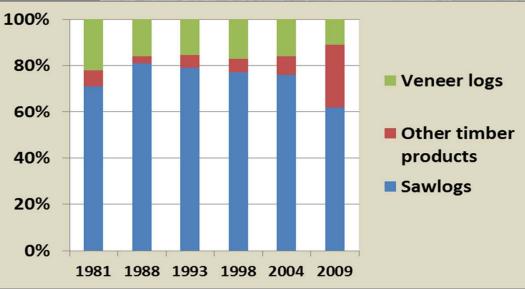


Harvest by Species

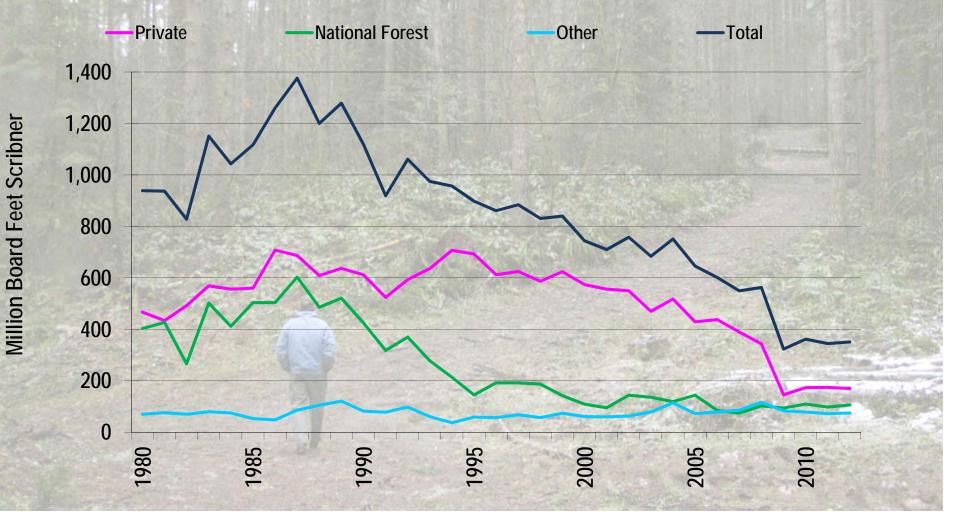


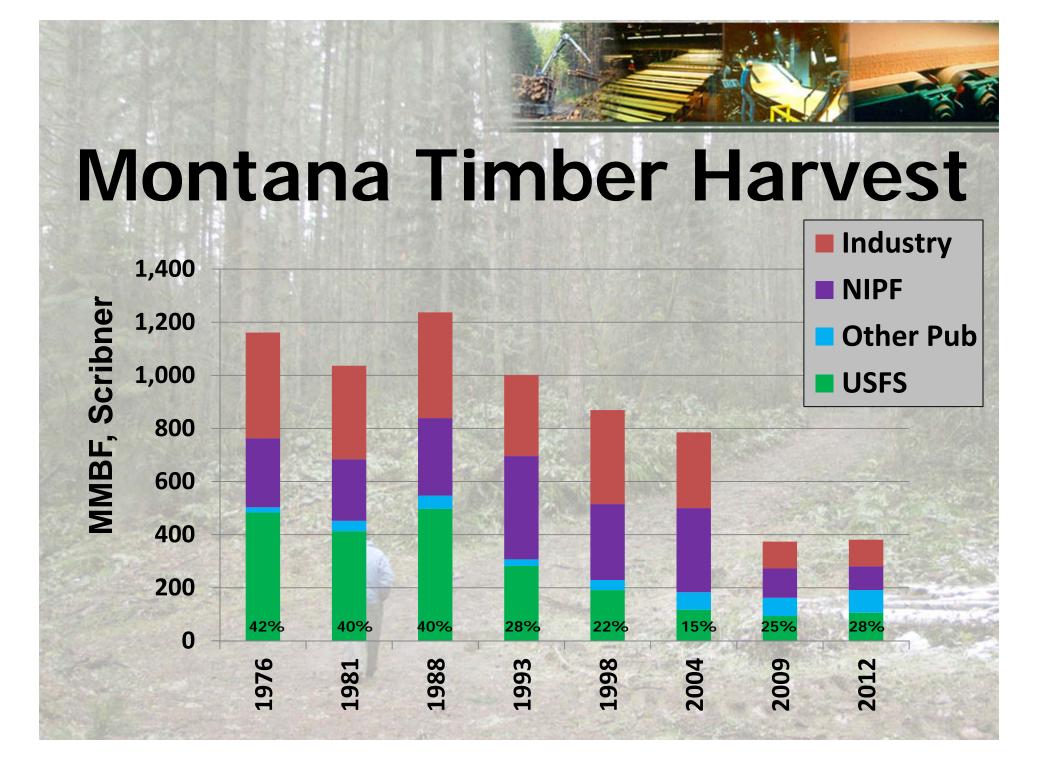
Harvest by Product





Montana Annual Timber Harvest 1980-2012





