

International Markets Impact on the Southeast

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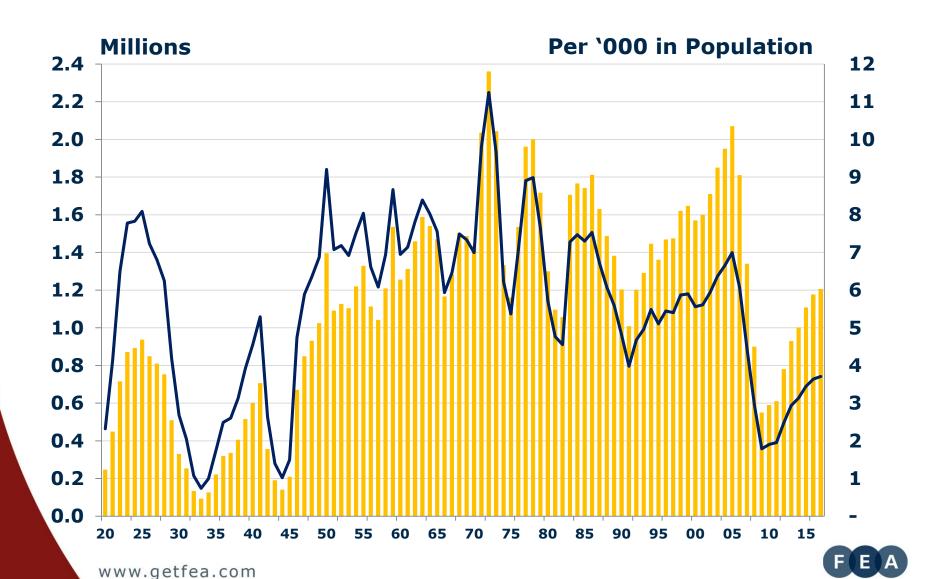


Presentation Topics

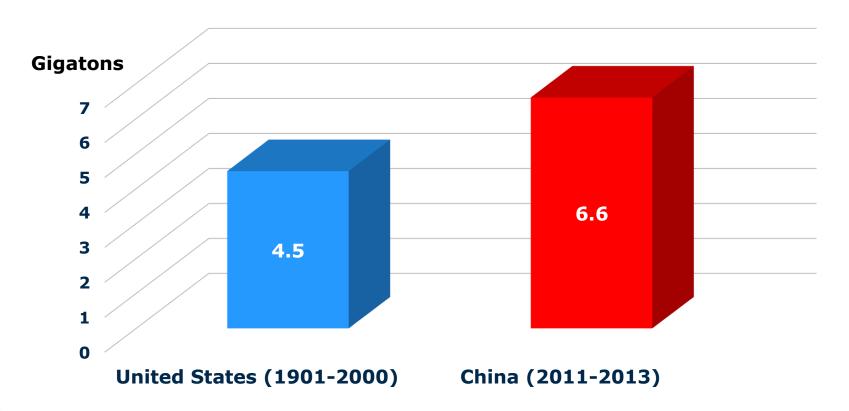
- Review of the megatrends that have shaped international forest product markets over the past ten years
- Discuss how developments in international markets have impacted the South's industry
- Provide some thoughts on expectations on the South's role in international markets going forward



