



*Forest2Market<sup>®</sup>*



# North America: *Housing, the Economy and Timber Harvest*

Silva 2015

*“The Value of Forests”*

*Wood and wood products markets*

November 3, 2015

Engelberg, Switzerland

# Today's Agenda

- US housing and the forest industry
- The future for building with wood
- Canadian lumber production
- US regional production trends
- “Softwood Lumber Agreement”
- Pulp and paper outlook
- North American forest product exports

# Principal timber regions In North America

Coastal BC  
Interior BC

Central Canada

Eastern Canada

Pacific Northwest

Lake States

Northeast US

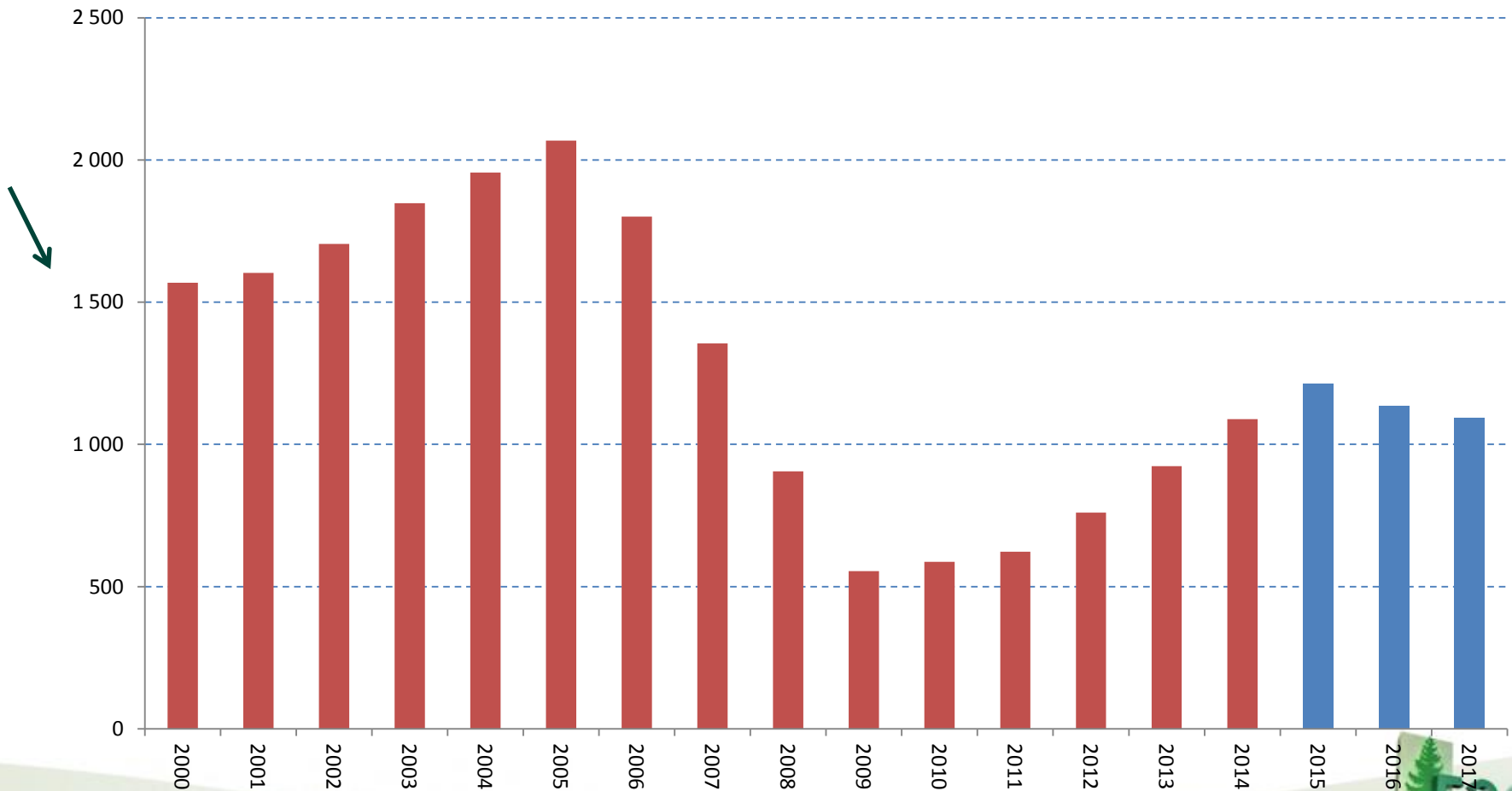
Southeast US



