

### Forest2Market®

# PNW Wood Markets: A Closer Look at our Domestic and Export Timber Economies

Timber Measurements Society

Central Meeting

April 7, 2016

Coeur d' Alene, Idaho



### Today's Topics

- US housing and the forest industry
- The future for building with wood
- "Softwood Lumber Agreement"
- US regional production trends
- The Log Export business
- Canadian lumber production
- Conclusion and some predictions



#### About Forest2Market

Forest2Market serves industries that consume wood raw materials.

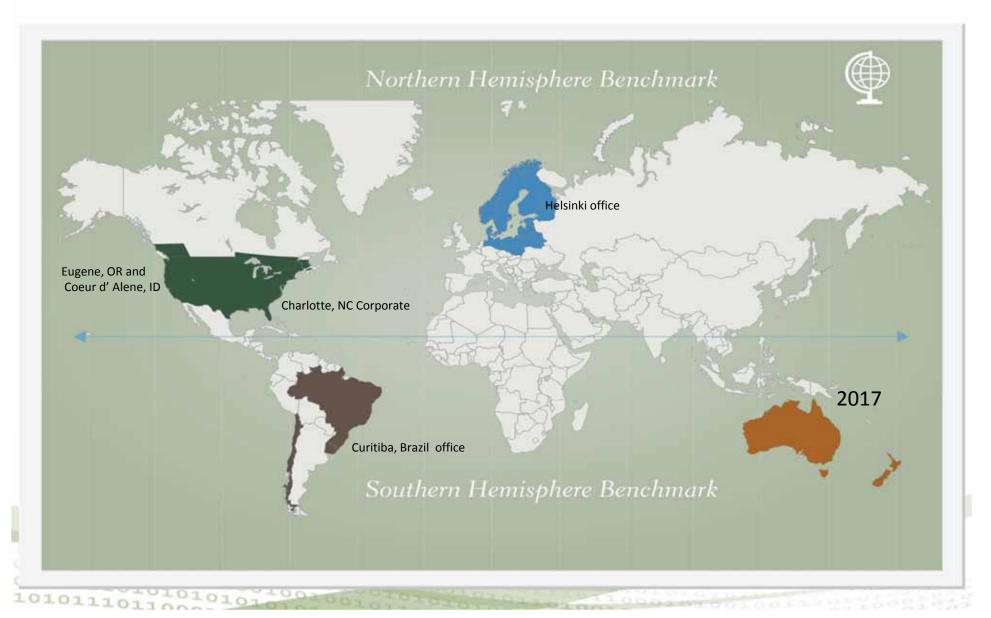
- Wood products, pulp and paper products and lumber manufacturers
- Bioenergy, biofuels and biochemical producers



These industries rely on Forest2Market's market price reports, performance benchmarks, resource studies and supply chain expertise to make high value decisions and measure the results.



#### Forest2Market - Worldwide



### Building with wood in the US





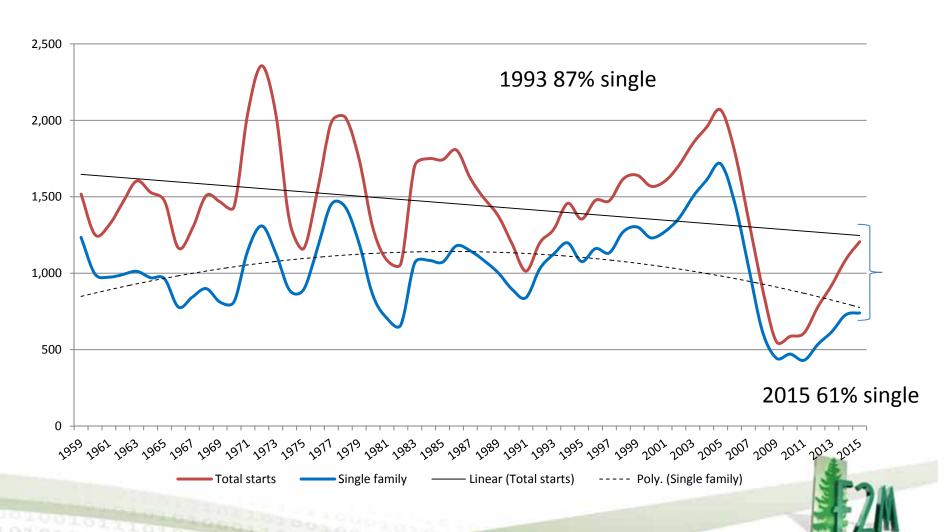
### US housing drives NA production



Source: US Census & Forest2Market



### Changing demographics of housing



### New horizons building with wood

Framework, a twelve story retail, office and housing project using crosslaminated timber (CLT) and other engineered wood products to be constructed in Portland, Oregon