U.S. Housing Starts Fell to Near Depression Levels



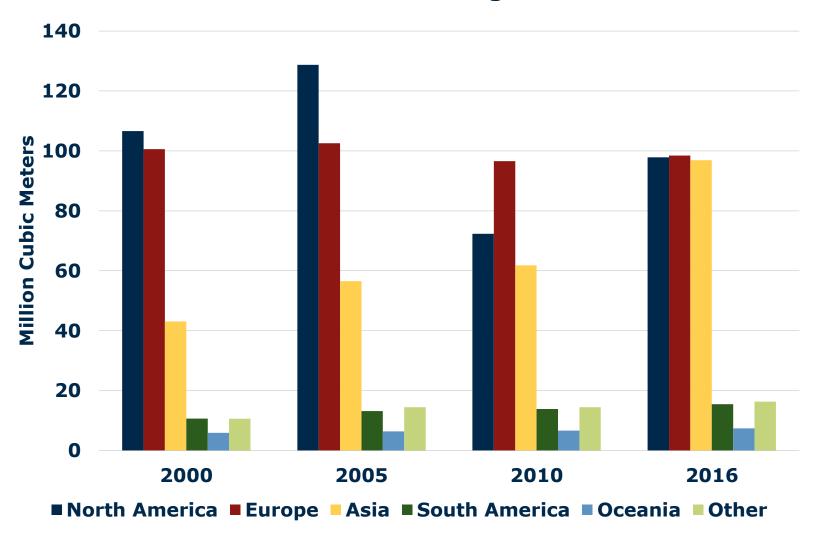
China Used More Cement in Three Years Than the U.S. did in the 20th Century



Source: Vaclav Smil, USGS, Cement Statistics 1900-2012, Mineral Industry of China, 1990-2013



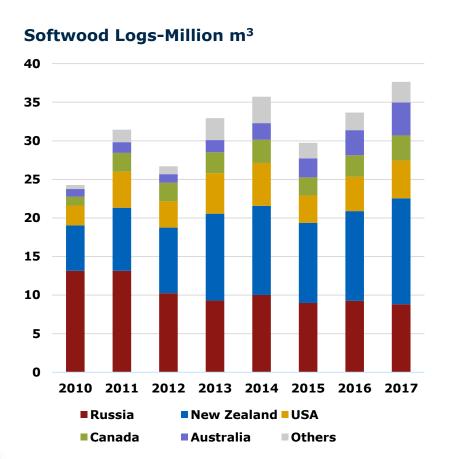
Global Softwood Lumber Consumption: Dramatic Shift in Major Markets

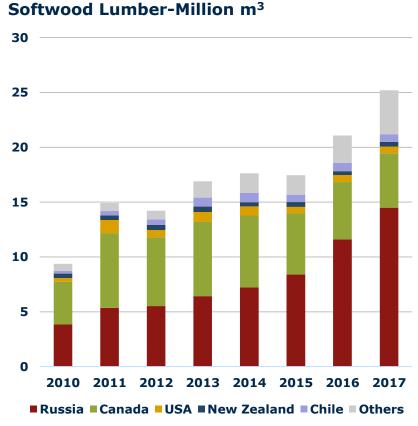


Source: Apparent Consumption, FAO



China's Demand for Softwood Log and Lumber Imports Remains Strong





Source: China Bulletin



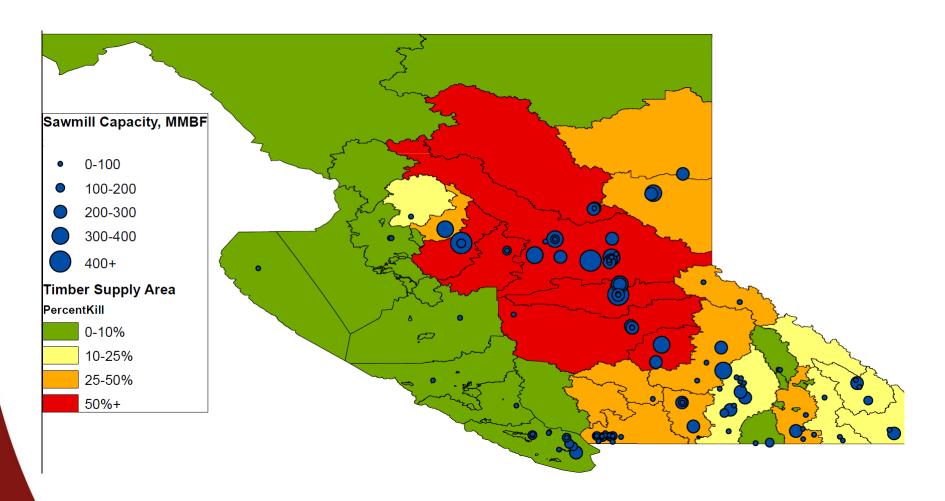
In Addition to Changes in Demand, Shifts in International Timber Supply