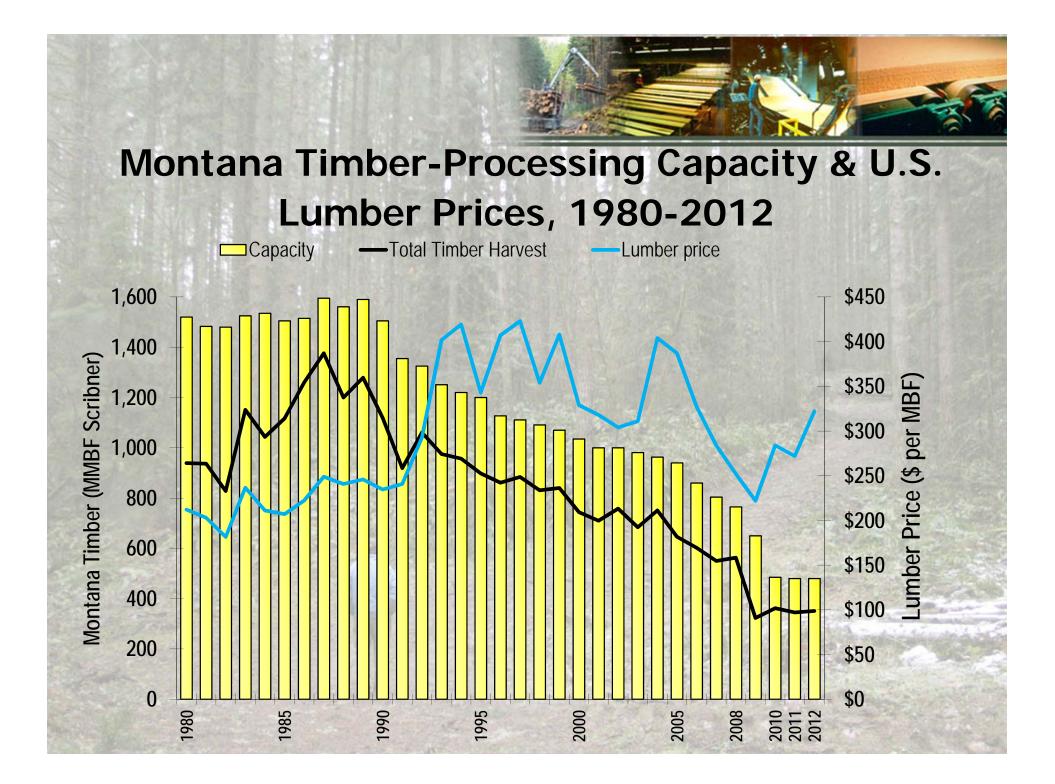
Timber-processing capacity:

Volume of timber that could be used annually by existing timber processors if demand for products were firm and sufficient raw material were available

Shifts per Year :

