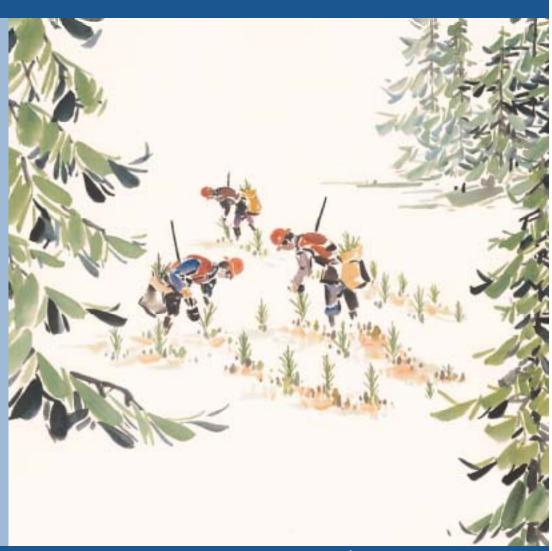
2009 WFE Meeting

May 5, 2009

Lynn Michaelis

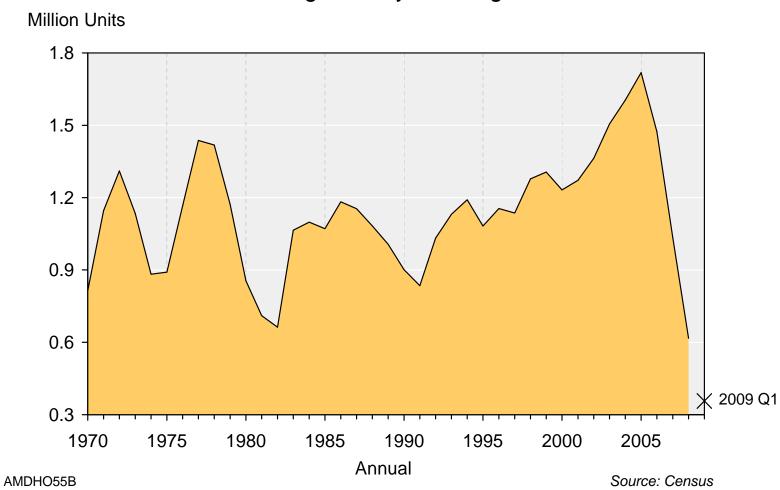




My history: The pathway to forecasting humility! 2009



U.S. Single-family Housing Starts



Discussion topics for today



- Understand what happened: unique situation
- Prospects for national starts: slow rebound
- Long term outlook: very optimistic

Became concerned about hidden inventory

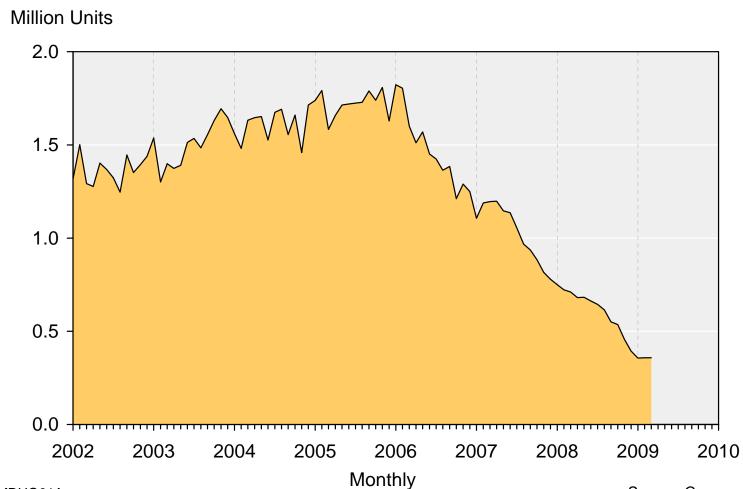


- Started to ask management to think about what if scenarios in 2004
- Each year became more concerned about the "hidden inventory" and a housing price bubble
 - Investors
 - Buyers that would not

Fell even further than low scenario



U.S. Single-family Housing Starts (Seasonally Adjusted Annual Rate)