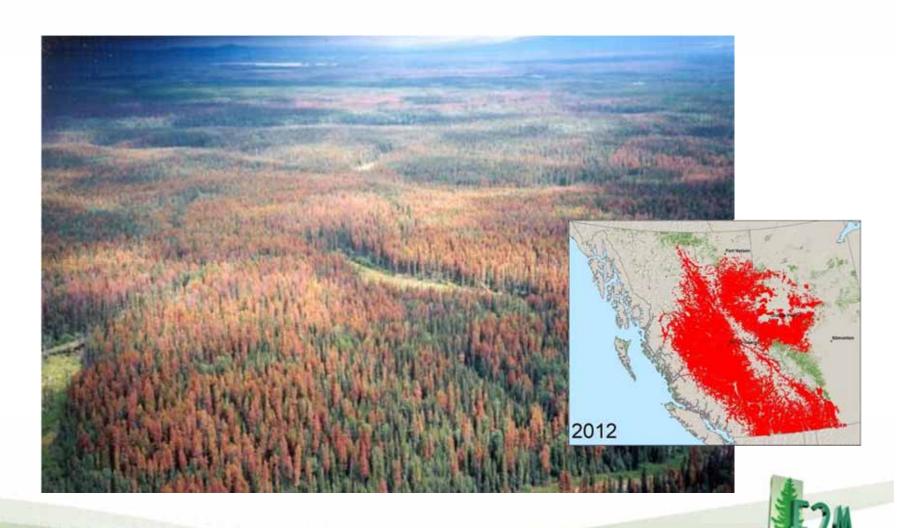


Coursesy of Edelman Public Relati Framework, a 12-story Portland project, shared a \$3 million USDA tall wooden building design prize. It will be built using cross-laminated timber

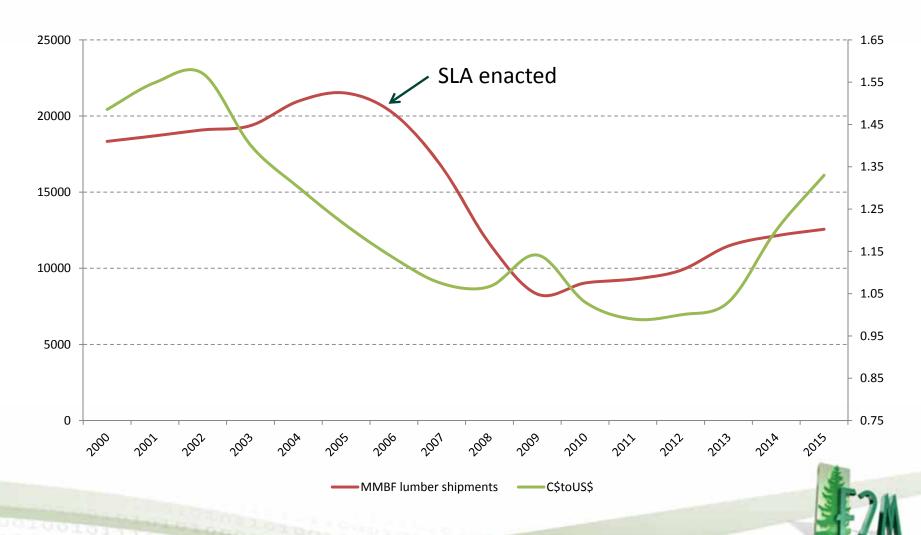
Wooden high-rise in Portland shares \$3 million USDA design prize