# Building with wood

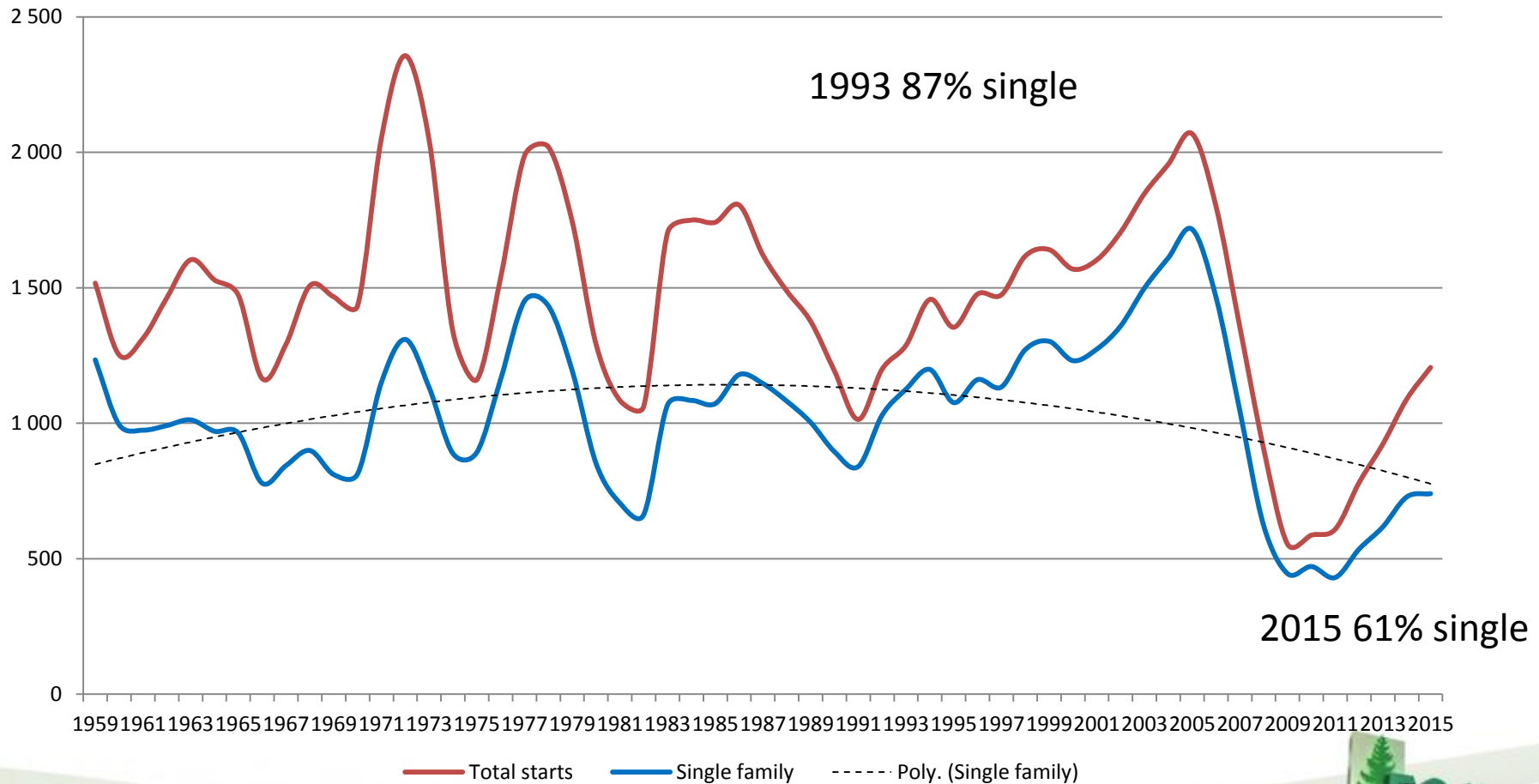


# US housing drives NA production



Source: US Census & Forest2Market

# Changing demographics of housing



# New horizons building with wood

*Framework*, a twelve story retail, office and housing project using cross-laminated timber and other engineered wood products to be constructed in Portland, Oregon



Courtesy of Edelman Public Relations

Framework, a 12-story Portland project, shared a \$3 million USDA tall wooden building design prize. It will be built using cross-laminated timbers.

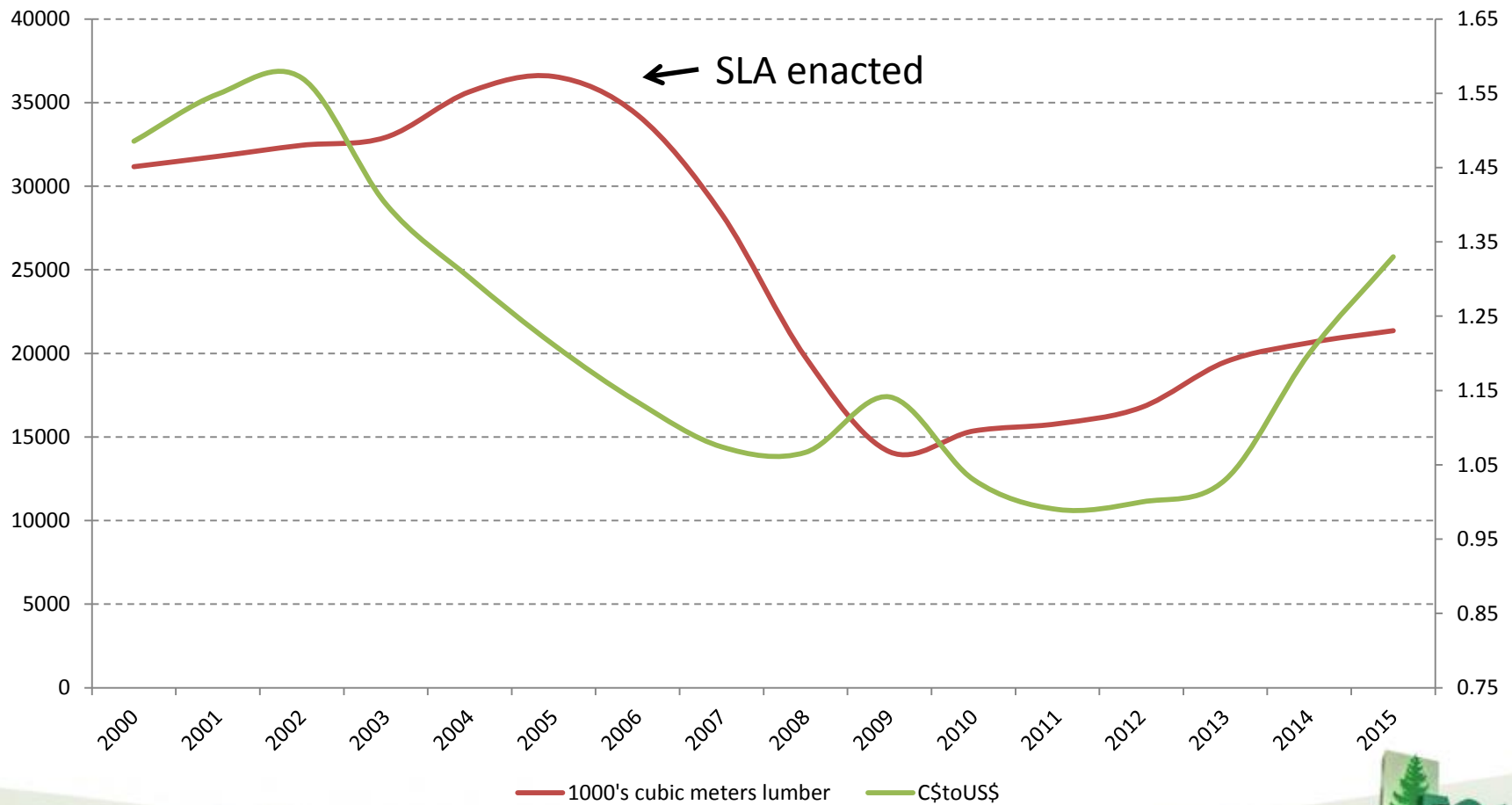
**Wooden high-rise  
in Portland shares  
\$3 million USDA  
design prize**