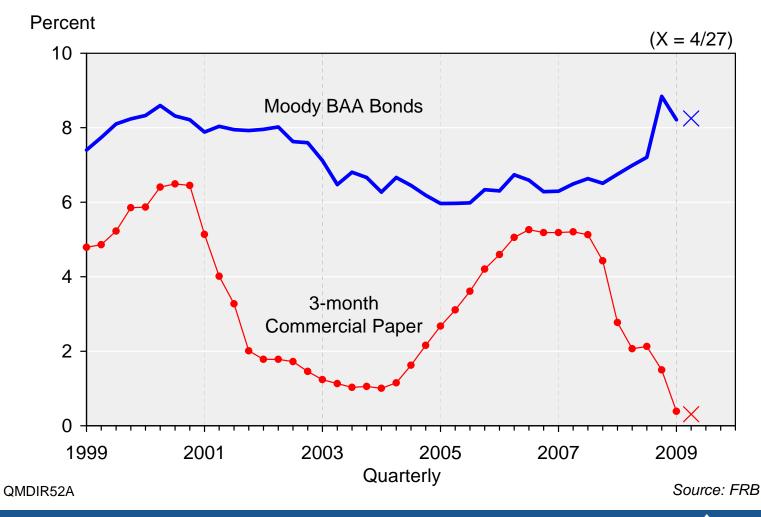
Source: Census

MMDHO01A

Federal Reserve actions were crucial to the "bubbles"





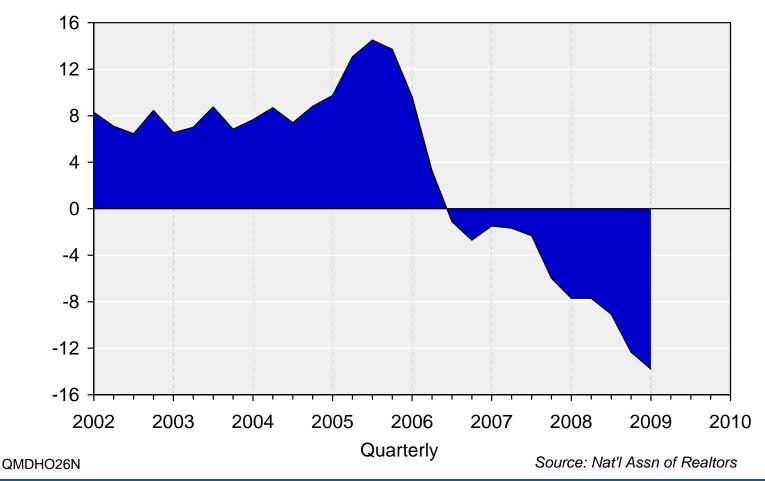


Decline in home prices triggered financial crisis but was just the tip of the iceberg



Growth in Median Price for Existing Single-family Homes

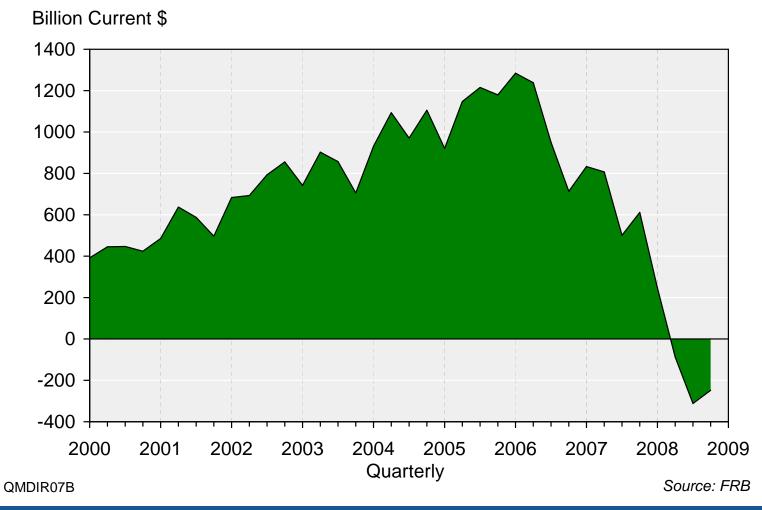
% Change Year Ago



Boom/bust in mortgage flow



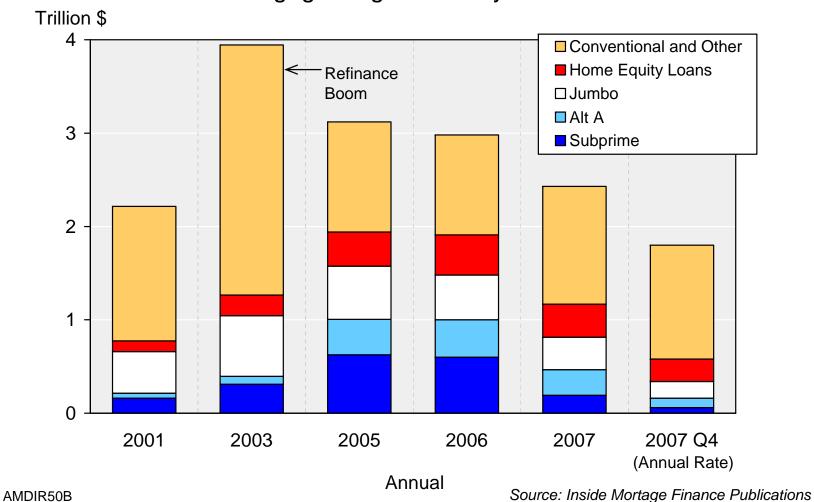
Net Flow of Home Mortgages (Seasonally Adjusted Annual Rate)