- Russia enacts severe log export tariff
- China's restrictions on domestic harvests

 North American timber supply constraints outside the US South



BC's Largest Sawmills are Located in Regions Hardest Hit by the Mountain Pine Beetle Epidemic



Source: BC Ministry of Forest, FEA estimates



The Decline in British Columbia's AAC Has Begun

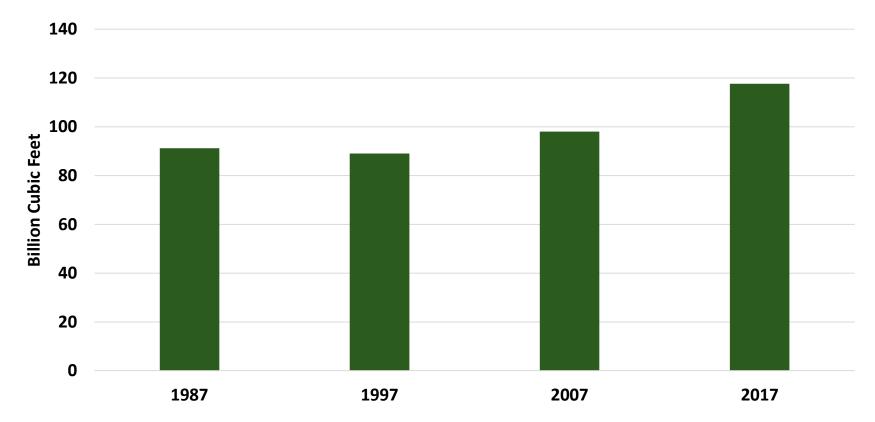
TSA	Year	Previous AAC, CM	New AAC	Difference	Lumber Tally BBF
Mackenzie	2014	3.02	4.50	1.48	0.430
Morice	2015	2.14	1.90	(0.24)	-0.070
Williams Lake	2015	5.73	3.00	(2.73)	-0.794
Kamloops	2016	4.00	2.30	(1.70)	-0.494
Merritt	2016	2.40	1.50	(0.90)	-0.262
Lakes	2016	1.98	1.65	(0.33)	-0.096
Quesnel	2017	4.00	2.60	(1.40)	-0.407
Prince George	2017	12.50	8.35	(4.15)	-1.206

Source: BC Ministry of Forests, Lands, and Natural Resource Operations; FEA estimates



