



Oregon Forest Facts –

By the Numbers with FIA & others

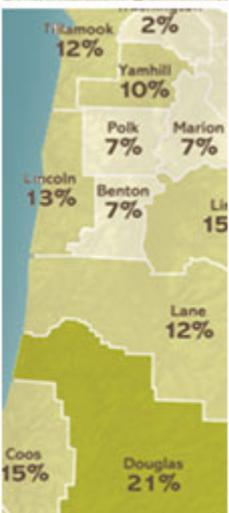
Mike Cloughesy
Director of Forestry



Oregon Forest
Resources Institute

Who is OFRI ?

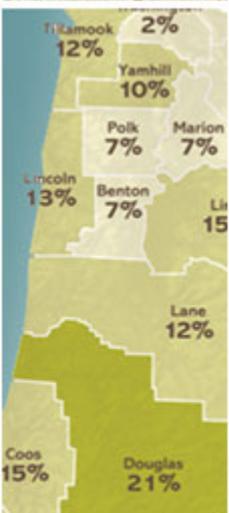
The Oregon Forest Resources Institute was created by the State Legislature in 1991 to improve public understanding of Oregon's forest resources and to encourage environmentally sound forest management



Oregon Forest
Resources Institute

OFRI programs

- Public education and outreach
- Landowner workshops
- K-12 student and teacher programs
- Speakers bureau presentations
- Rediscovery Forest at the Oregon Garden



OregonForests.org



Oregon Forest Sector leads the way

#1



Oregon Forestland

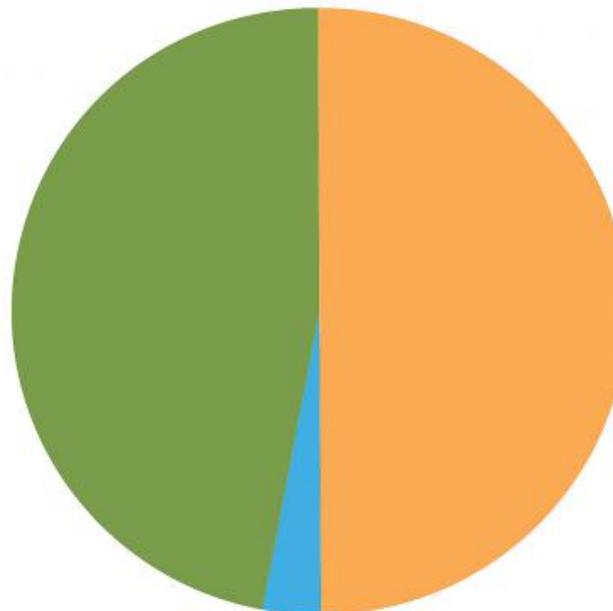


Oregon Total Land Area (acres)

47%

50%

3%



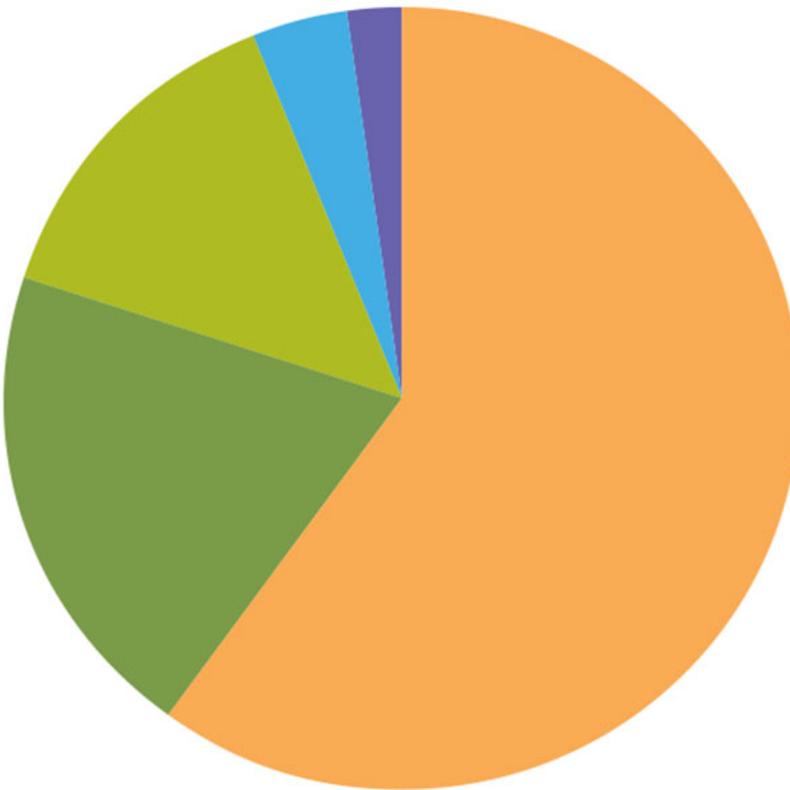
FORESTLAND 29,984,000

NONFOREST LAND (urban, cropland, range, etc.) 31,498,800

WATER AREA 1,807,600

Who owns the forest ?