Quality fell rapidly to sustain high level of placements



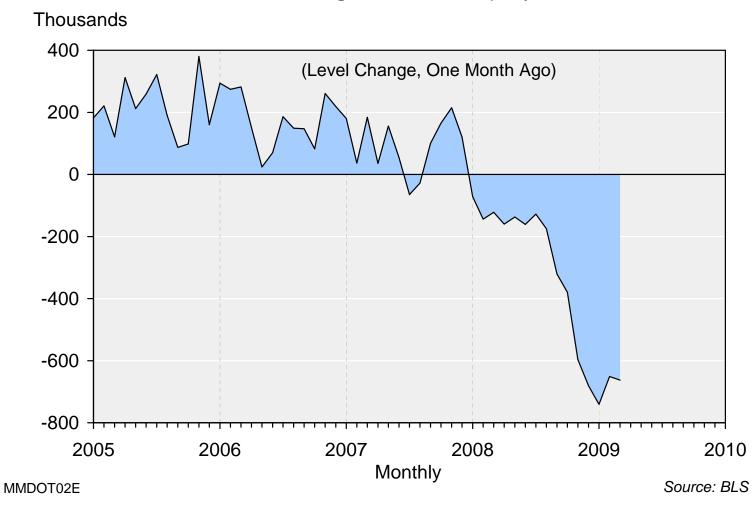
Mortgage Originations by Product



Job losses accelerated in second half



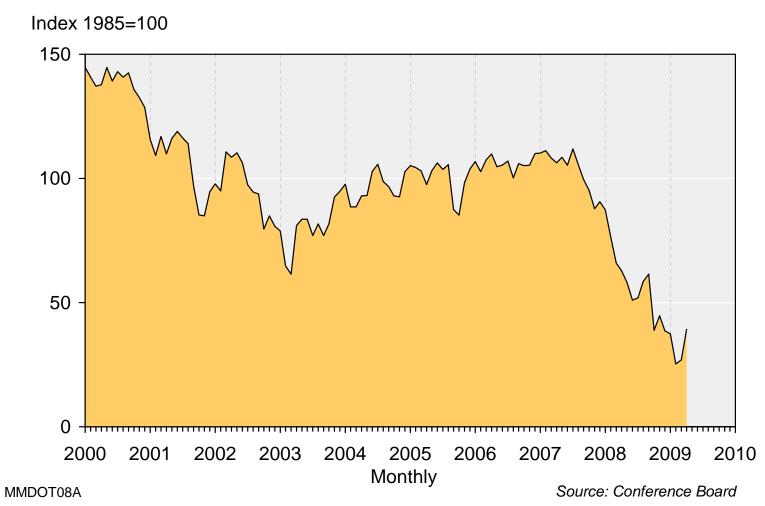
Level Change in U.S. Non-Agricultural Employment



Pushed consumer confidence to record low



U.S. Consumer Confidence



Problem this time: finding source of turnaround Hay 2009



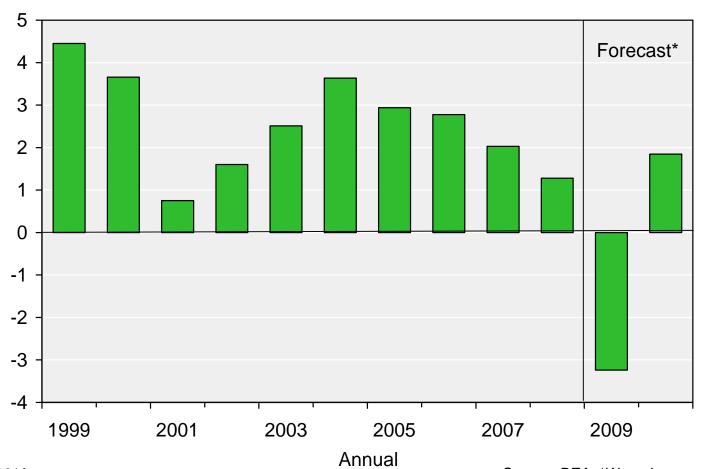
- Usual interest rate-sensitive sectors will not respond as usual
 - Durables: Autos, furniture, etc.
 - Housing starts—single or multi family
 - Non-res construction—lagging more than usual
- Net exports is still a hope, but...
 - Rapid drop in global growth
 - Plus rebound in dollar value—important to lumber, OSB and pulp