Southern Softwood Inventory Levels Increasing

Private Softwood Growing Stock Inventory



Source: Forest Resources of the United States, 2017-Draft, USFS

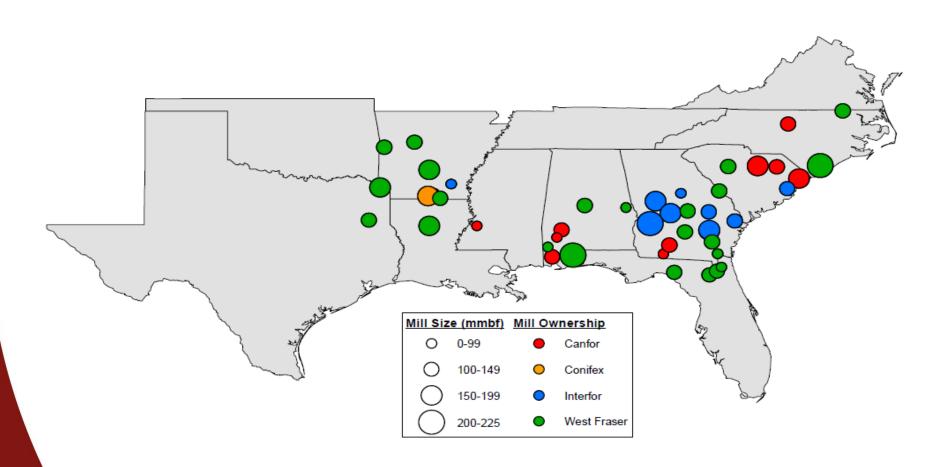


Timber Supply is Key Advantage for Forest Products Industry in US South

- The US South stands out as the North American region with available timber supply to expand output
- The timber supply in the US South is a healthy, sustainable and well-managed resource that can be harvested at competitive costs
- Output in other major producing regions will be constrained by timber supply limitations
- Expanding output in other international regions require significant time and investment



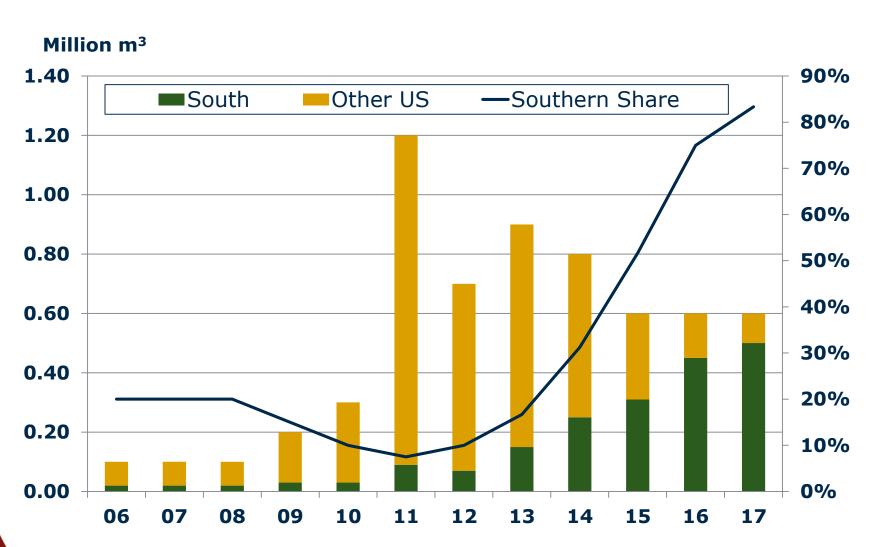
Western Canadian Companies Now Own 30% of the South's Softwood Lumber Capacity



