



A Context and Strategy for Intensive Management of Red Alder

Coastal Silviculture Committee
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Craig Farnden PhD, RPF



Intensive management

Red alder....

SAY WHAT?



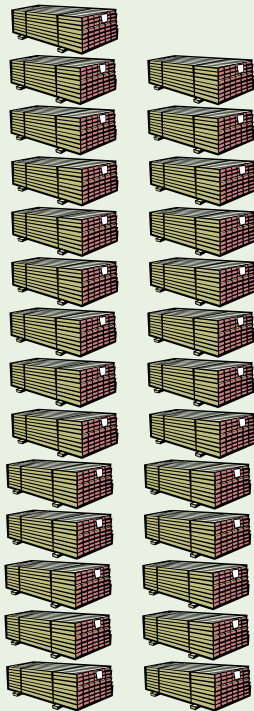
Pop Quiz

What is the peak annual production of red alder lumber – all jurisdictions?

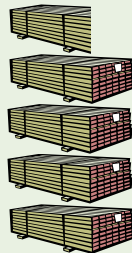
- a) 2 million board feet
- b) 4 million board feet
- c) 8 million board feet
- d) 16 million board feet
- e) 32 million board feet

Alder Manufacturing

US Current



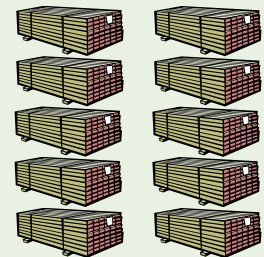
BC
1996-2007



BC Current



BC Potential



Each bundle = 1 mmfbm



Alder Log Values

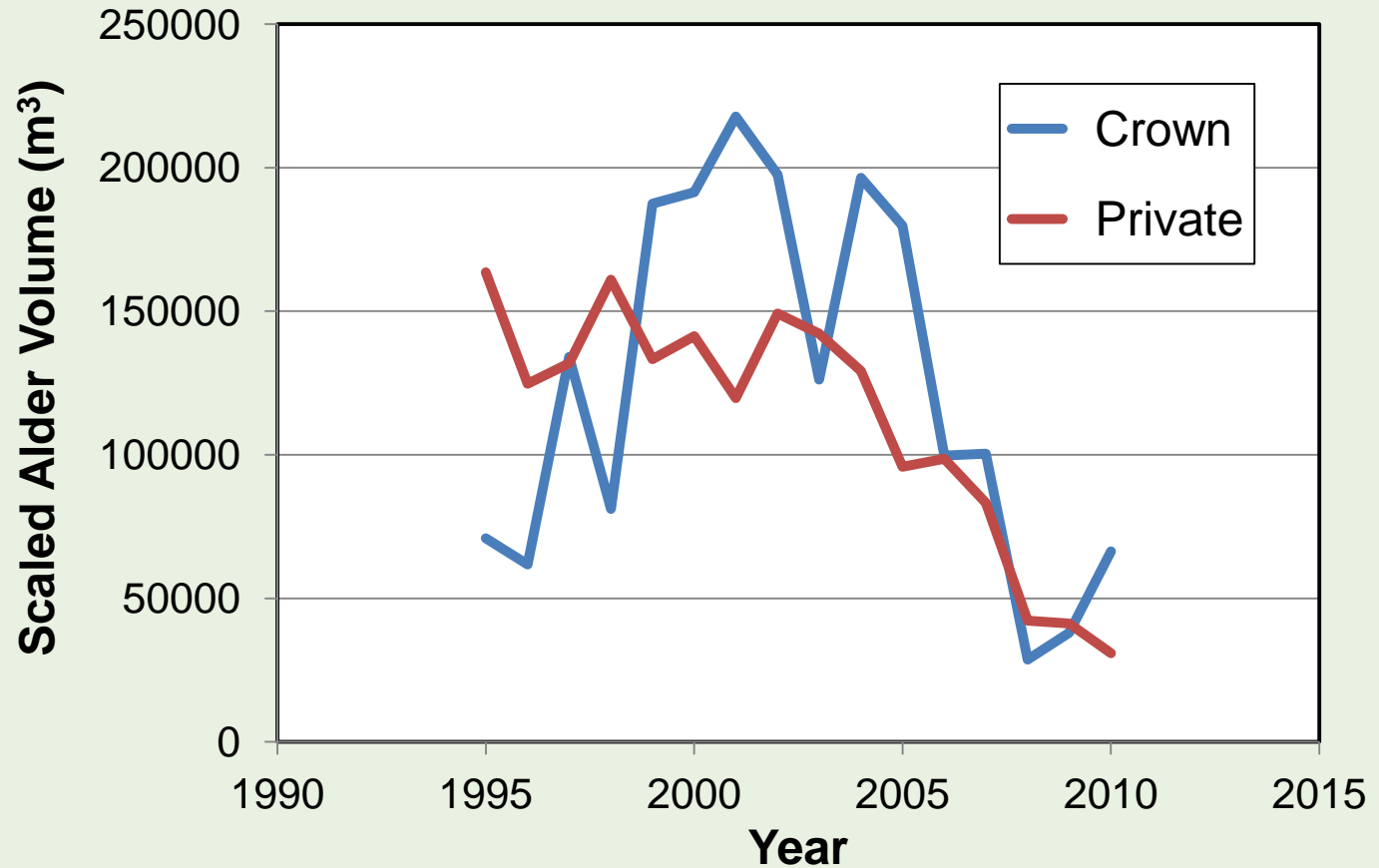
- Better than for hemlock
- A little below Douglas-fir in BC, roughly comparable in US
- Lumber values comparable to Douglas-fir
- Log price affected by higher conversion costs