Worst recession since 1982—still downside for this year



Growth in U.S. Real GDP

Percent Change



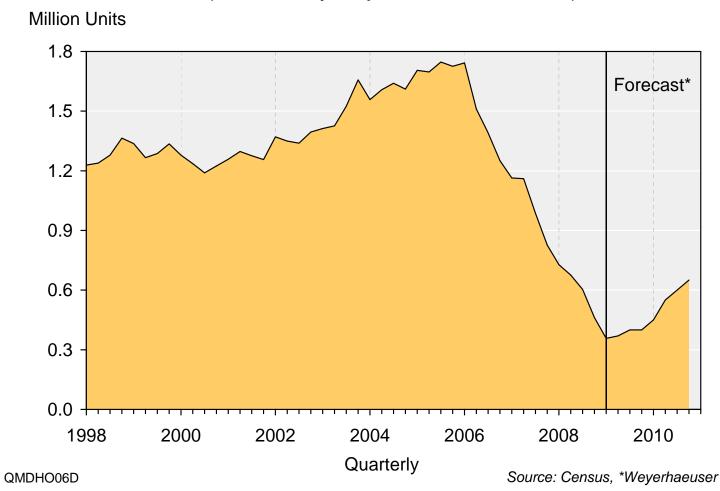
AMDGA01A Source: BEA, *Weyerhaeuser



Turning to key driver for wood products



U.S. Single-family Housing Starts (Seasonally Adjusted Annual Rate)

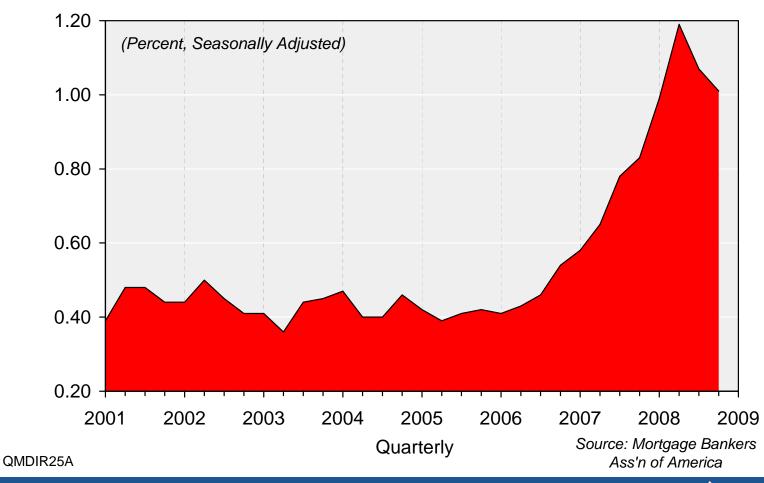


Reason #1: Foreclosure drive prices lower and add to inventory of unsold units





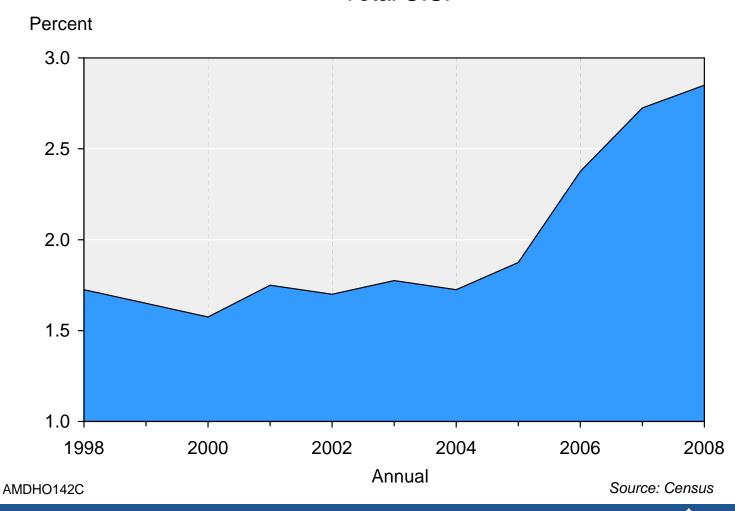
Foreclosure Started During Quarter All Loans