Source: Sawmill Profiles, Forest Economic Advisors

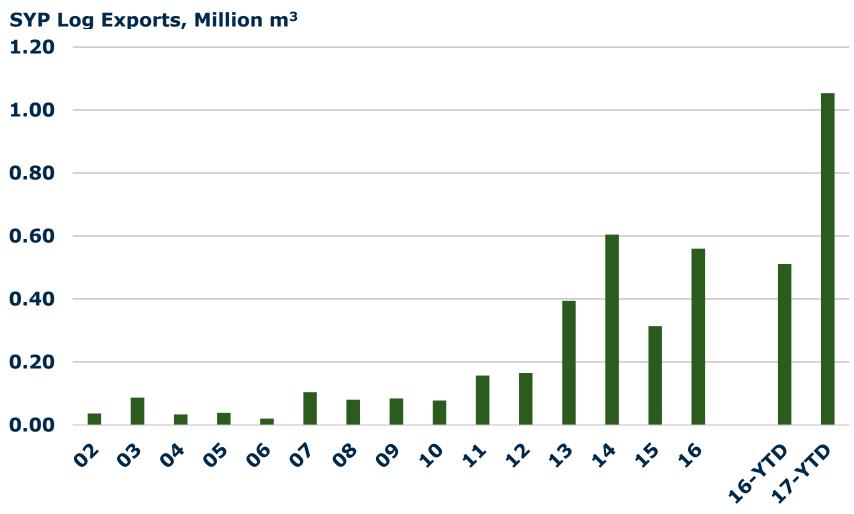


Southern Lumber Exports To China Have Been On The Rise





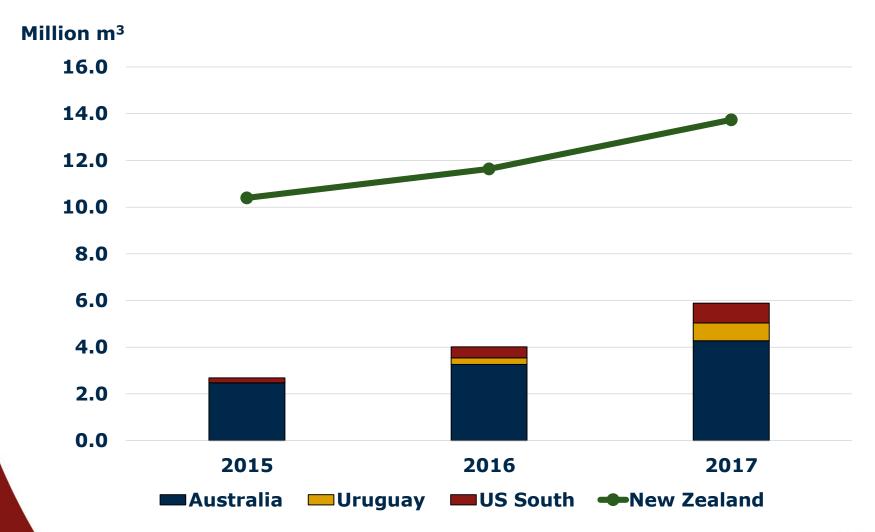
Softwood Log Exports From the US South Increasing Sharply