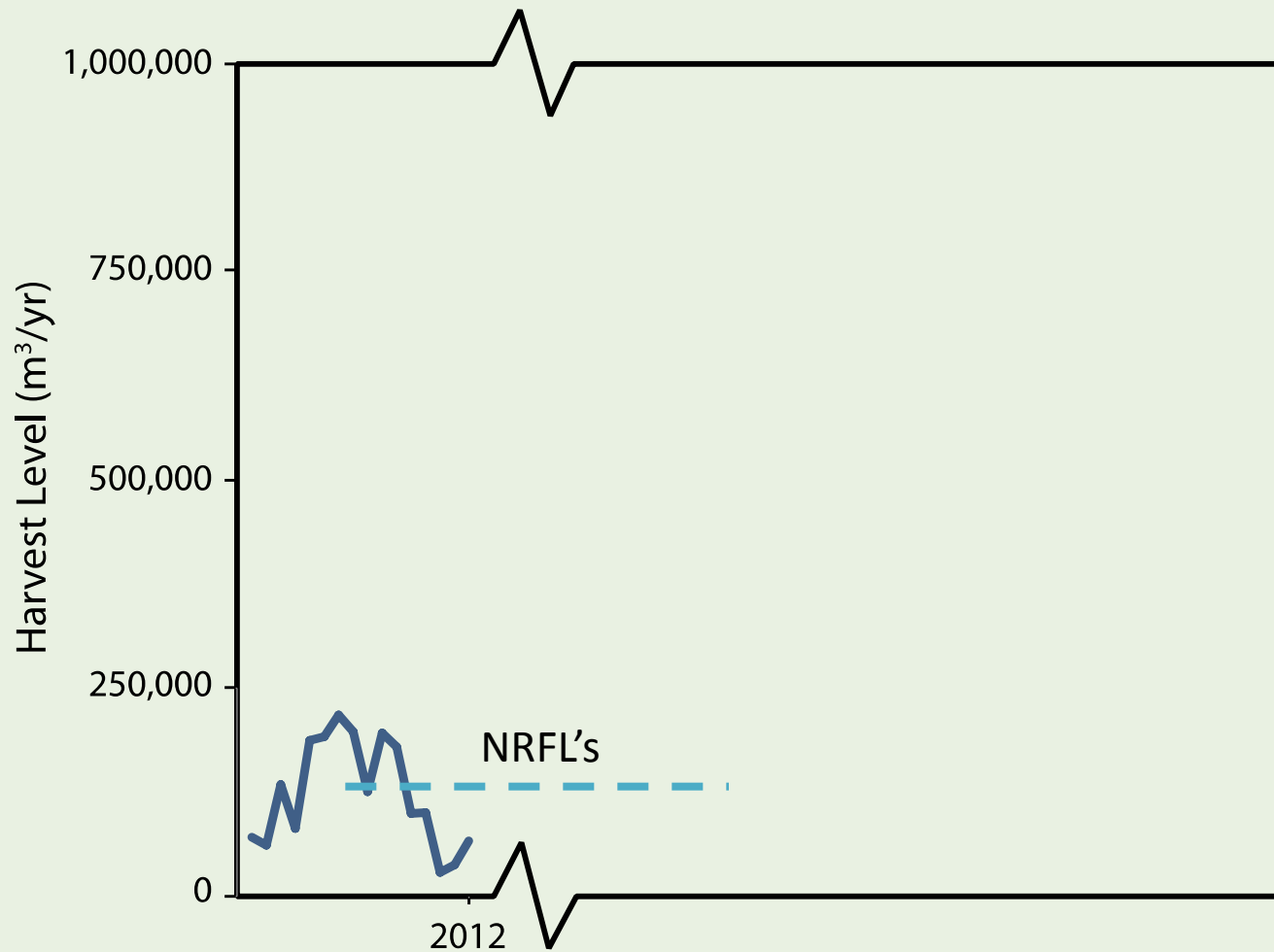
Future Market Potential

- Less of a commodity than softwood lumber
- Huge potential market:
 - Typical home needs 10x value in finish grade products compared to commodity lumber
 - Total NA finish grade products market is \$200 billion; growing at 8-10% annually