One input to our housing outlook: Vacant units May 2009



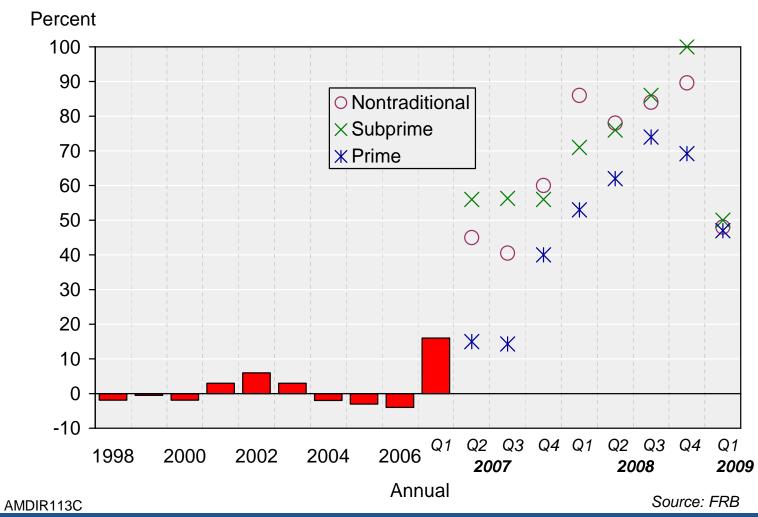
Vacancy Rate in Homeowner Units Total U.S.



Reason #2: Lending standards limit potential buyers



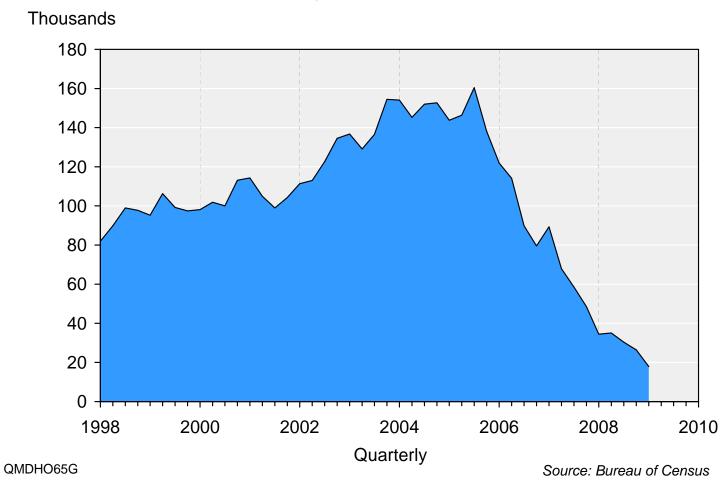
Net Percentage of Banks Tightening Standards for Mortgages



California housing: primary event for western lumber



Single-family Building Permits for California (Seasonally Adjusted Annual Rate)