Note: YTD Data Through November

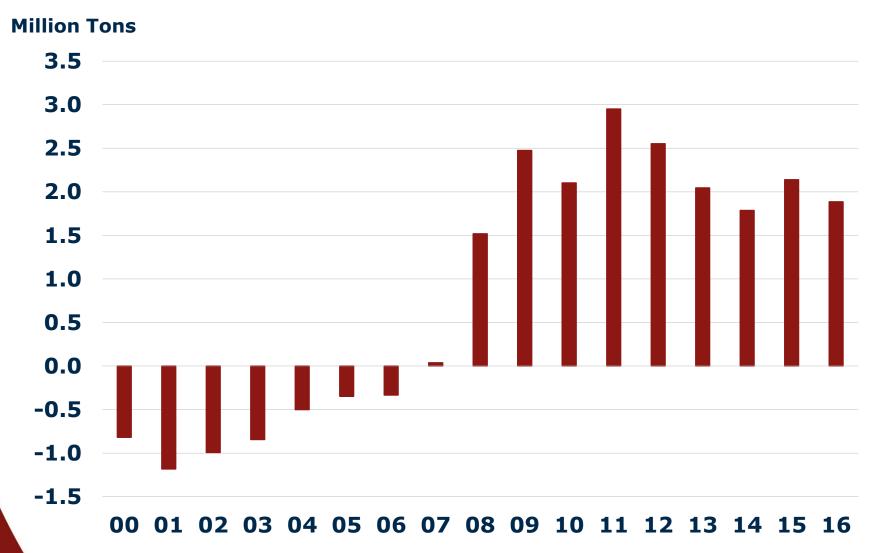


China's Source of Offshore Pine Log Imports by Source Country





US Net Pulp Exports Have Improved

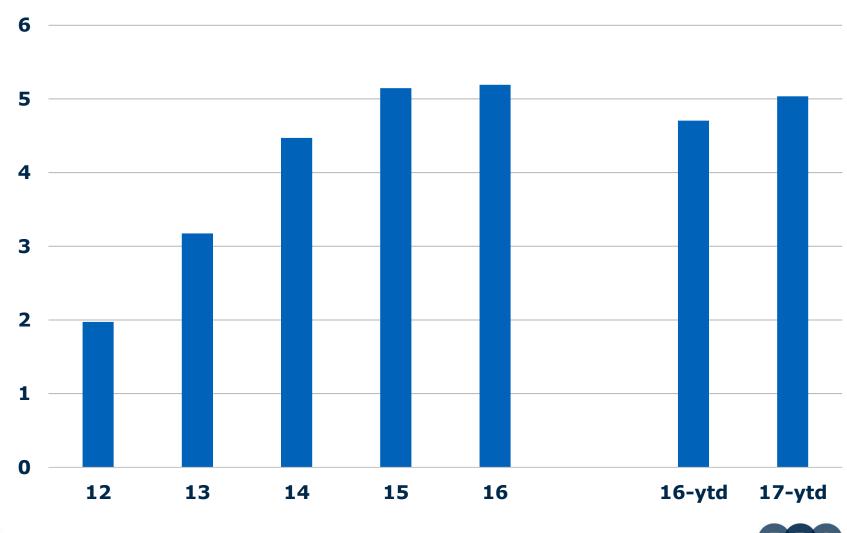




US Wood Pellet Exports

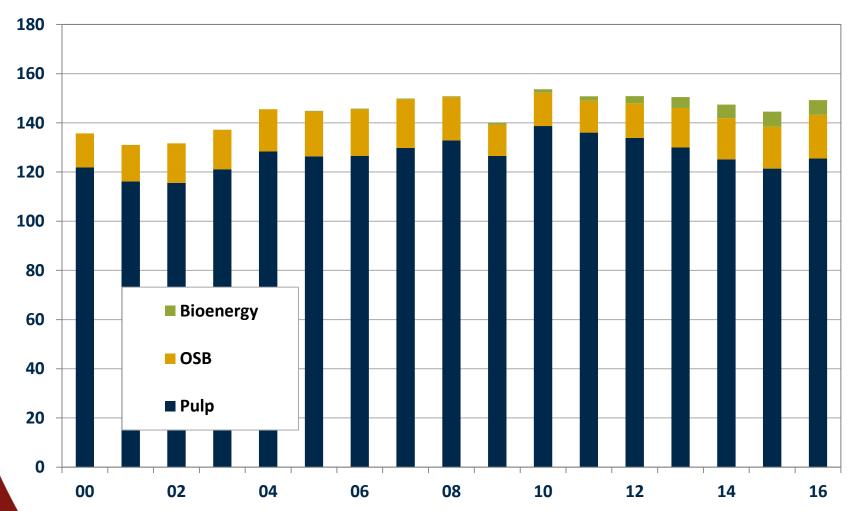
Million Short Tons

www.getfea.com



US South Pulpwood Demand

Million Short Tons



Note: Includes both softwood and hardwood pulpwood.



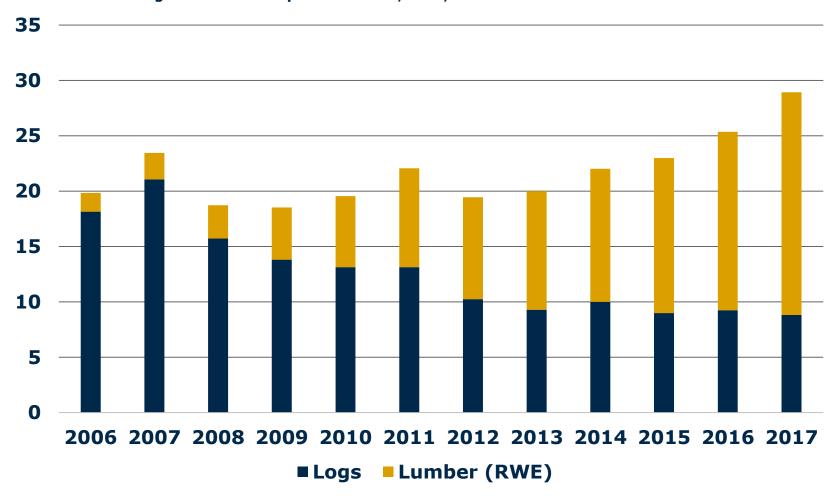
Future Trends in International Markets

- Investment in China's transportation infrastructure is changing the log/lumber supply chain dynamics in the country, with major implications for international trade.
- After years of weak consumption levels, the recovery of US domestic demand for forest products will lead to increased imports.