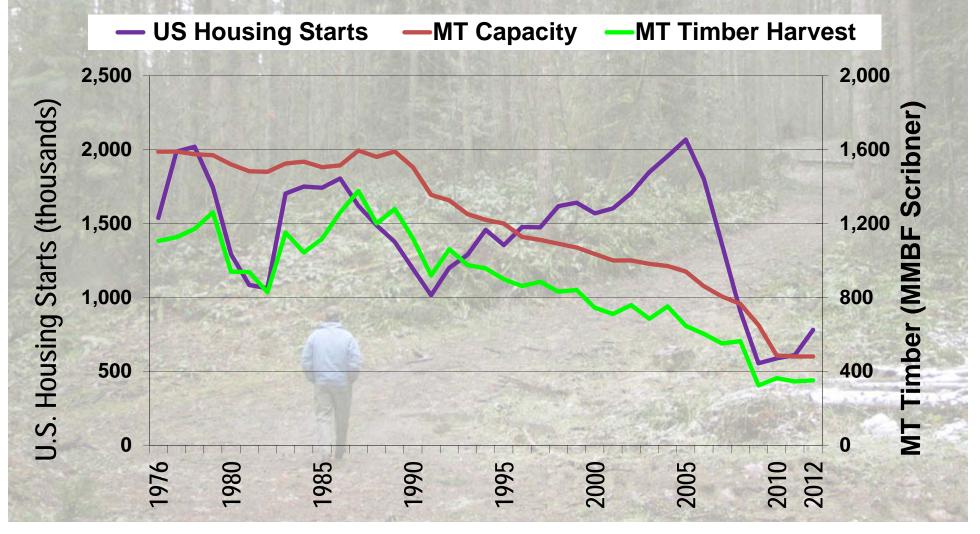
More than 85 percent of Timber Processing capacity is at sawmills and plywood plants;

- Large sawmills 2+ and in many cases
 3 shifts 240 -280 days
- Plywood generally 3 shifts for @250 day year



US Housing & MT Wood, 1976-2012

Sources: U.S. Census Bureau; BBER



Recent Market Conditions



 – "Lumber Consumption At Record Levels"

2006-2007-2008

 "Housing starts tumble ..."

2009 - 2010

• "Demand for lumber in the U.S. at the lowest level in modern history"

 "Recession ended in 2009 – Who knew?"

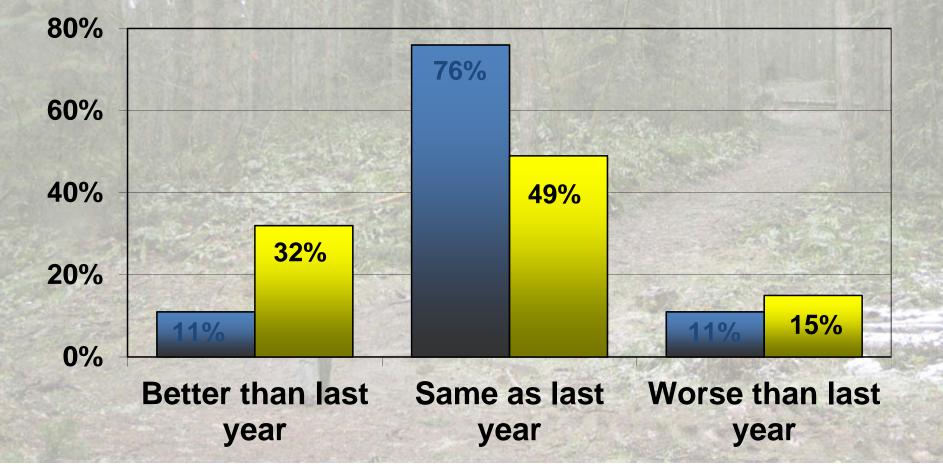
2009-2010 "Dreadful"