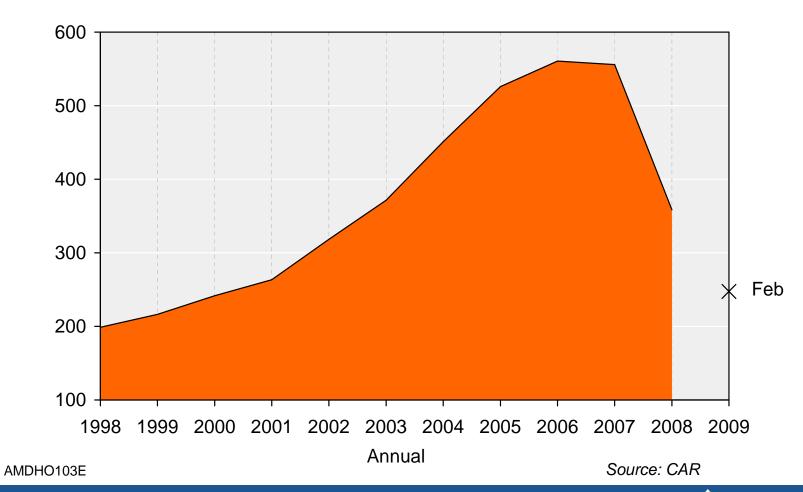


Housing prices are now back to 2001 levels



Median Existing Home Price for California

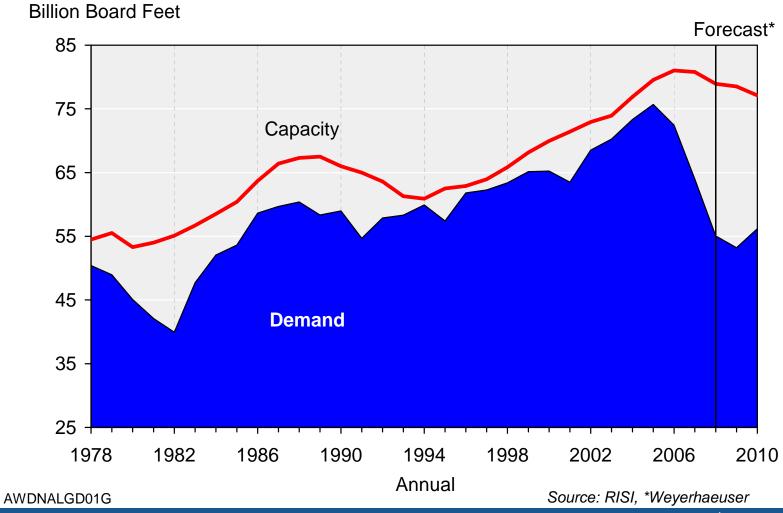
Thousand \$



Bigger and steeper drop than in 1979-82 cycle



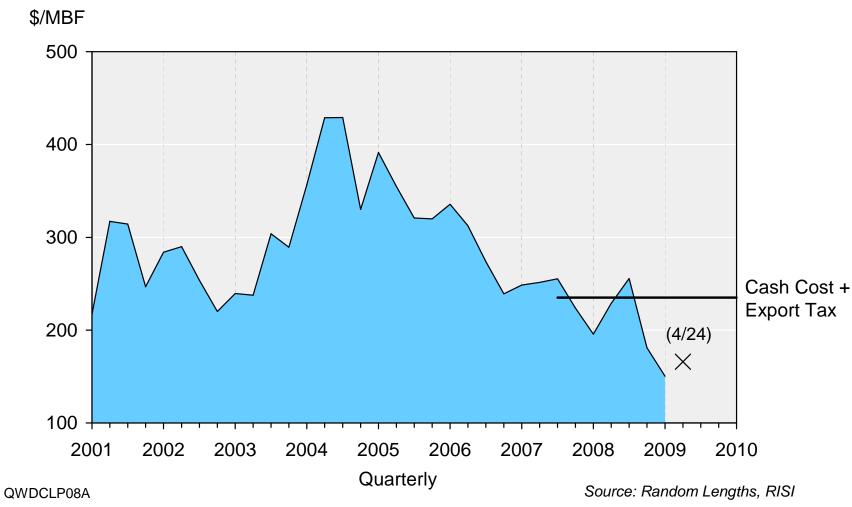
Demand on North American Lumber Mills vs. Capacity



Prices fell below cost support again



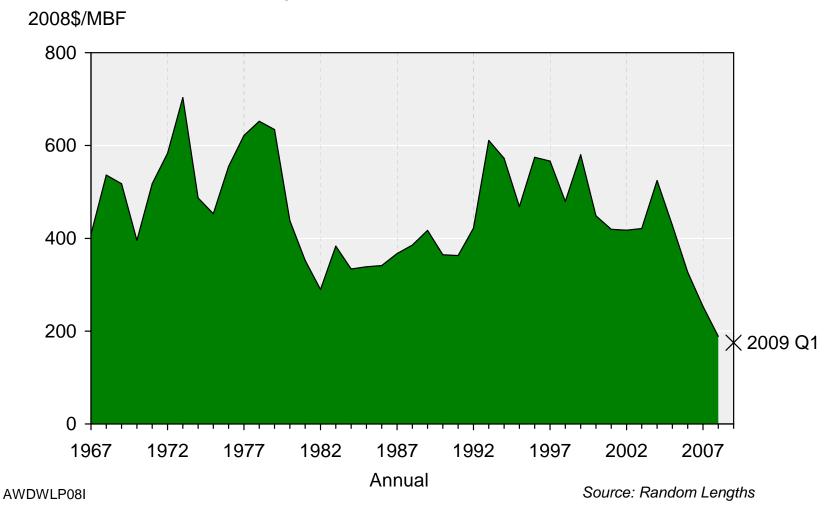
Spruce-Pine-Fir 2x4 Mill Price



Drove Western lumber prices to lowest prices in 40 years adjusted for inflation May 2009



