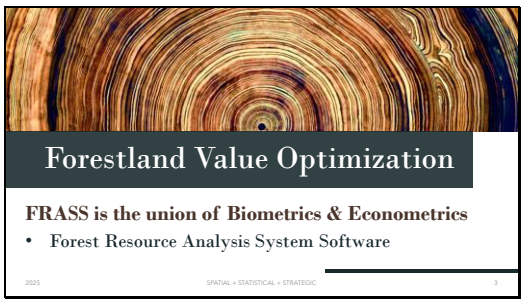
Slide 1

Slide 2

Welcome & Introductions

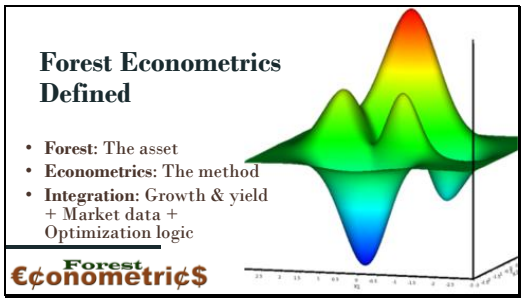
- **Welcome & Thank you to Steve Lohr, Ian Fox, Jessica Robertson, and Roseanna Wary**
- **Purpose: Introduce FRASS as a tool for federal forestland value optimization**
- **Introducing Dr. William E. Schlosser (Dr. Bill) and Susan J. Veach**

Slide 3



Slide 4

Slide 5

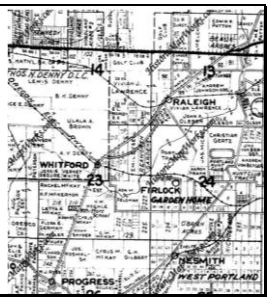


Slide 6

Slide 7

Metzger's Maps 1948

- **Property Lines**
- **Section Numbers**
- **Roads**

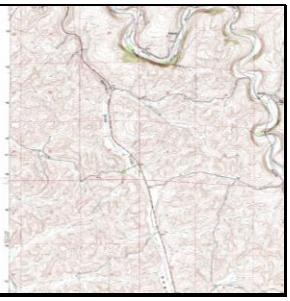


2025 FROM MAPPING THE LAND TO MODELING ITS FUTURE

Slide 8

USGS Maps 1961

- Contour Lines with Elevation
- Section Numbers
- Rivers & Lakes

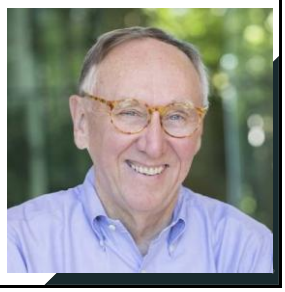


2025 FROM MAPPING THE LAND TO MODELING ITS FUTURE

Slide 9

Jack Dangermond 1969 ESRI

ArcGIS 1980



2025 INVENTION → INNOVATION

Slide 10

Fire Prone Landscapes 2003

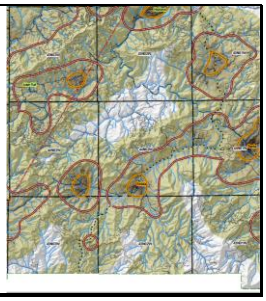
- Attributes as Factors of Risk
  - Elevation
  - Aspect
  - Vegetation

2025 INVENTION → INNOVATION

Slide 11

Wildland Urban Interface 2004

- People,
- Structures,
- Infrastructure,
- The Economy
- The Way of Life



2025 INVENTION → INNOVATION

Slide 12

Econometrics Emerges

- **Turning growth models into management decisions**
  - Bridging science, strategy, and valuation

FOREST ECONOMETRICS

Forest Resource Analysis System Software

Slide 13

Nominal vs. Real Log Price Trends

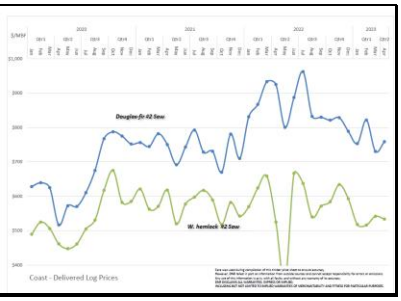
- Each map innovation gave rise to smarter decisions.
- FRASS continues this tradition—elevating data into valuation logic.