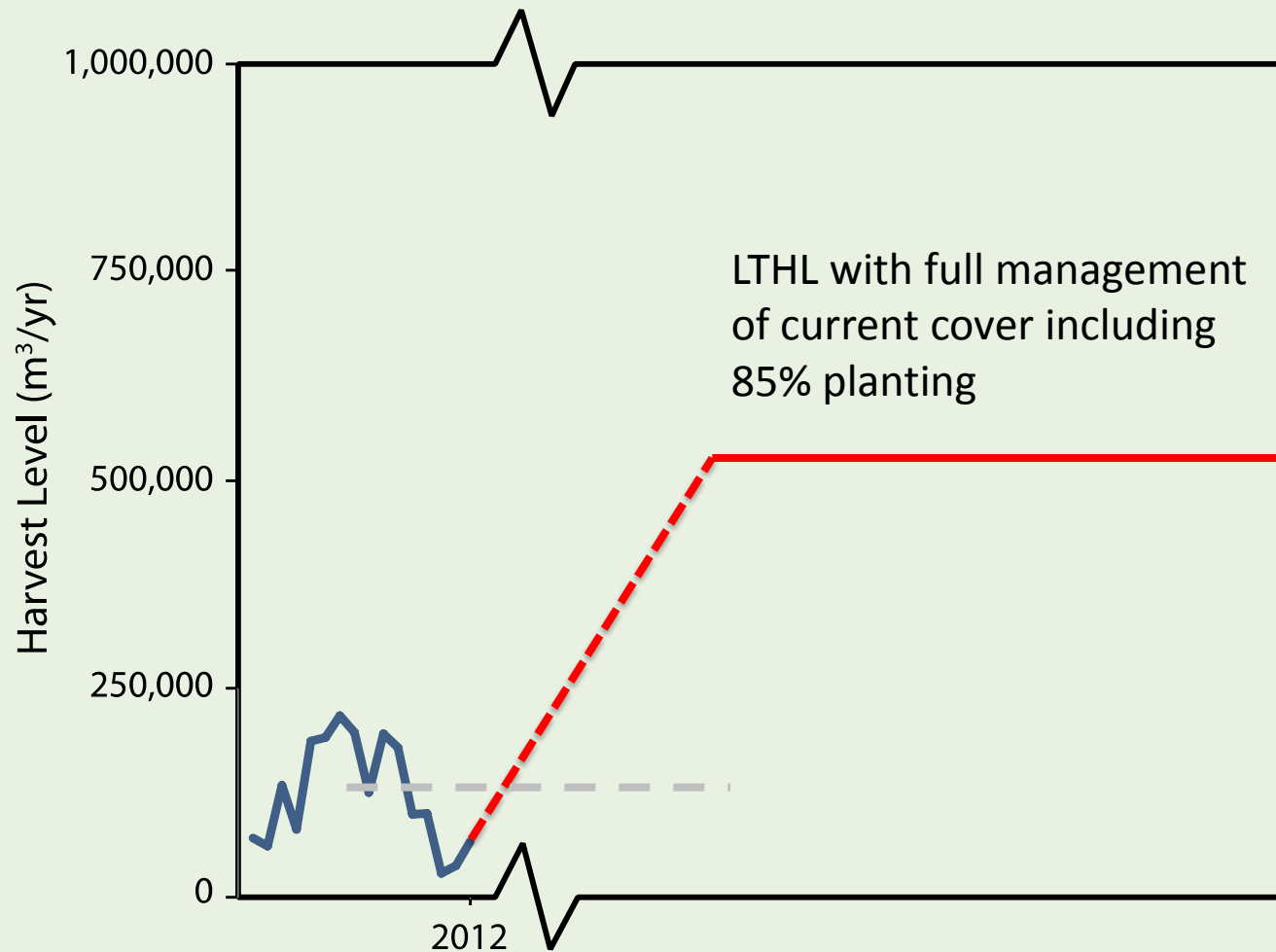
Historic Harvest Levels



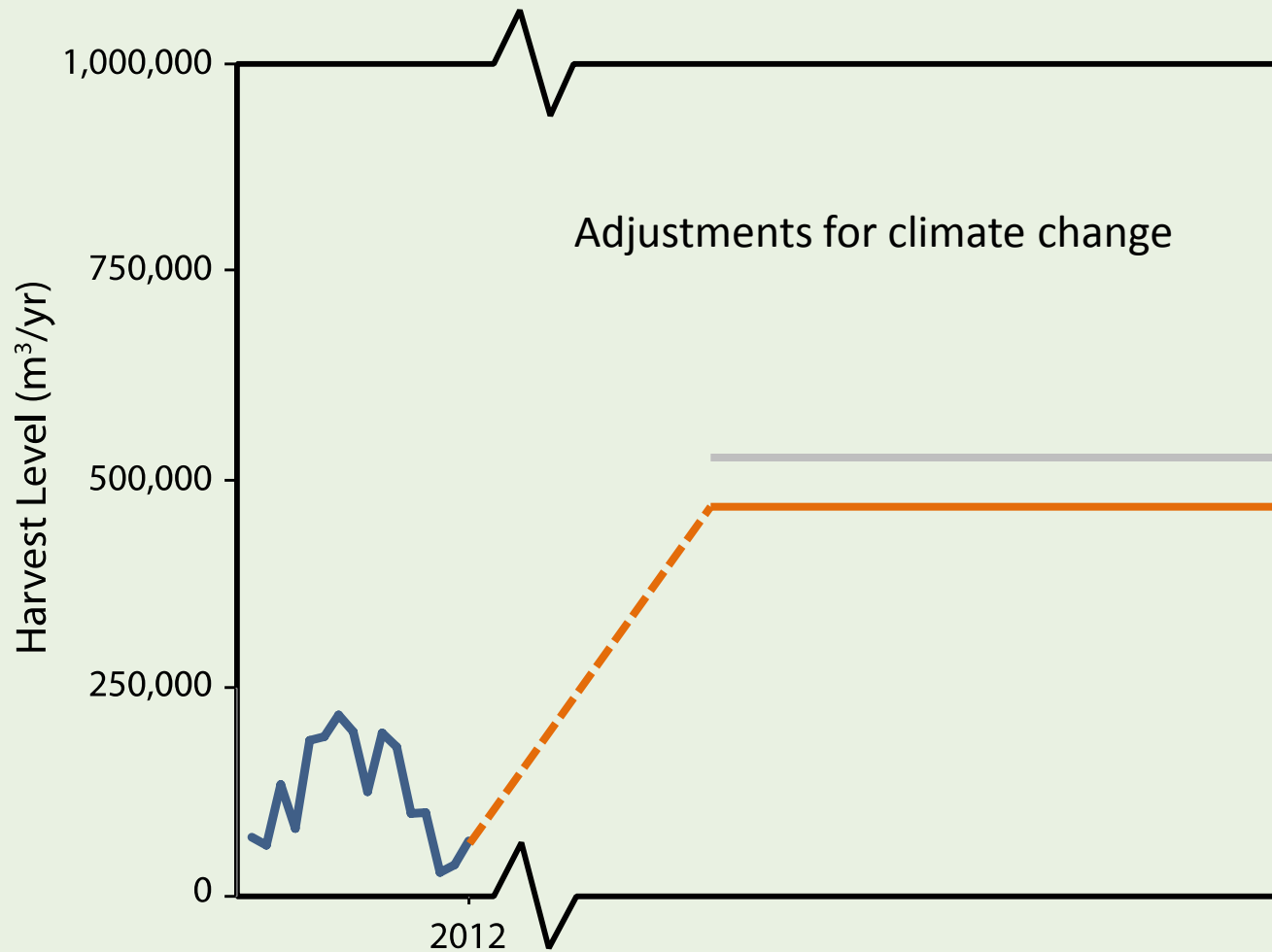