### **BC** Forest Industry



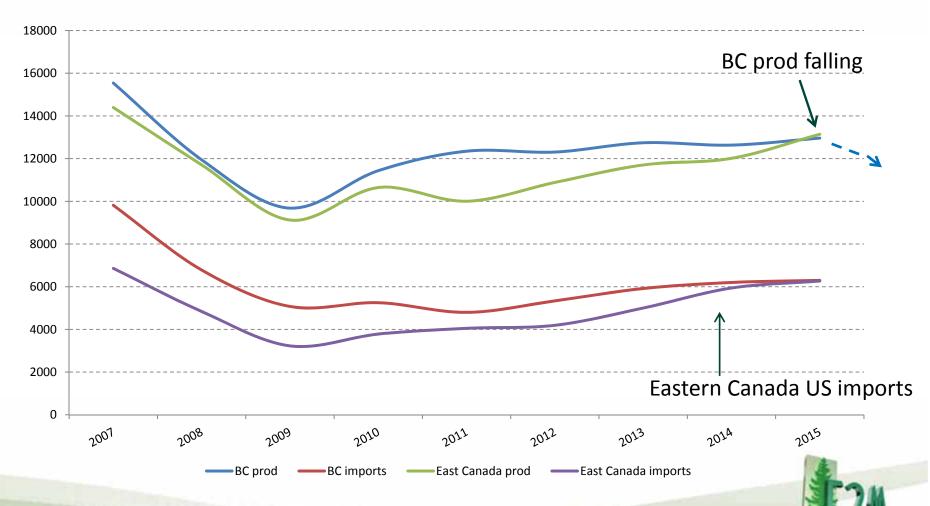
### B.C. softwood lumber imports to US



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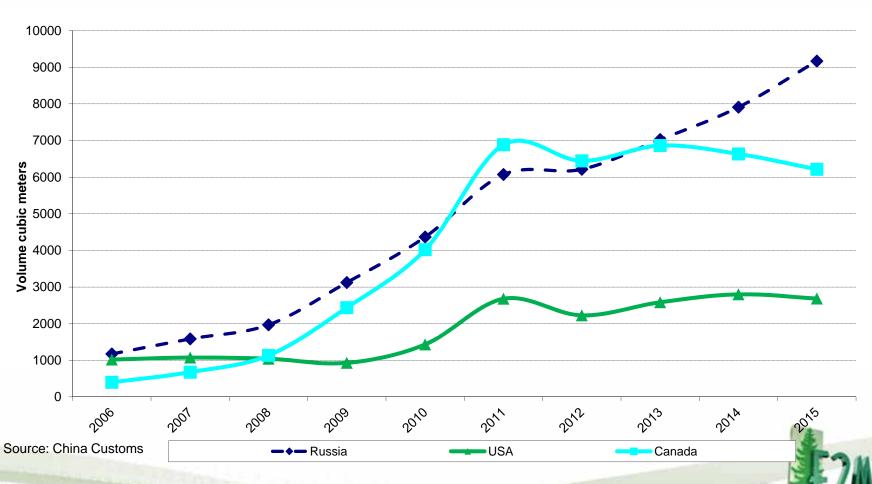
### Canadian lumber production has peaked

Billion board feet



### Slow Chinese demand = increased US domestic supply

China lumber imports by selected country



### Softwood lumber agreement

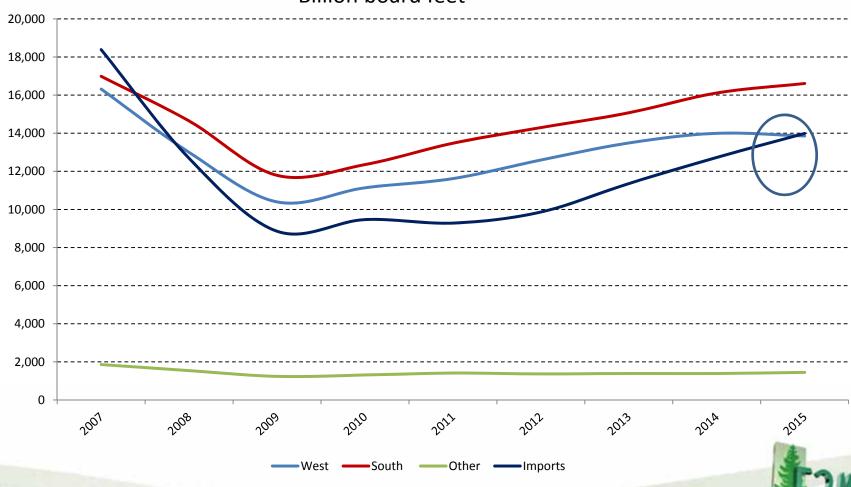
- Adopted in 2006; resulting from a disagreement over whether Canadian stumpage pricing process constituted an unfair subsidy that disadvantaged the US lumber industry
- SLA expired in October 2015
- What has changed? Mountain pine beetle infestation in BC,
   Canadian producers supply China's demand for wood products,
   Canadian industry now owns a large stake in US lumber production
- Strong US \$ makes Canadian lumber imports attractive
- As demand from China falls, US producers have been concerned about a "wall of wood" from across the border
- Canadian producers see new trade restrictions as an unnecessary intrusion on free trade, an effort to prop up values of US private forests and fear further duties could be retro-active
- Negotiations began with PM Trudeau's White House visit last month