- Curtailments at virtually every major wood products mill in west
- Permanent closure of 30 major mills
 25 + sawmills and plywood plants
 4 Pulp and board mills
- Employment dropped by @ 40,000

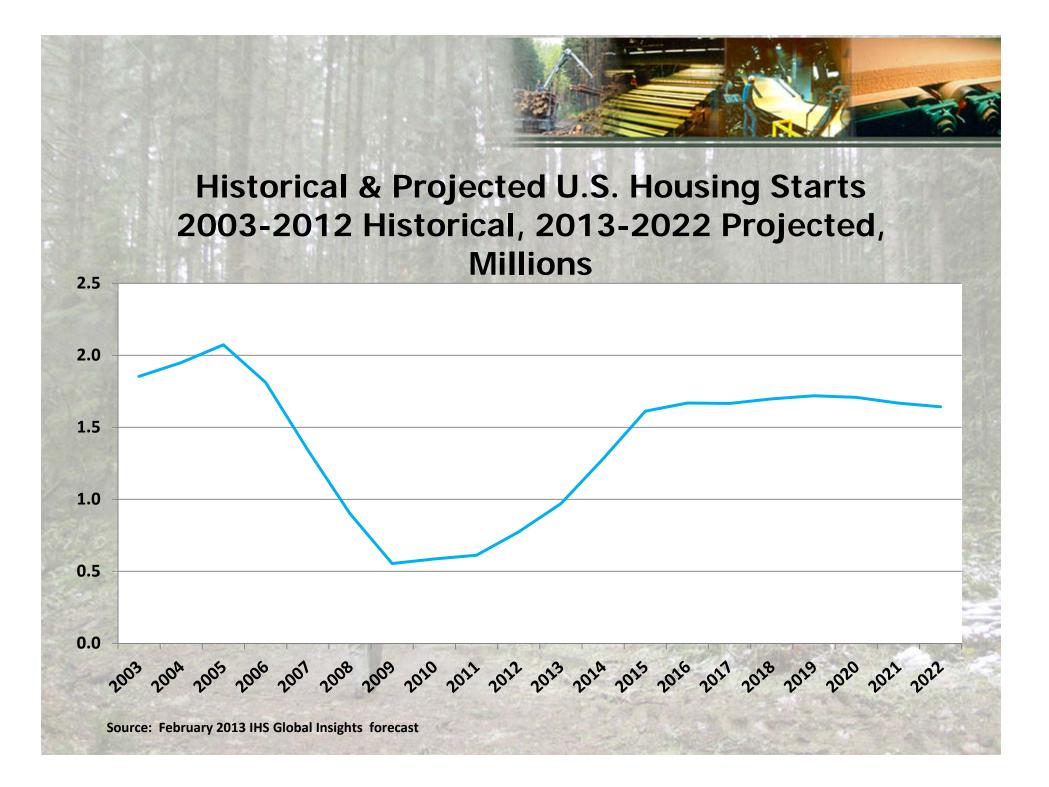


Montana Forest Products Outlook for the Percent of Firms Outlook for 2012 Outlook for 2013

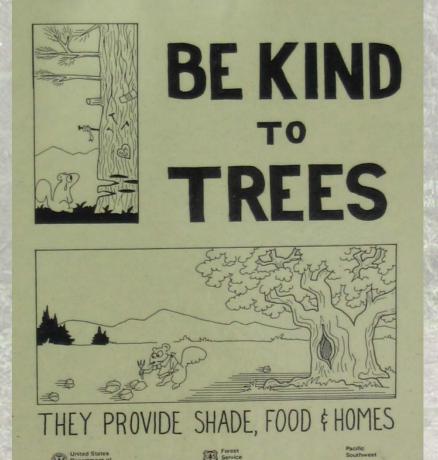


Montana Forest Products Industry 2013 Forecast

- U.S. homebuilding is recovering Markets are expected to be better than 2012
- Lumber production & sales should increase
- Employment & worker earnings may increase slightly



Comments/Questions?



United States



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