WASHINGTON STATE DEPARTMENT OF Natural Resources

Slide 14

Log $$

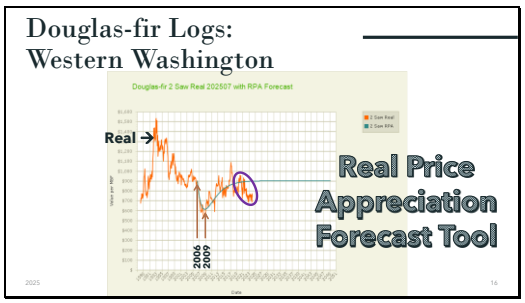
- What is this market doing?
- Can you see the trend?



Slide 15

Are You Seeing the Real Market Trend?

Slide 16



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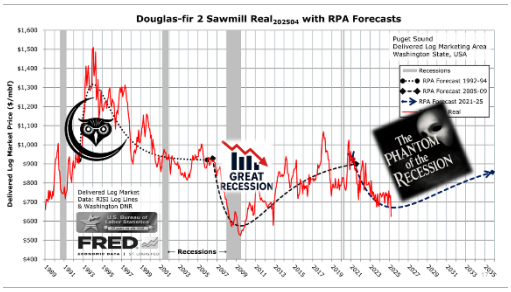

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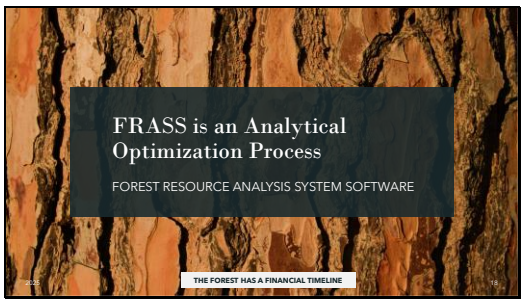

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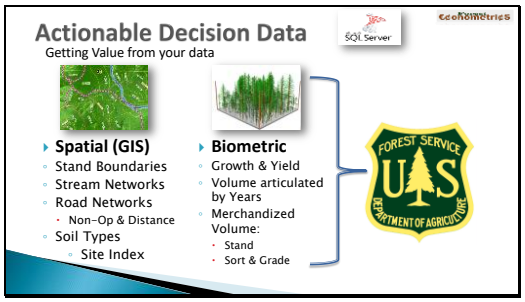
Slide 20



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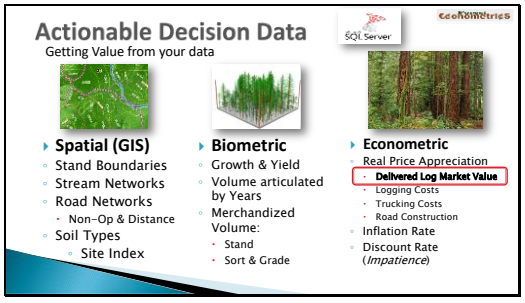

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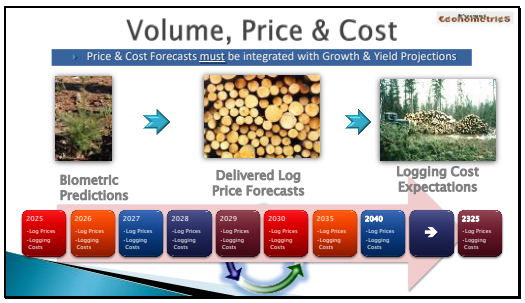

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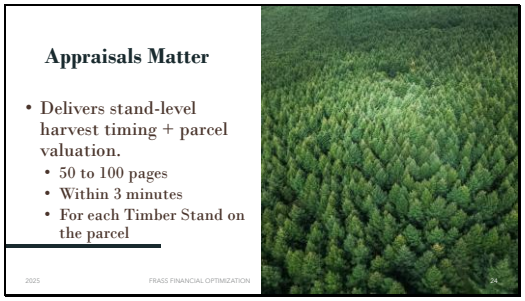