Real Douglas Fir 2x4 Green Lumber Price

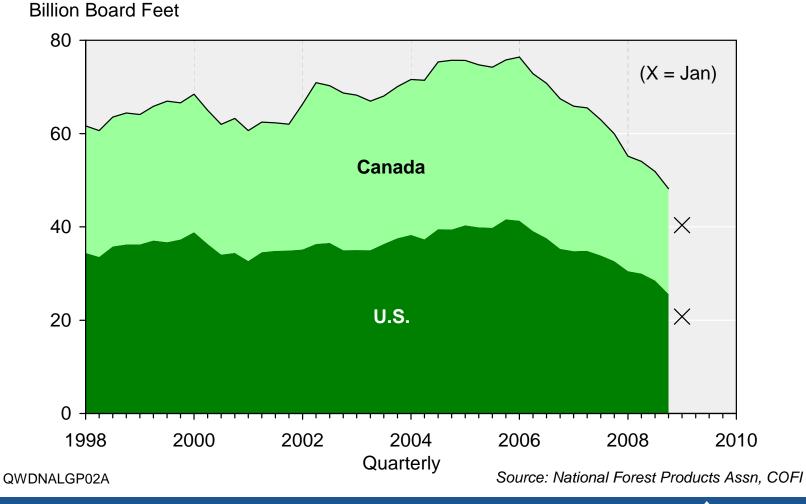


Canada has taken most of curtailment so far



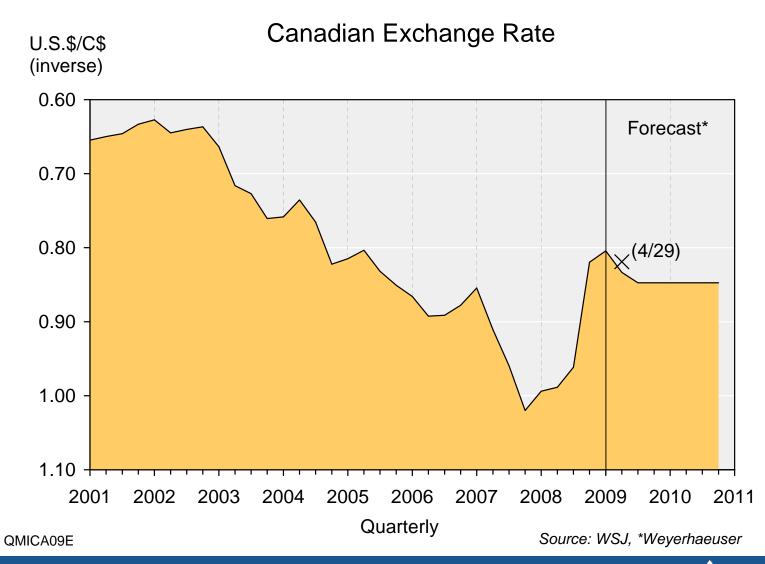
N.A. Lumber Production (SAAR)





Expect C\$ to hold or strengthen in 2009





For average mill to breakeven, need \$41/mbf price

May 2009



Production Costs and Margins for an Average B.C. Interior Mill

	Q1 2008	Q2 2008	Feb 2009
Cash Costs in C\$**	209	223	216
Cash Costs in U.S.\$**	209	214	173
SPF 2x4 Price*	195	256	152
Less Export Tax	25	33	20
Mill Net	170	222	132
Implied Margin for Avg. Mill	(39)	8	(41)