### US industry outlook



#### Source of US Softwood Lumber





### **Key Economic Indicators**

Table 4. Performance Overview of Selected Industries in February 2016 (Source: ISM)

						•	
	Manufacturing			Services			
Categories	Index	Wood Products	Paper Products	Index	Real Estate	Construction	Ag. & Forestry
New Orders	<b>◆</b> ▶	Δ	$\nabla$	<b>A</b>	$\triangleleft \triangleright$	Δ	Δ
Production		Δ	$\nabla$				
Employment	▼	$\triangleleft \triangleright$	Δ	▼	$\triangleleft \triangleright$	$\triangleleft \triangleright$	$\triangleleft \triangleright$
Slow Supplier Deliveries	<b>A</b>	$\triangleleft \triangleright$	$\triangleleft \triangleright$	<b>A</b>	Δ	$\triangleleft \triangleright$	$\nabla$
Inventories	•	Δ	$\triangle$		$\triangle$	$\triangle$	$\triangleleft \triangleright$
Customers' Inventories	▼	$\triangleleft \triangleright$	$\triangleleft \triangleright$				
Prices	•	$\triangleleft \triangleright$	$\nabla$	_	$\triangleleft \triangleright$	$\nabla$	$\nabla$
Backlog of Orders	▼	$\triangleleft \triangleright$	$\nabla$	<b>◆</b>	Δ	Δ	$\triangleleft \triangleright$
Exports	_	$\triangleleft \triangleright$	$\nabla$	<b>A</b>	$\triangleleft \triangleright$	Δ	Δ
Imports	▼	$\triangleleft \triangleright$	$\nabla$	<b>A</b>	$\triangleleft \triangleright$	$\triangleleft \triangleright$	Δ

- ▲ Growing at a faster rate
- ▲ Growing at a slower rate
- No change
- ▼ Contracting/Slowing at a slower rate
- ▼ Contracting/Slowing at a faster rate