Potential Harvest Levels

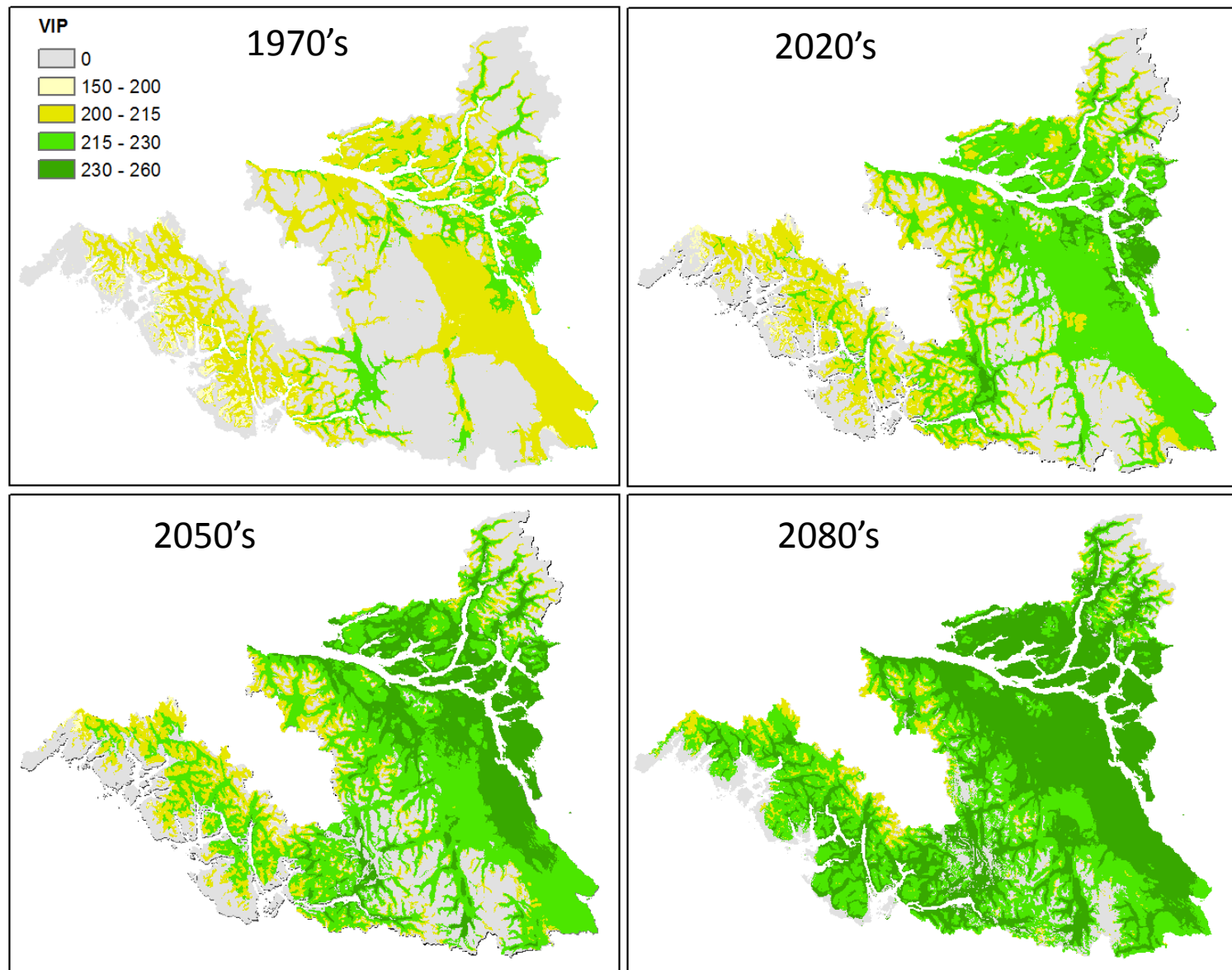


Potential Harvest Levels