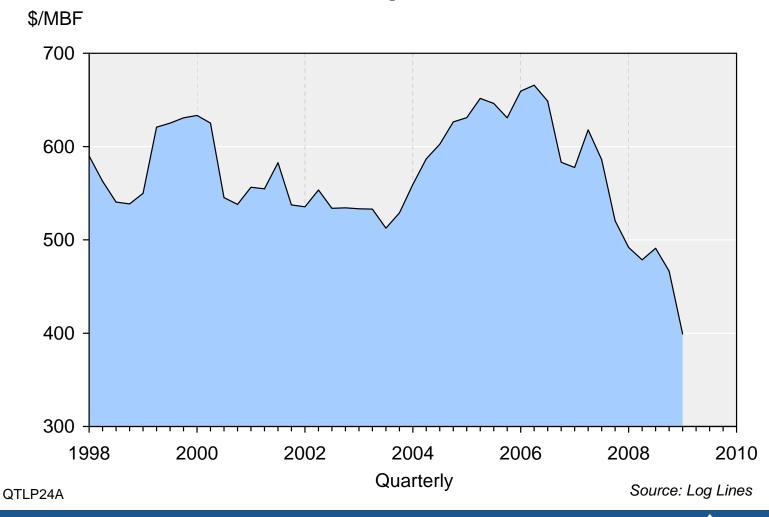
^{*}Random Lengths

^{**}Based on RISI Survey – Average B.C. Mill

Log prices held-up until recently—now in line with DF green 2x4 at \$160/mbf



Douglas Fir Domestic #2 Log Price

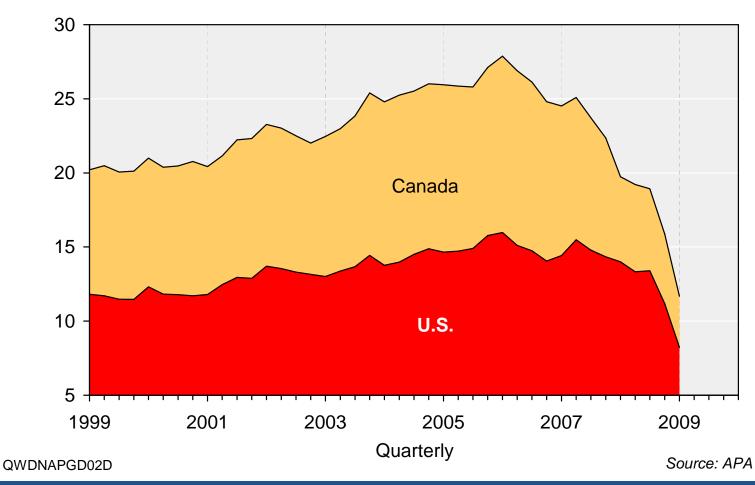


Collapse in demand, but hit Canadian production very hard



N.A. OSB Production (Seasonally Adjusted Annual Rate)

Billion Square Feet



Discussion topics for today

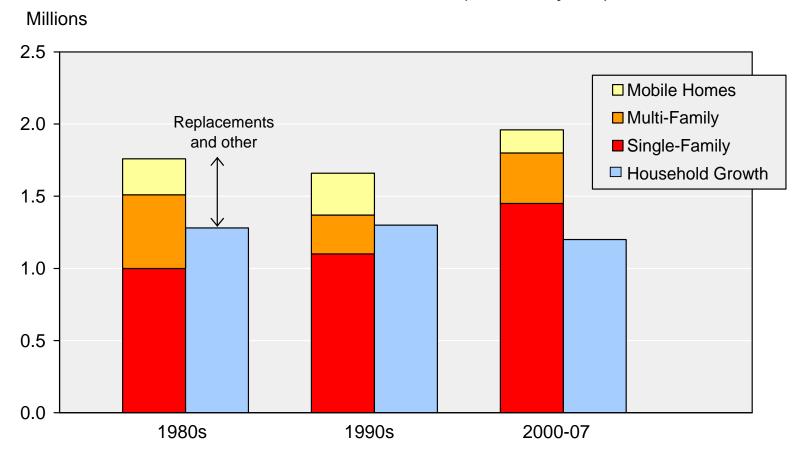


- Understand what happened: unique situation
- Prospects for national starts: slow rebound
- Long term outlook: very optimistic

May 2009

Household formations drive trend demand

Newly Built Units Added to Housing Stock vs. Household Growth (millions/year)



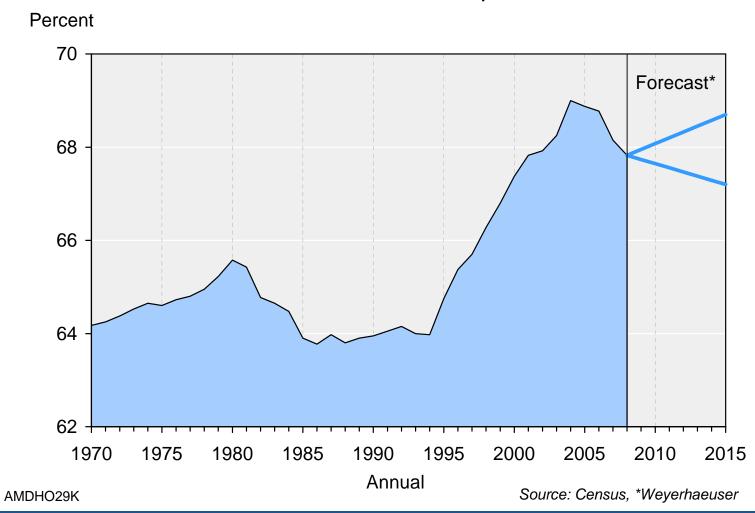
AMDHO68K Source: Census



Primary driver of single family range: where will ownership rate be in 5 years? May 2009



U.S. Homeownership Rate



Long term: industry still looks good



- Demographics, housing and structural lumber demand
- Need for Canadian imports, but lower capacity given beetle kill impact
- Very little economic competition for other producing geographies