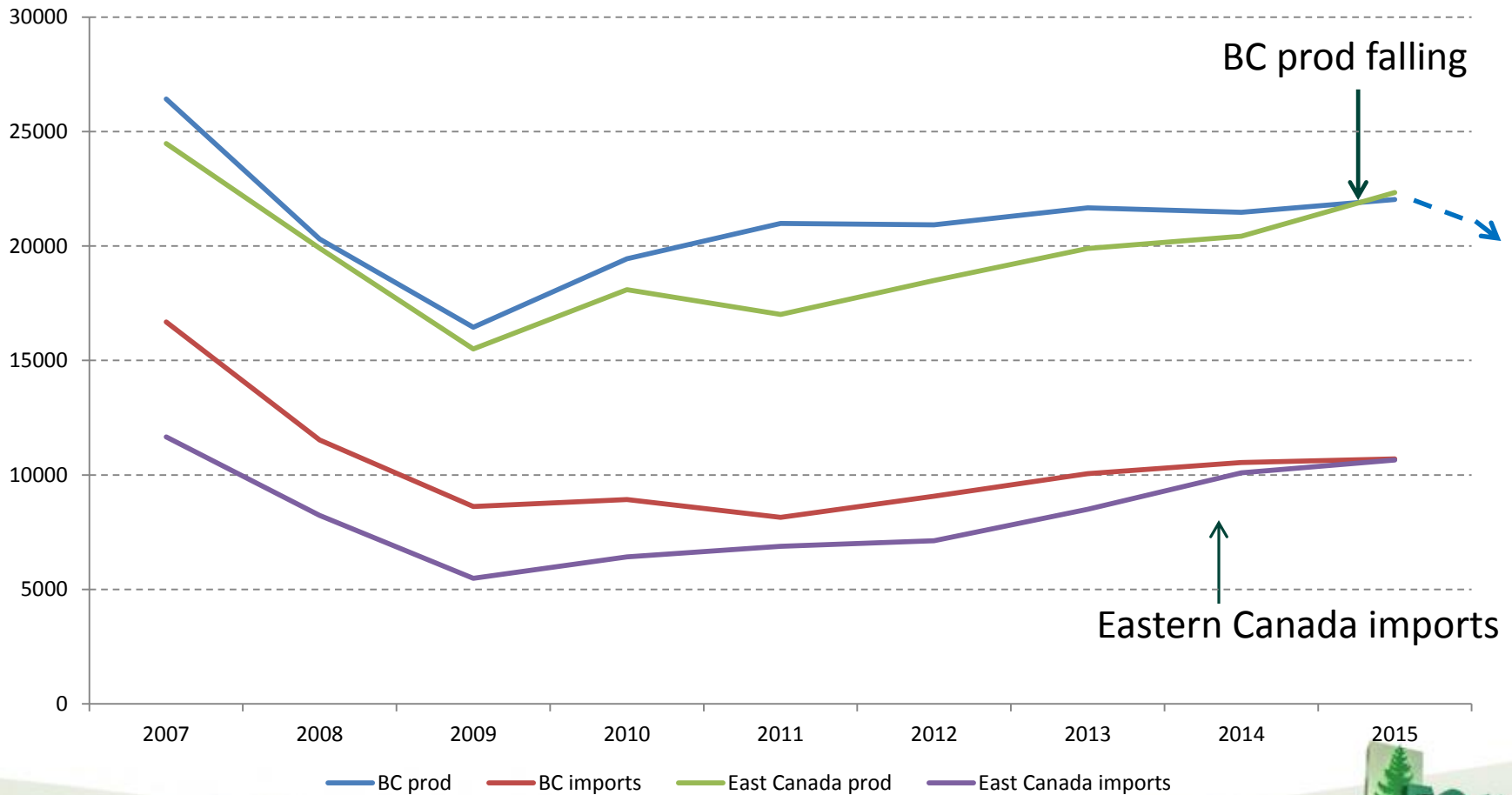
# Canadian forest industry



# Canadian softwood lumber imports to US



# MPB leads to Canadian lumber decline



# 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 are 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
- A "sticky wicket" as they say!

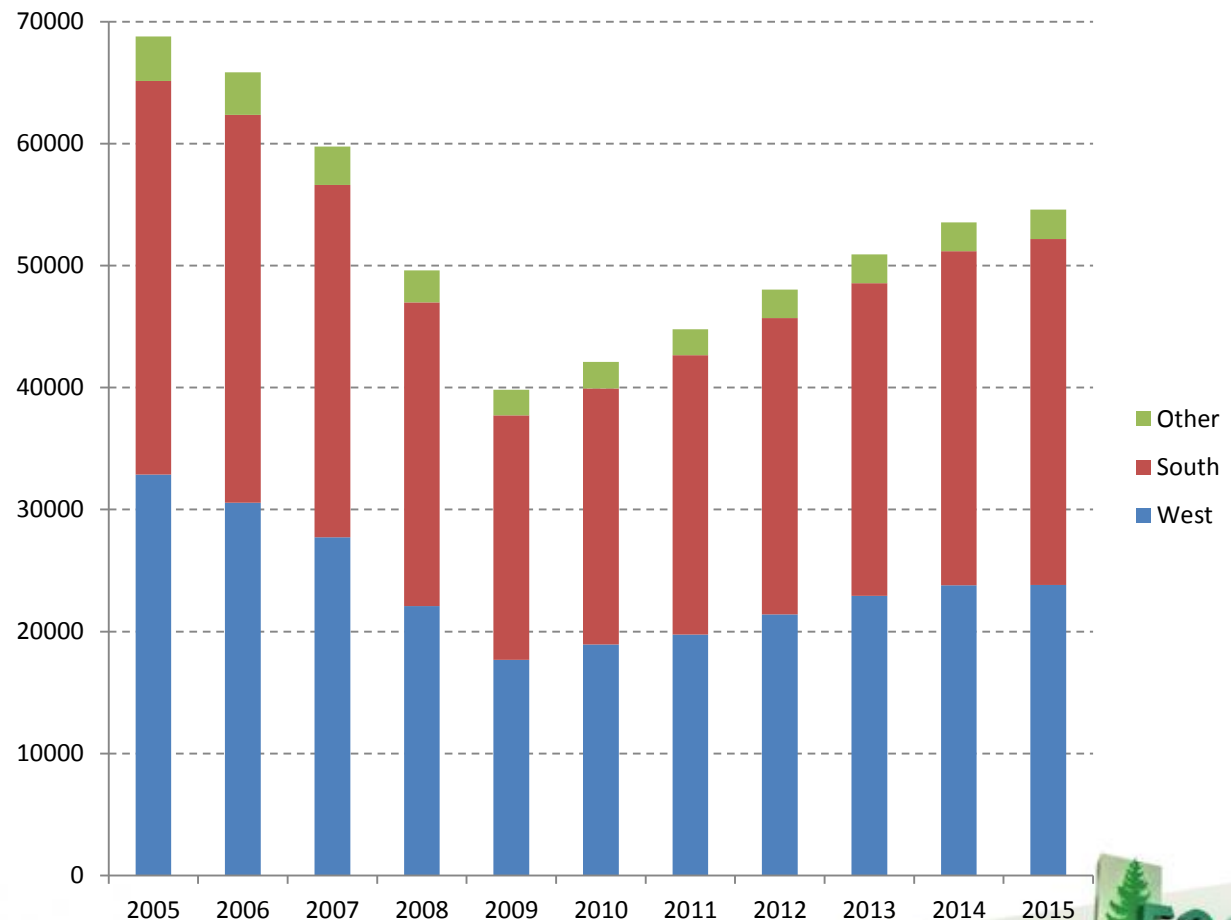


# US industry outlook



# US softwood lumber production

- Western share of national softwood lumber production is declining
- Major western sawmill closures in 2015
- West Coast timber supply constrained
- Southern pine share of lumber production (52%) is growing due to abundant low cost logs
- Canadian forest products companies investing heavily in southern sawmills
- New southern sawmill construction
- Consolidation of production capacity in all regions