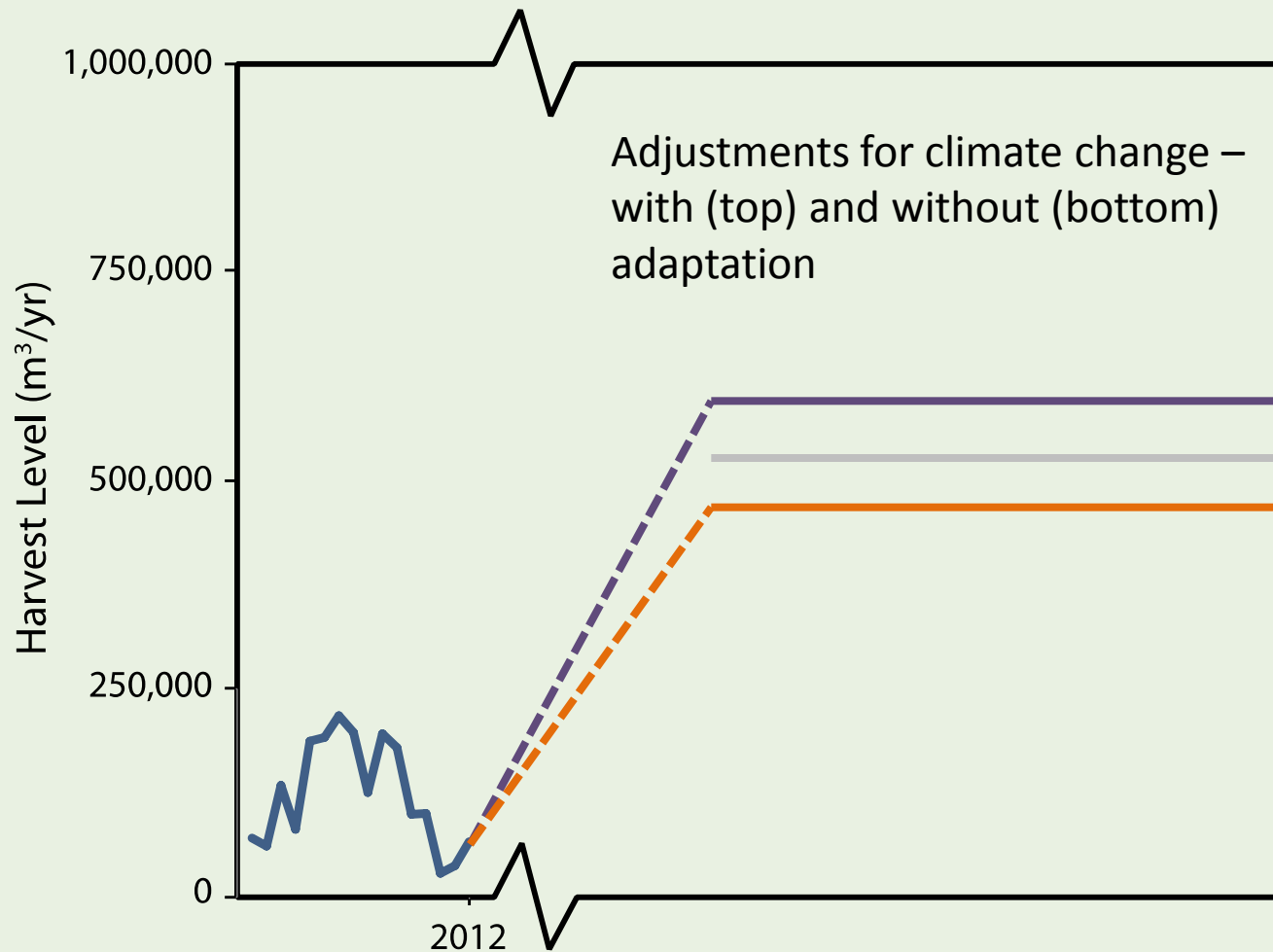


Potential Harvest Levels

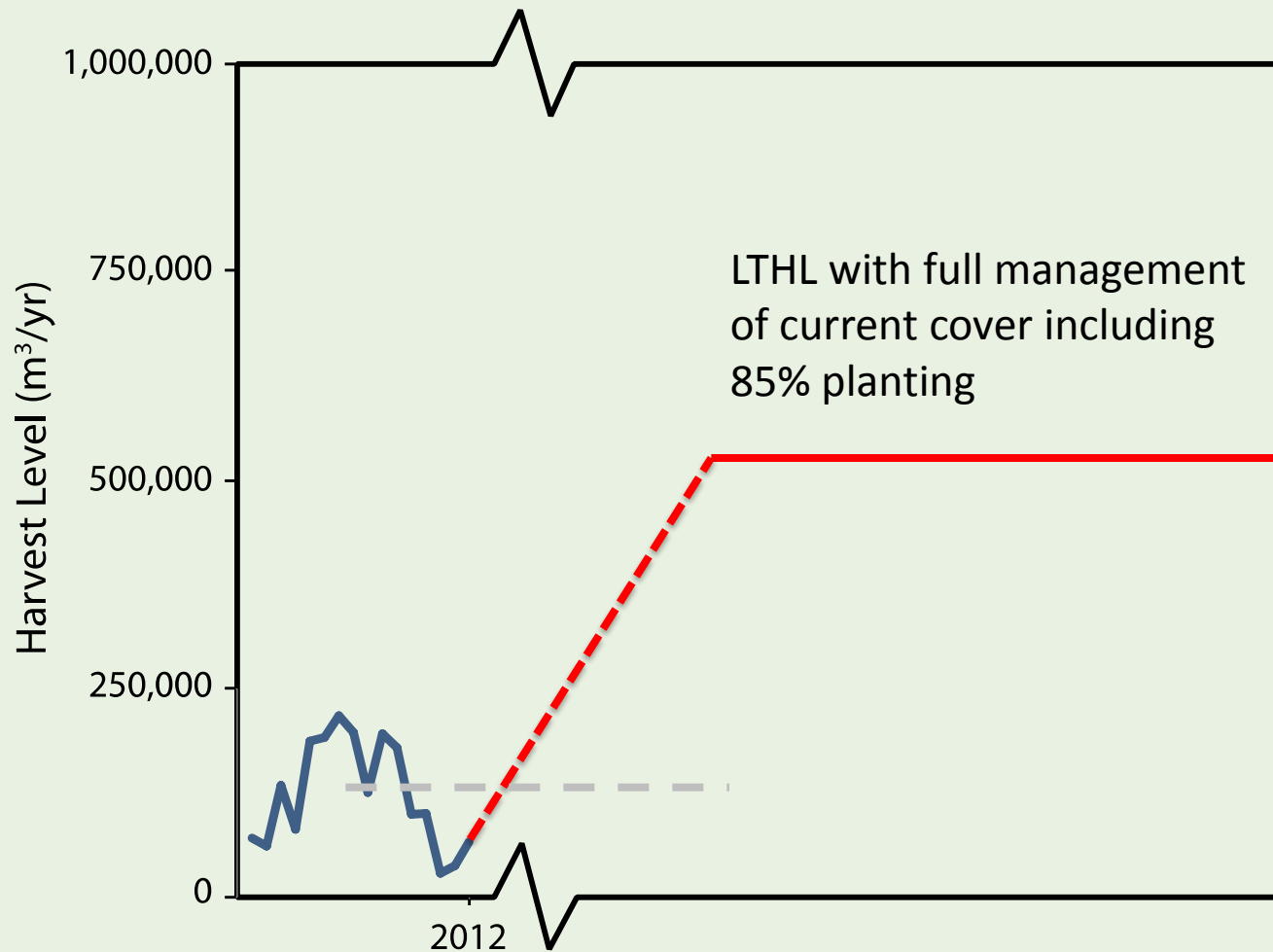