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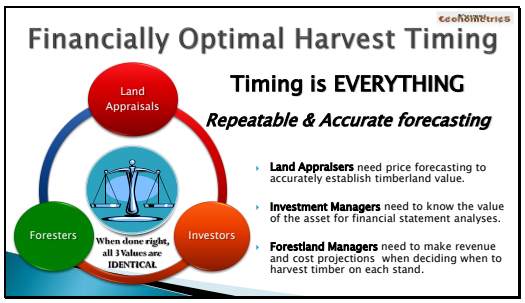

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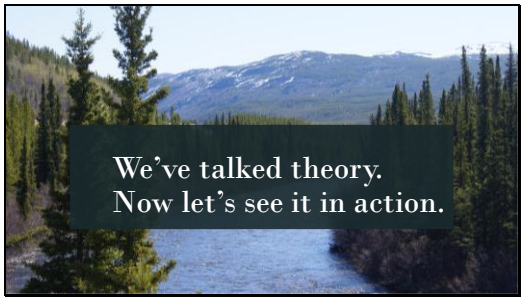
Slide 27



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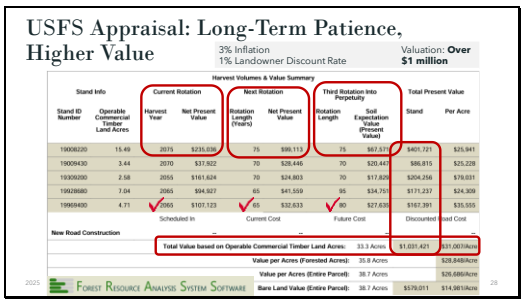

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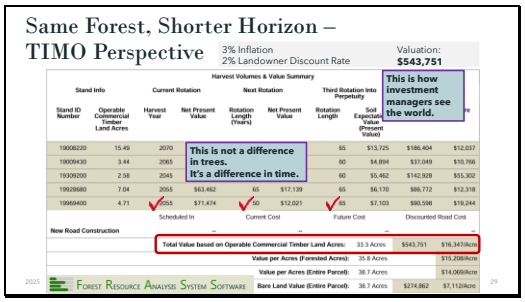

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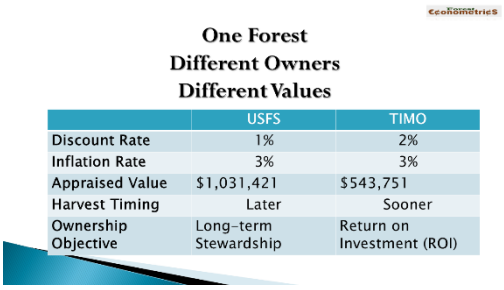

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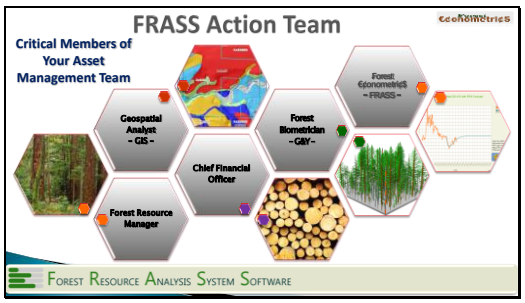

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- **2005:** Potlatch Corp.| REIT & TRS, 666,000 acres
- **2006:** CCTHTA, Alaska | Multi-jurisdictional analysis (43.5 million acres)
- **2009:** BIA & Tribes: Cobell Settlement (220,000+ acres)
- **2014-2024:** Private-sector valuation consulting (6.5 million acres)
- **50.5+ million acres** analyzed with FRASS methodology