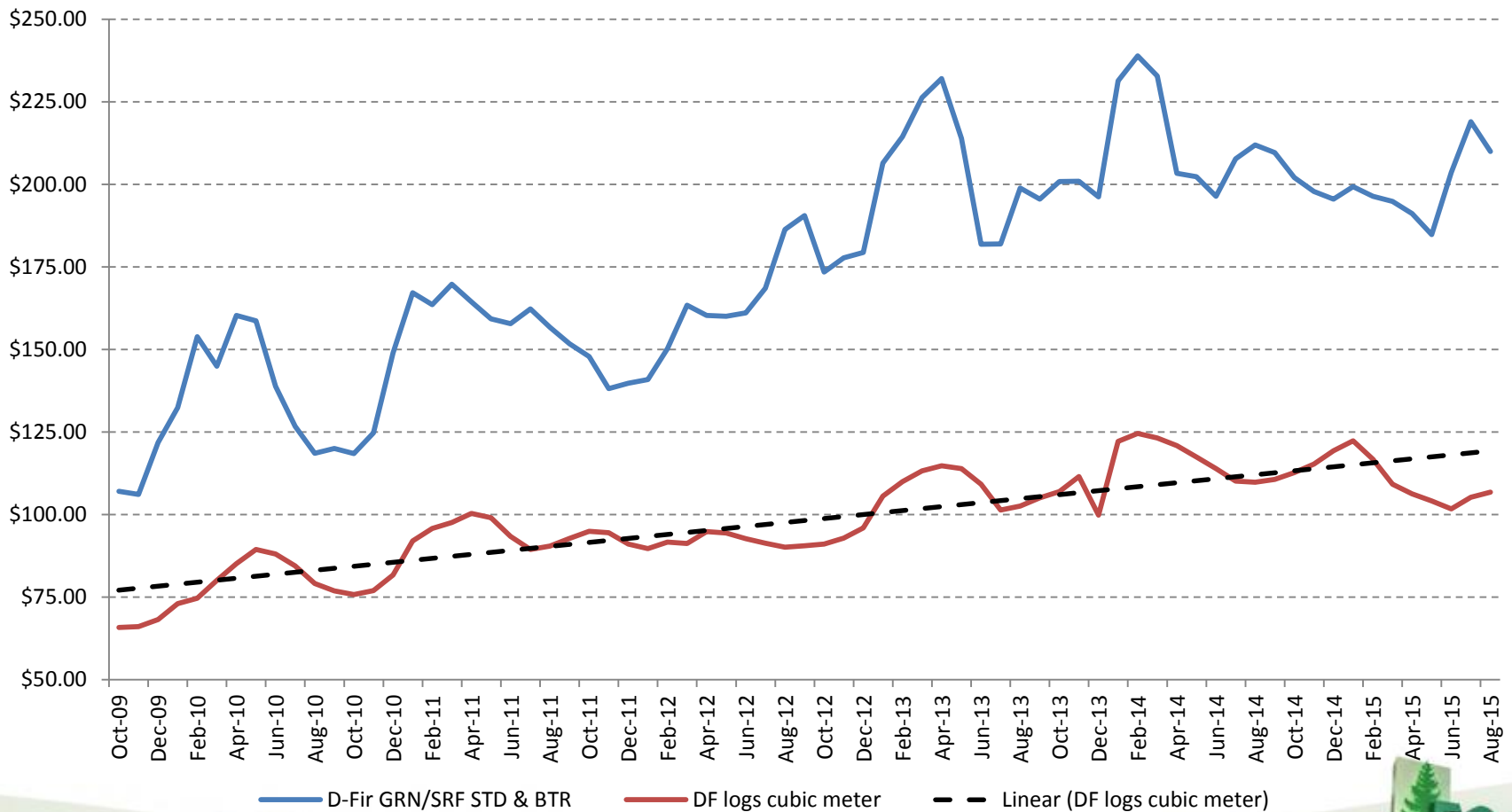




# US Pacific Northwest



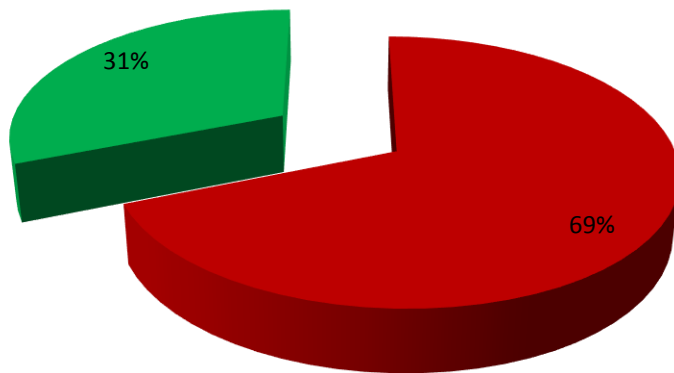
# Pacific Northwest industry margin





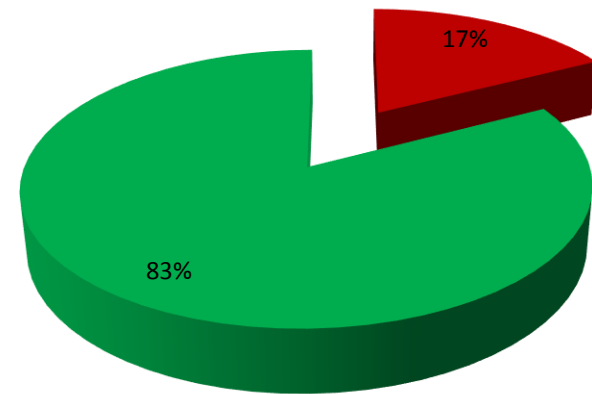
# Western Federal forests are highly regulated : harvest is only a fraction of sustainable growth