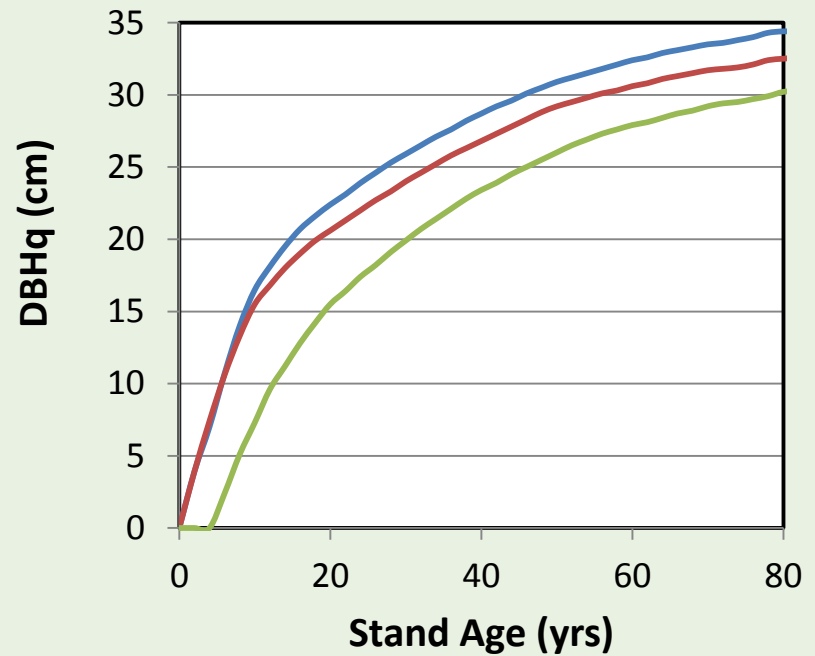
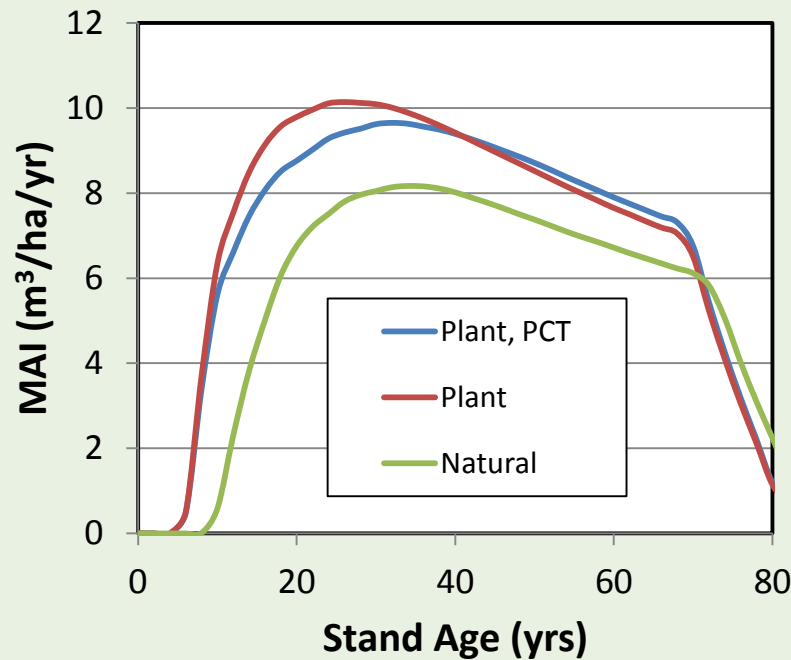
Potential Harvest Levels