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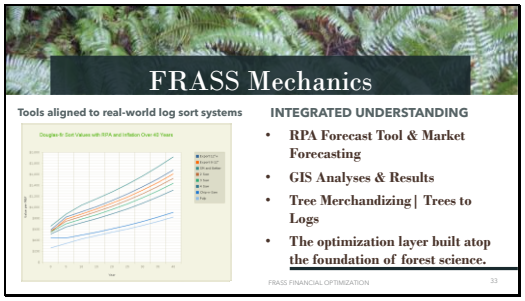

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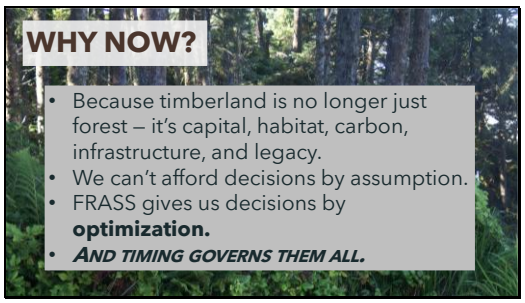

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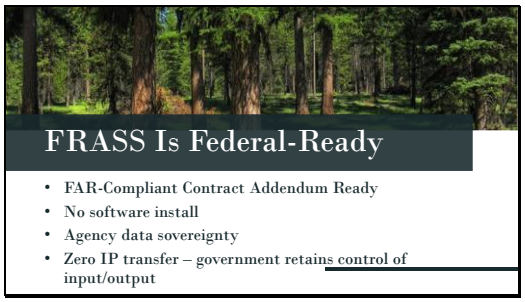

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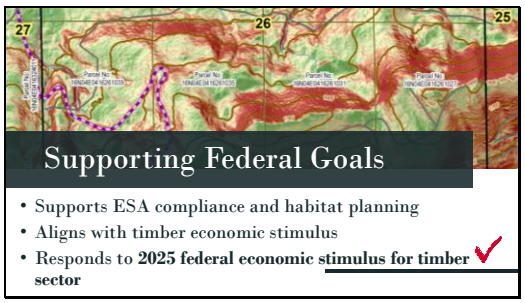

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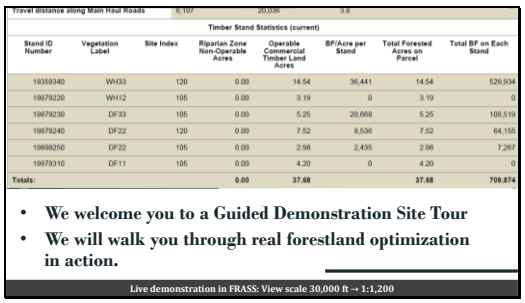

Travel distance along Main Haul Roads	6,107		20,036		3.8		

Timber Stand Statistics (current)

Stand ID Number	Vegetation Label	Site Index	Riparian Zone Non-Operable Acres	Operable Commercial Timber Land Acres	BF/Acre per Stand	Total Forested Acres on Parcel	Total BF on Each Stand
19359340	WH33	120	0.00	14.54	36,441	14.54	529,934
19879220	WH12	105	0.00	3.19	0	3.19	0
19879230	DF33	105	0.00	5.25	20,668	5.25	108,519
19879240	DF22	120	0.00	7.52	8,536	7.52	64,155
19899260	DF22	105	0.00	2.98	2,435	2.98	7,257
19979310	DF11	105	0.00	4.20	0	4.20	0
Totals:			0.00	37.68		37.68	709,874

- We welcome you to a Guided Demonstration Site Tour
- We will walk you through real forestland optimization in action.

Live demonstration in FRASS: View scale 30,000 ft → 1:1,200

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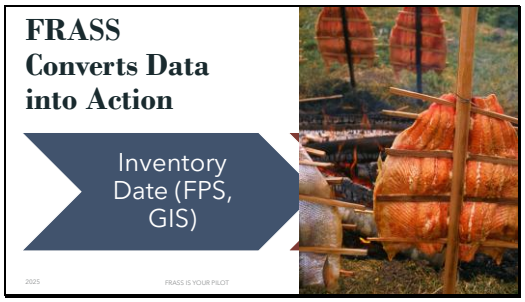

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