**Western US forests: 147 million hectares**



■ Gov't forests ■ Private forests

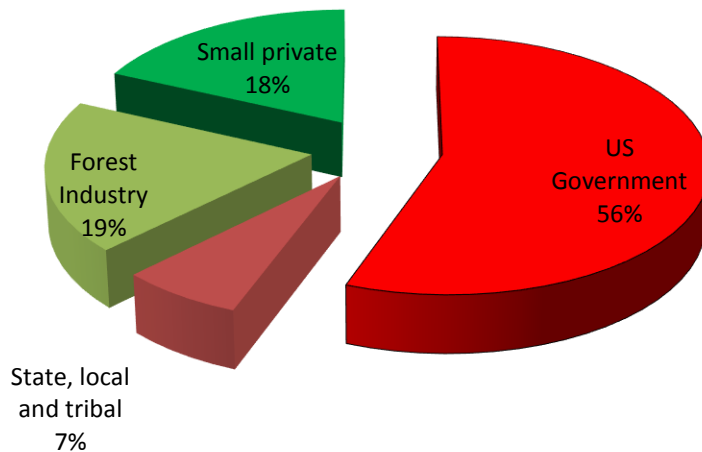
**Eastern US forests: 156 million hectares**



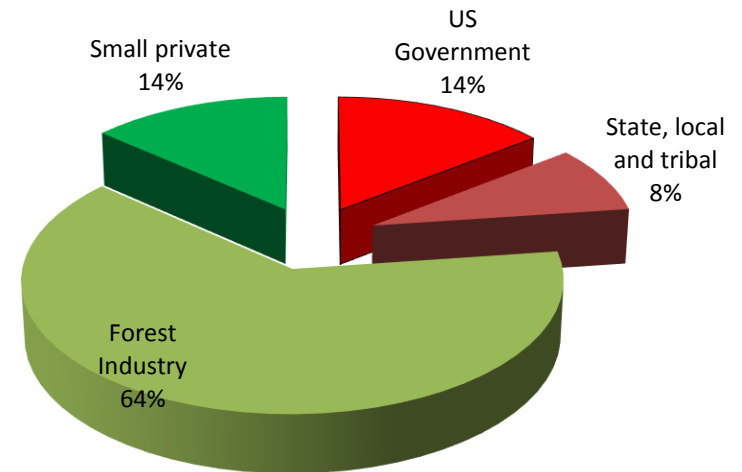
■ Gov't forests ■ Private forests

# Oregon forest owners area and harvest

## Oregon Forest Ownership



## Oregon 2014 Timber Harvest

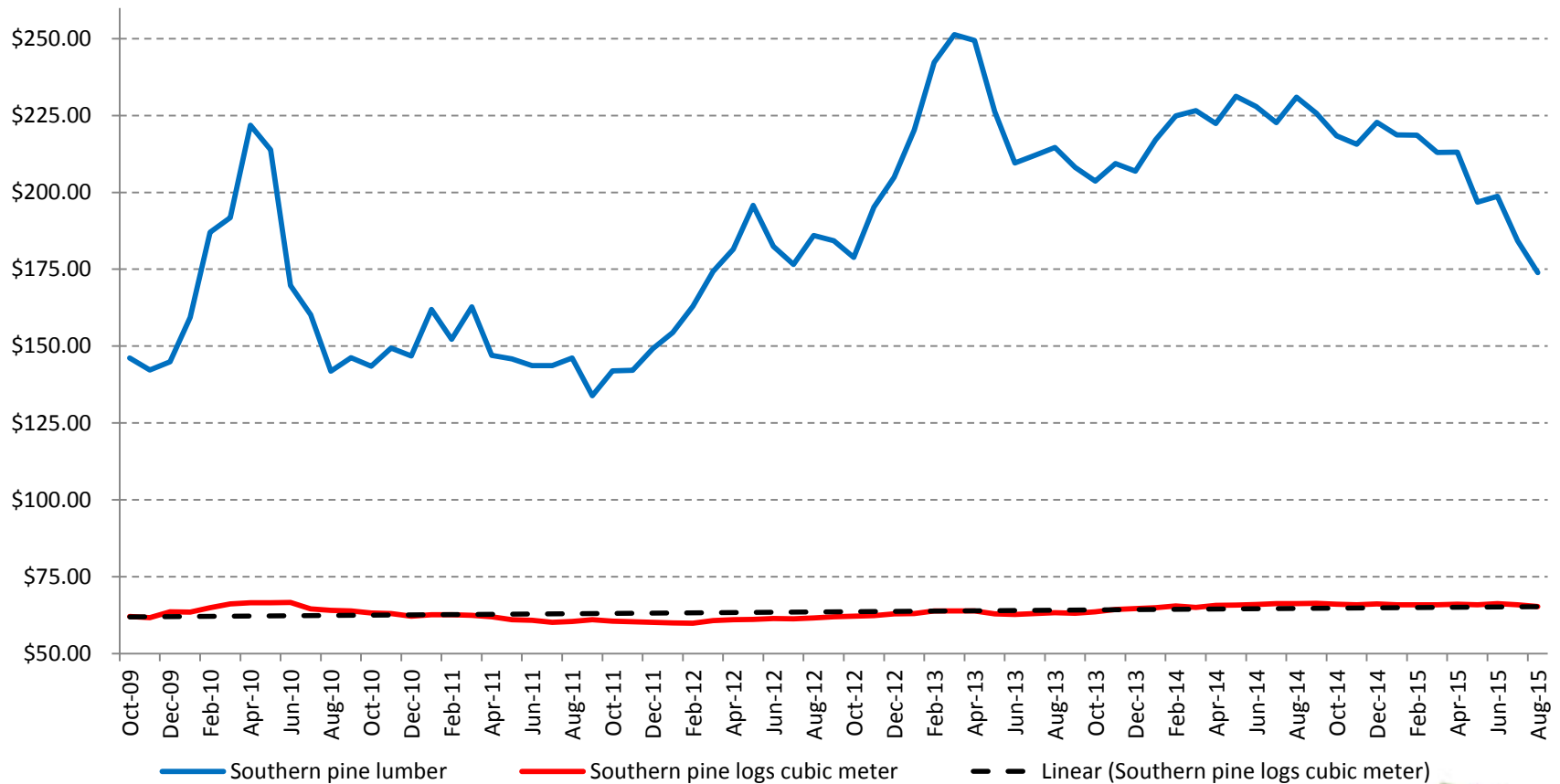


Source: Oregon Forestry Department

# US Southern pine



# Southern pine industry margin





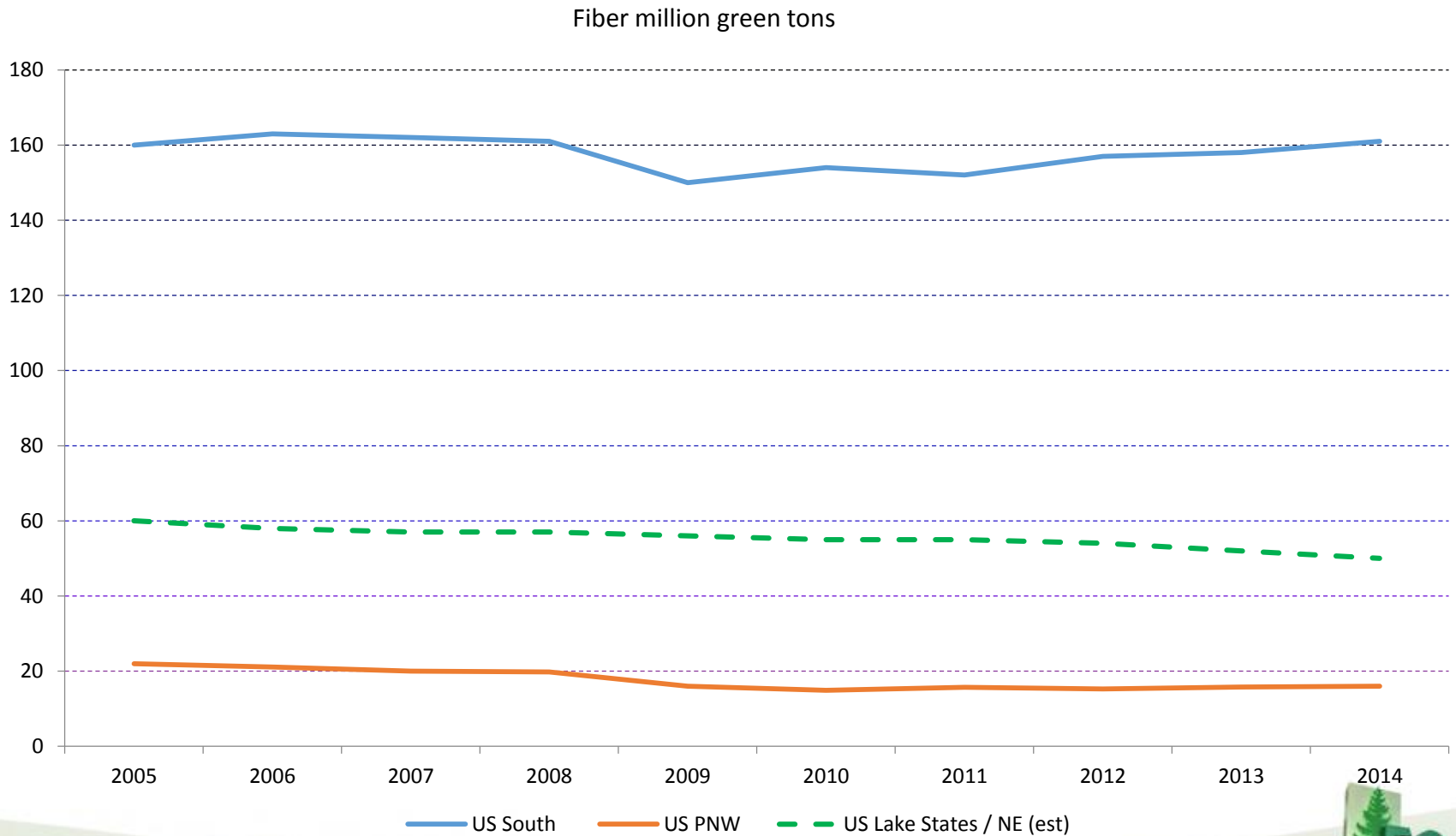
# Canadian forest industry moves south

- The Southern US pine region has abundant, low cost timber from productive, well managed private forests
- Canfor, West Fraser and Interfor; leading Canadian forest products companies hedge their bets
- 35 pine sawmills in Texas, Arkansas, Louisiana, Mississippi, Alabama, Georgia, South Carolina, North Carolina and Florida are now owned by these three companies
- 11,000,000 cubic meters of production capacity
- 30 % of Southern pine framing construction lumber production