Potential Harvest Levels



Silviculture Effects



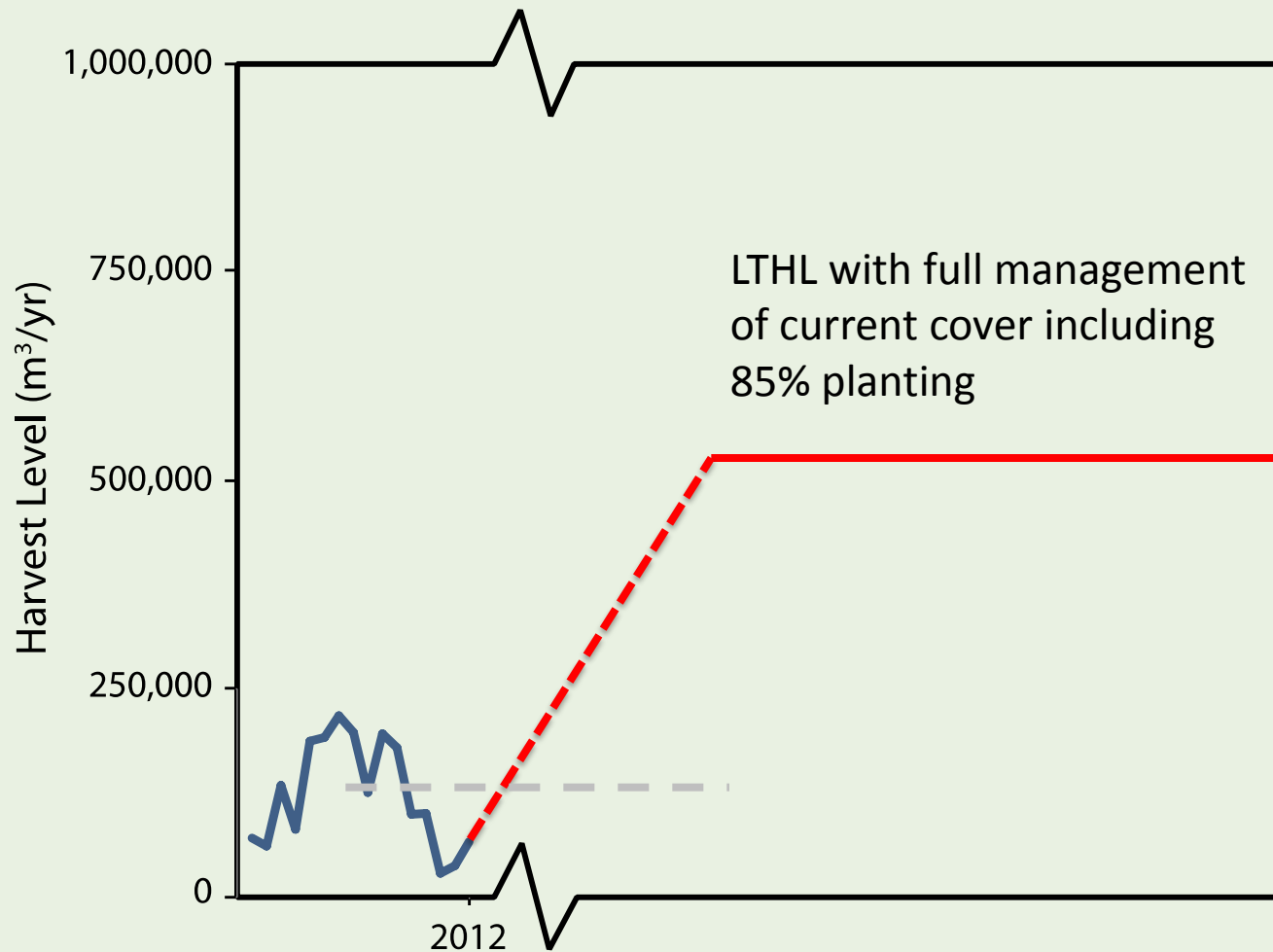
Alder $SI_{50} = 32 \text{ m}$

Silviculture Effects

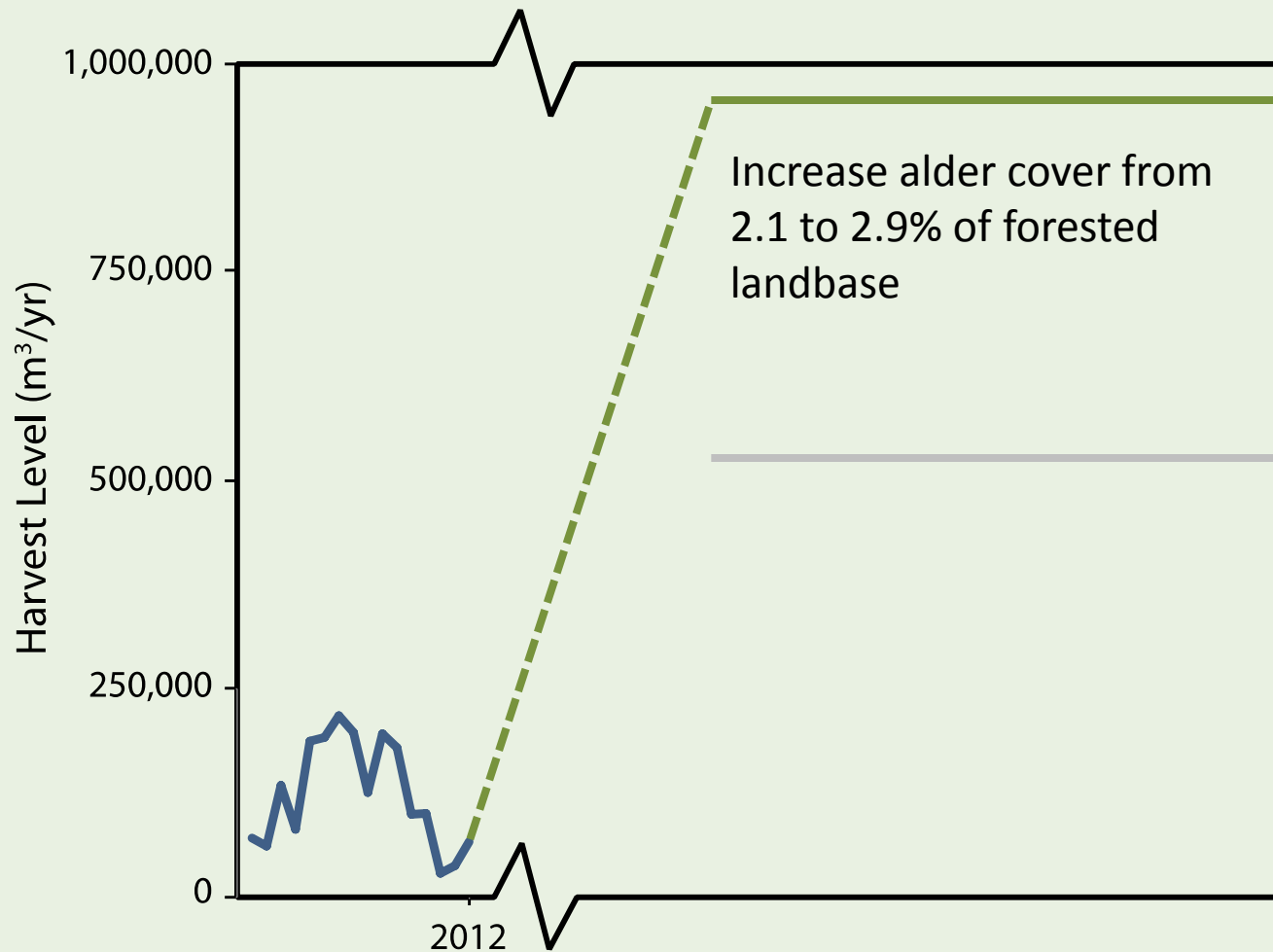


A Context for Intensive Management of Red Alder

Potential Harvest Levels



Potential Harvest Levels



A vertical strip on the left side of the slide shows a dense forest with tall, thin trees and green foliage.

Overall Outcomes

Case	LTHL (m3/yr)	Jobs
Current	~50,000	~130
Basic Silviculture	500,000	1300
CC – No Adaptation	470,000	1200
CC – With Adaptation	600,000	1500
CC-A + Area Increase	970,000	2200



Impediments to Change - forest management -

- Persistent conifer bias
- Lack of expertise
- Uncertainties around seed and planting stock
- Few current licensees see benefits
- No tree improvement program



Impediments to Change - industrial investment-

- Short term supply uncertainty
 - Commitment of current licensees to supply domestic market
 - Poor inventory and TSR information
- Long term supply uncertainty
 - Spotty reforestation record
 - No commitment to alder in management plans



Key Elements of a Red Alder Strategy

- Need a clear commitment to Red Alder with strategic direction – Provincially and apportioned by Management Unit
- Improved Inventory and TSR
- Tree improvement program
- Create open and competitive log market



Acknowledgements

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Questions and Discussion