Russia's Role in International Forest Product Markets Rising

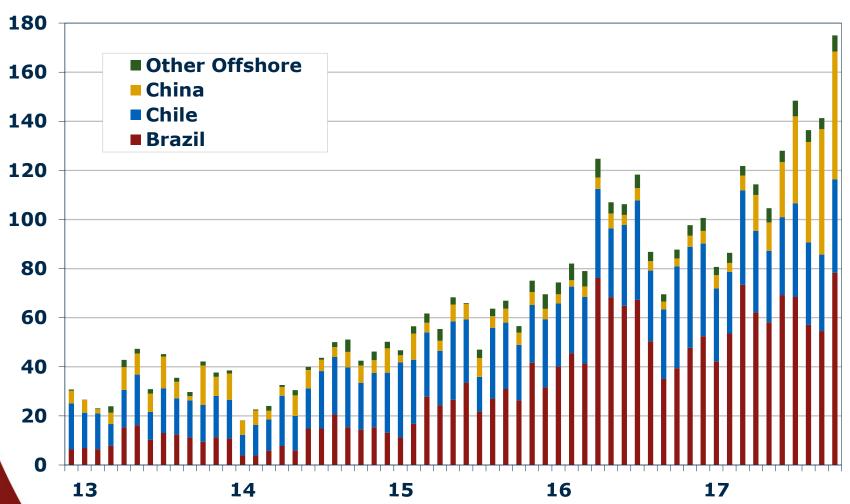
Russia Softwood Log and Lumber Exports to China, RWE, Million m³





US Offshore Softwood Plywood Imports Have Jumped

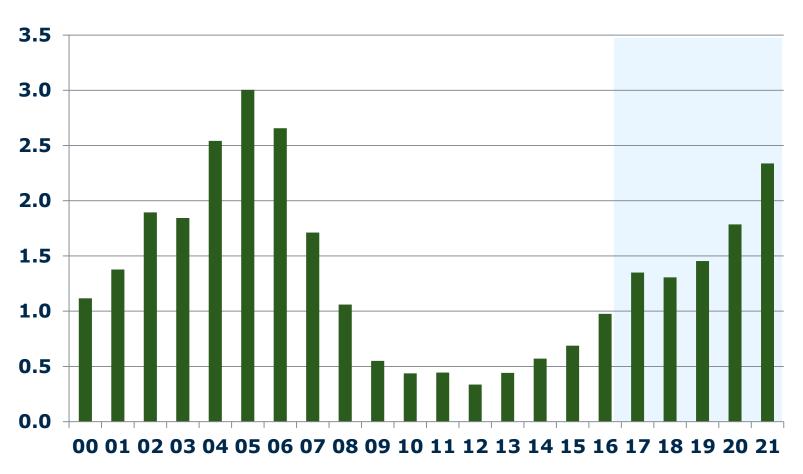
US, MMSF, 3/8-Inch Basis





North American Offshore Softwood Lumber Imports Will Surge

BBF, Lumber Tally





Key Messages

- Growing demand in regions with limited wood resources increasing international trade in forest products.
- The US South's forest product industry increasingly operating in international markets.
- The South's competitiveness in international markets benefits from relatively low wood costs and increased supply from a well-managed timber resource.
- Looking forward, the continued demand recovery in the US will lead to greater international competition in the South's domestic markets.



Thank you

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