# US pulp and paper industry

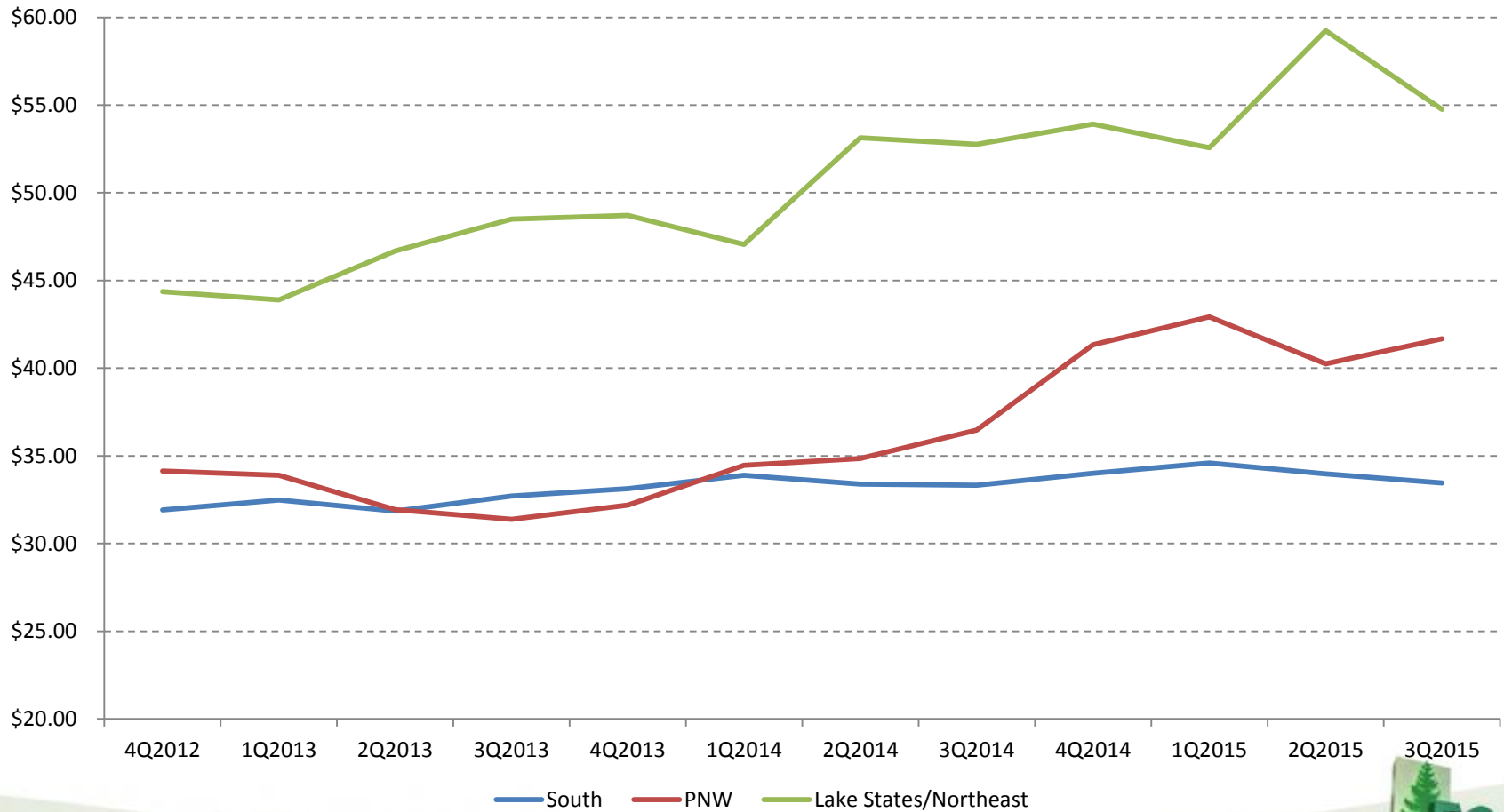


# US regional chip & pulpwood fiber usage



# Regional US pulpwood pricing

US Dollars per green ton





# NA woodchip, fiber and paper outlook

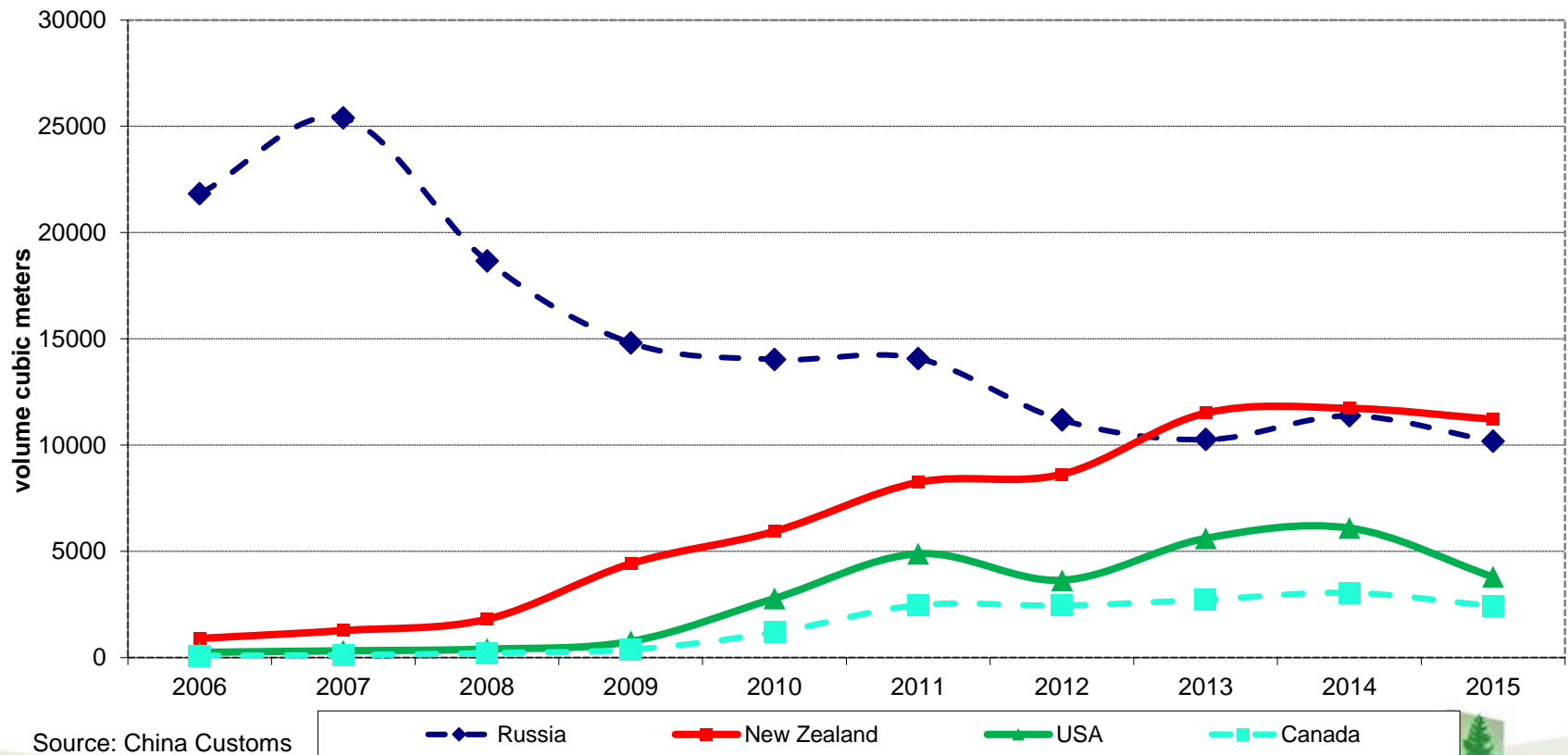
- Linerboard and packaging industry healthy
- Newsprint, coated free sheet printing and writing paper segment is suffering
- Southern operators benefit from low cost fiber and efficient mills
- Fuel pellet producers have increased capacity and competition for fiber in the South and Northeast
- Revived interest in Northwest pulp & paper operations
- Northwest faces tighter chip supply and increasing fiber cost – less available pulpwood and residual chips
- Lake States and Northeast - very expensive fiber; older, less efficient mills with declining product line at risk
- Declining harvest and lumber production due to MPB will negatively influence British Columbia wood chip supply