- △ Increase
- ∇ Decrease



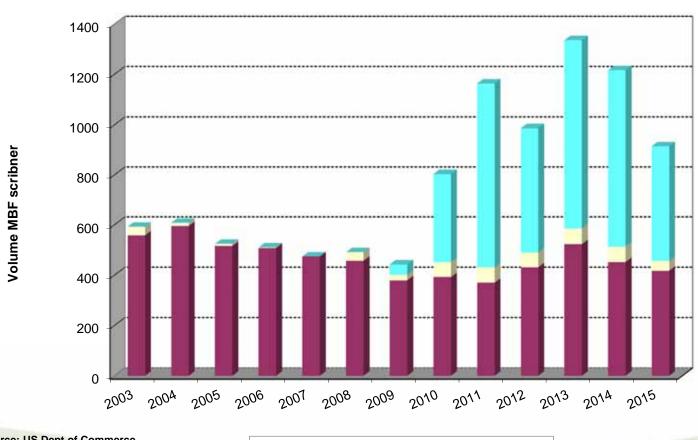
### **US Pacific Northwest**





### US log exports to Asia drop 25% in 2015

#### Northwest Log Exports to Asia - Breakbulk Volume

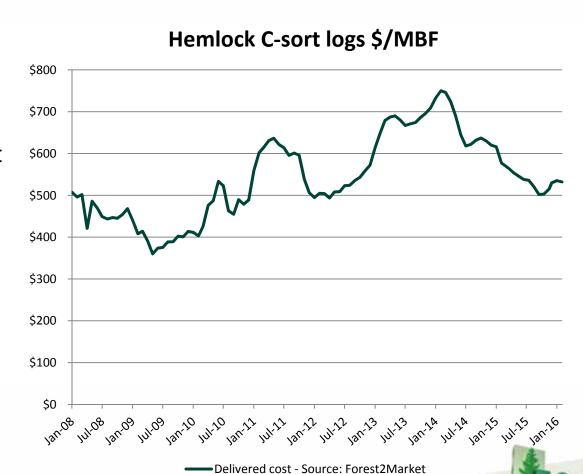


Source: US Dept of Commerce, courtesy of Jones Stevedoring



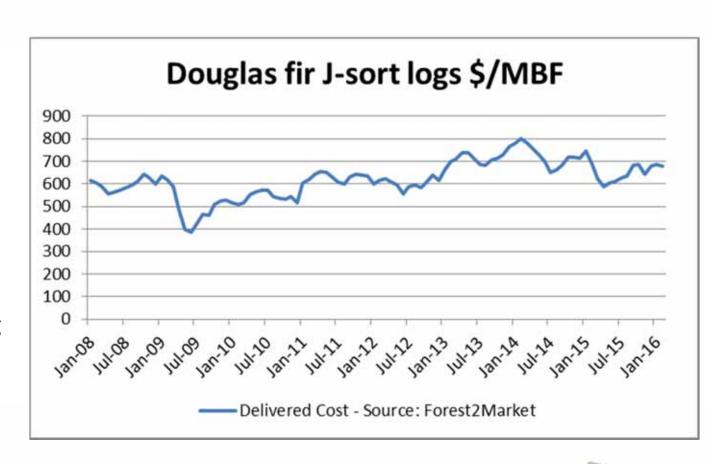
### Hemlock logs to China

- Chinas economy continues to decelerate while seeking stability
- GDP is slowing, credit risk is stabilizing
- US Logs outpriced due to USD, devalued Yuan, softened building effort due to structural oversupply
- Property is still viewed as a favorable investment



### Douglas Fir Exports to Japan

- DF retains its market share due to its value as a coveted building material
- Strong Yen spurs spending before upcoming tax increase
- Japanese housing starts just under 1MM
- Tenuous times amidst market turbulence



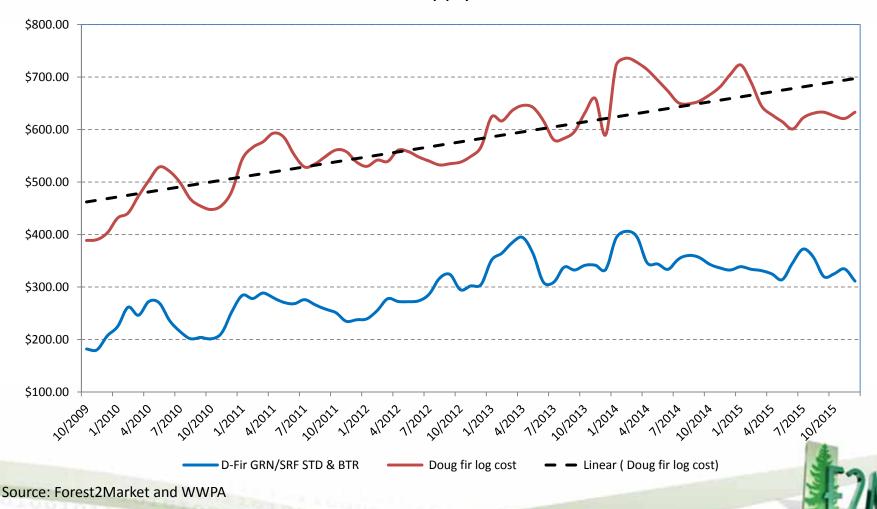


### **Domestic Production**



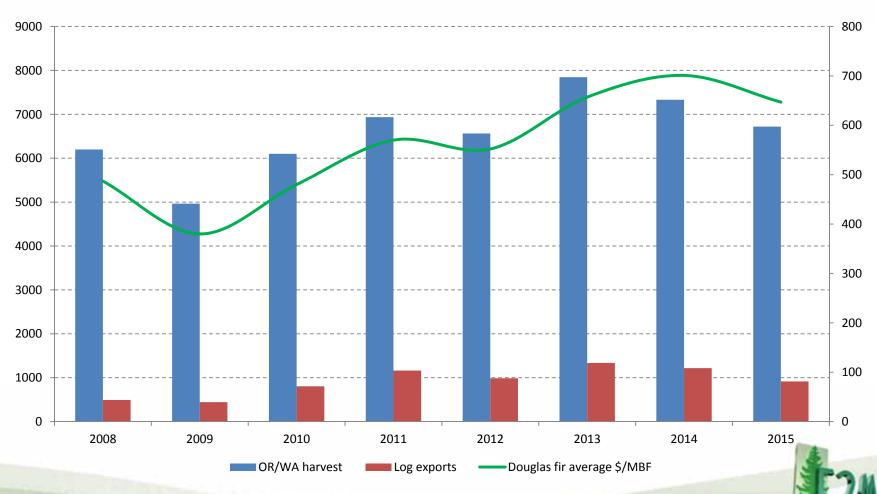
### Pacific Northwest industry margin

The northwest is timber supply constrained and volatile



### Oregon – Washington harvest and log value

Billion board feet and \$ / MBF



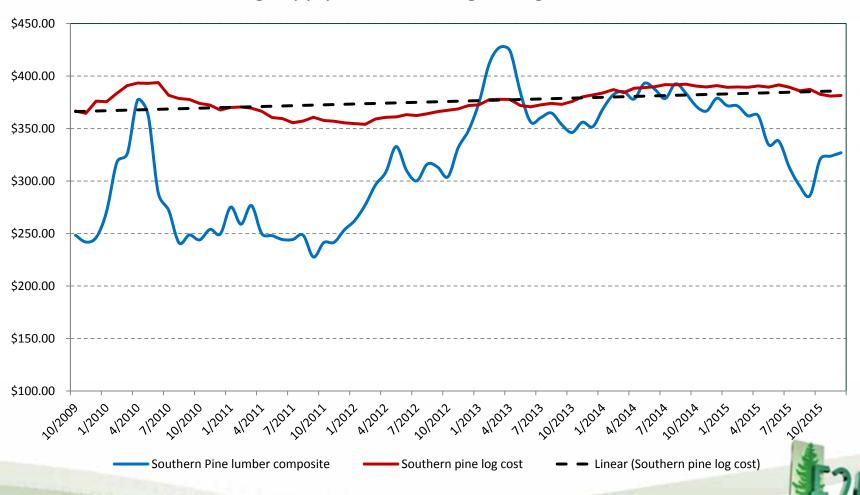
### **US Southern Pine**



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### Southern Pine industry margin

Log supply is abundant, growing and accessible



### Southern Forestry and Agriculture



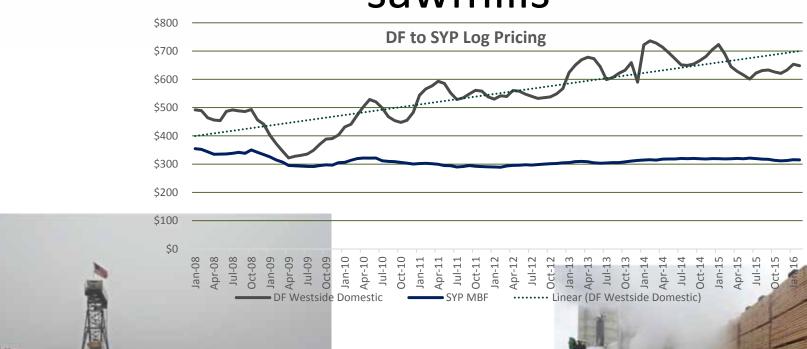








### Canadian investment in Southern pine sawmills







### Canadian forest industry moves south

- The Southern US pine region has abundant, low cost timber from productive, well managed <u>private</u> forests
- Canfor, West Fraser and Interfor; leading Canadian forest products companies hedge their bets, moving out of Beetle kill, into more lucrative business environment
- 35 SYP sawmills in Texas, Arkansas, Louisiana, Mississippi, Alabama, Georgia, South Carolina, North Carolina and Florida are now owned by these three companies
- 4.5 billion board feet of production capacity. Mostly framing lumber. Studs remain a NW and Northern product due to strength characteristics.
- Roughly half of 2015's housing starts were in the South.



### Concluding thoughts

- Slow but steady recovery for the US housing market
- Low interest rates, cheap fuel and sluggish economy watch pallets
- Potential for multi-level building with wood
- Watch for mill closures and consolidation to continue as PNW log supply is constrained
- British Columbia production and imports are declining
- Major growth for Southern US pine industry underway
- Strong US \$ influence on wood imports & exports
- Less demand for NA wood products for China = less competition for domestic wood supply
- Squaring off with competitive Southern hemisphere industry: productive plantations, modern pulp and panel mills; China demand and strong US \$?
- PNW harvest levels will be flat in near-term. Housing and exports

## Forest2Market: The highest quality wood raw material analysis available

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### Thank You!