# Forest product exports to Asia



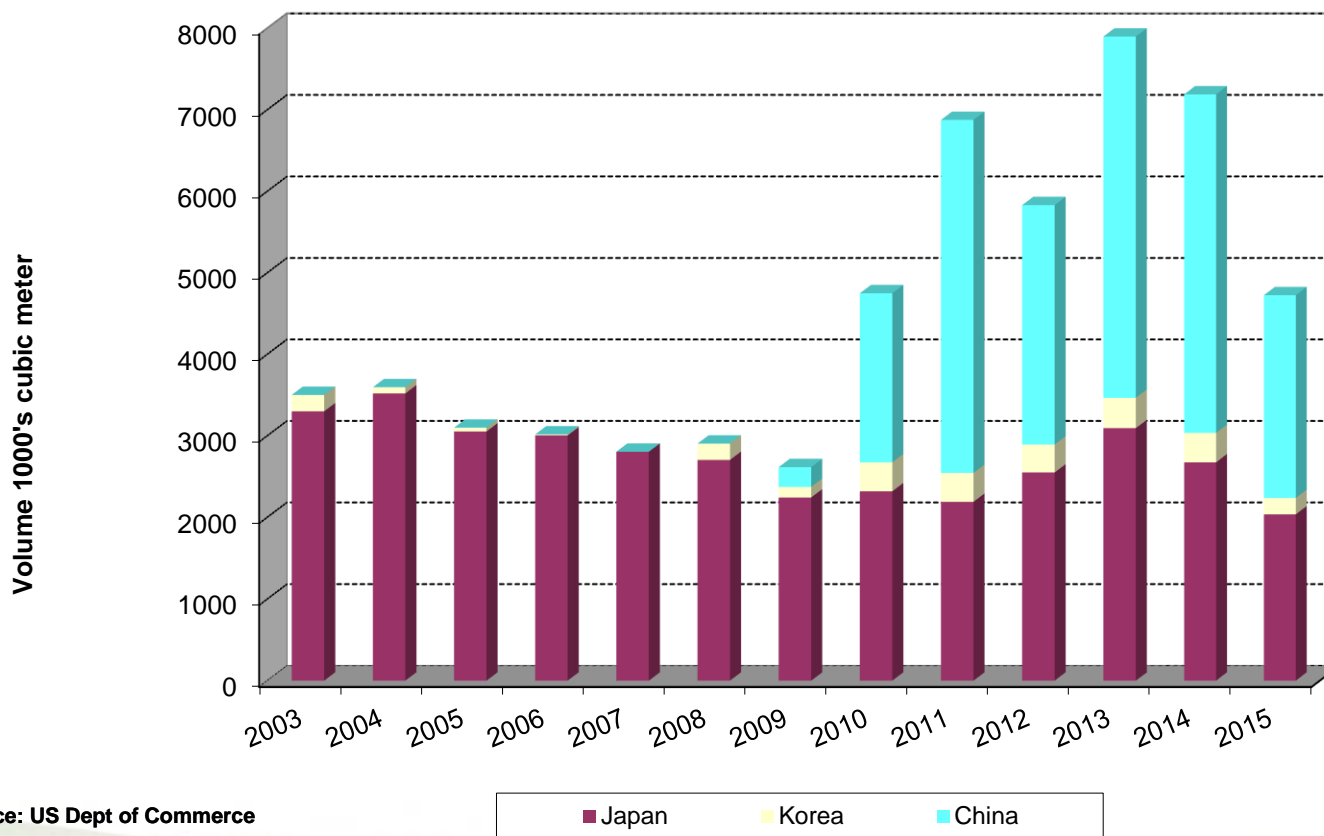
# Strong \$ benefits New Zealand loggers

China log imports by selected country



# Asian demand for US logs slowing

Northwest Log Exports to Asia - Breakbulk Volume

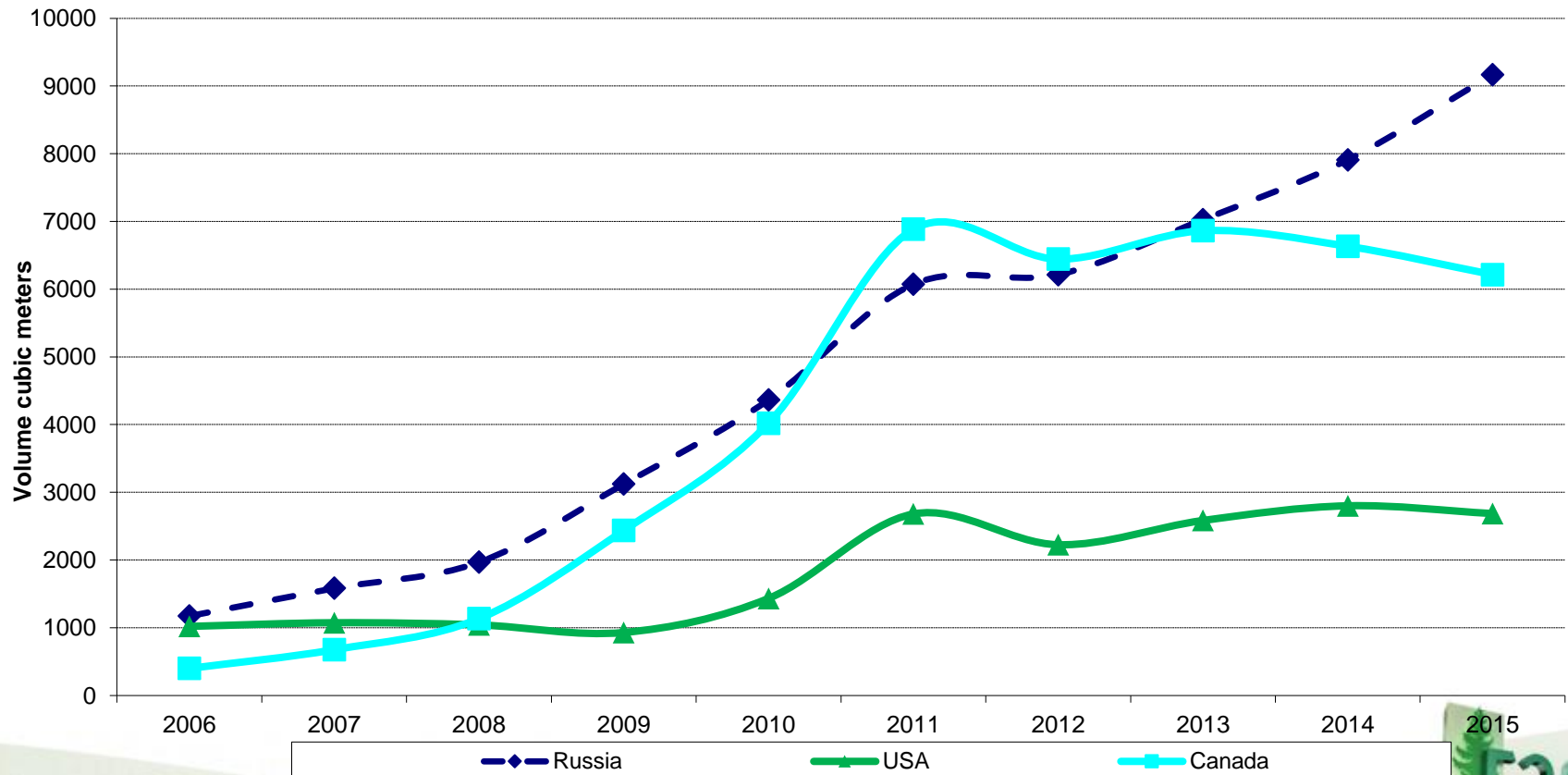


Source: US Dept of Commerce



# Canada no longer leading Chinese supplier

China lumber imports by selected country



Source: China Customs

# Concluding thoughts

- Soft recovery for US housing market
- Multi-level building with wood
- British Columbia production declining
- Growth for Southern US pine industry
- US linerboard, packaging business is strong
- Strong US \$ influence on wood imports & exports
- China's demand for wood products is slowing
- South American imports: productive plantations, modern pulp and panel mills, Asia and US \$ ?

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

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# Merci vielmal!