FORESTLAND ACREAGE BY OWNER



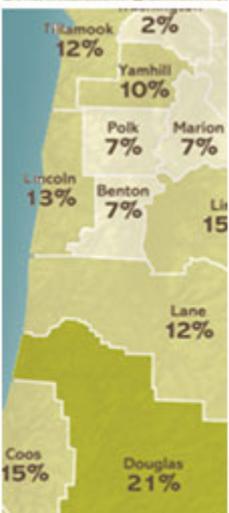
60% FEDERAL GOVERNMENT

20% LARGE PRIVATE

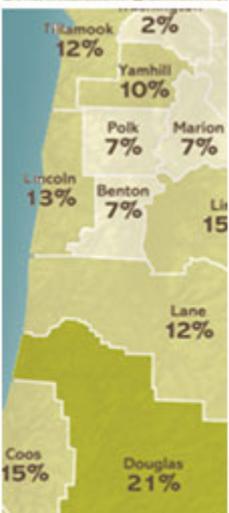
14% SMALL PRIVATE

4% STATE

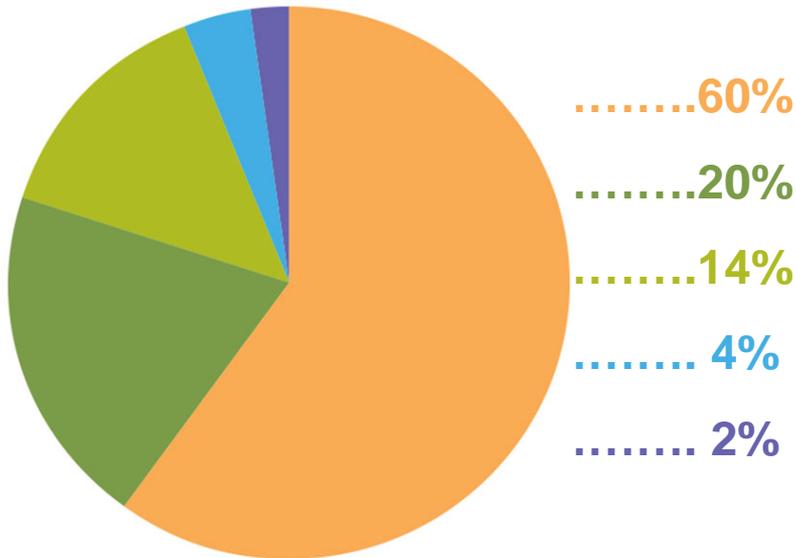
2% TRIBAL



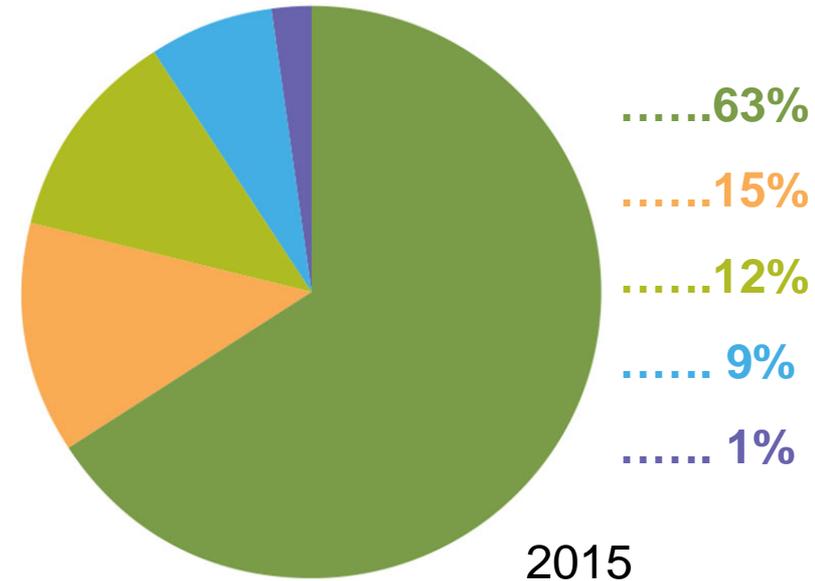
Where do we get our wood?



FORESTLAND OWNERSHIP



TIMBER HARVEST BY OWNER

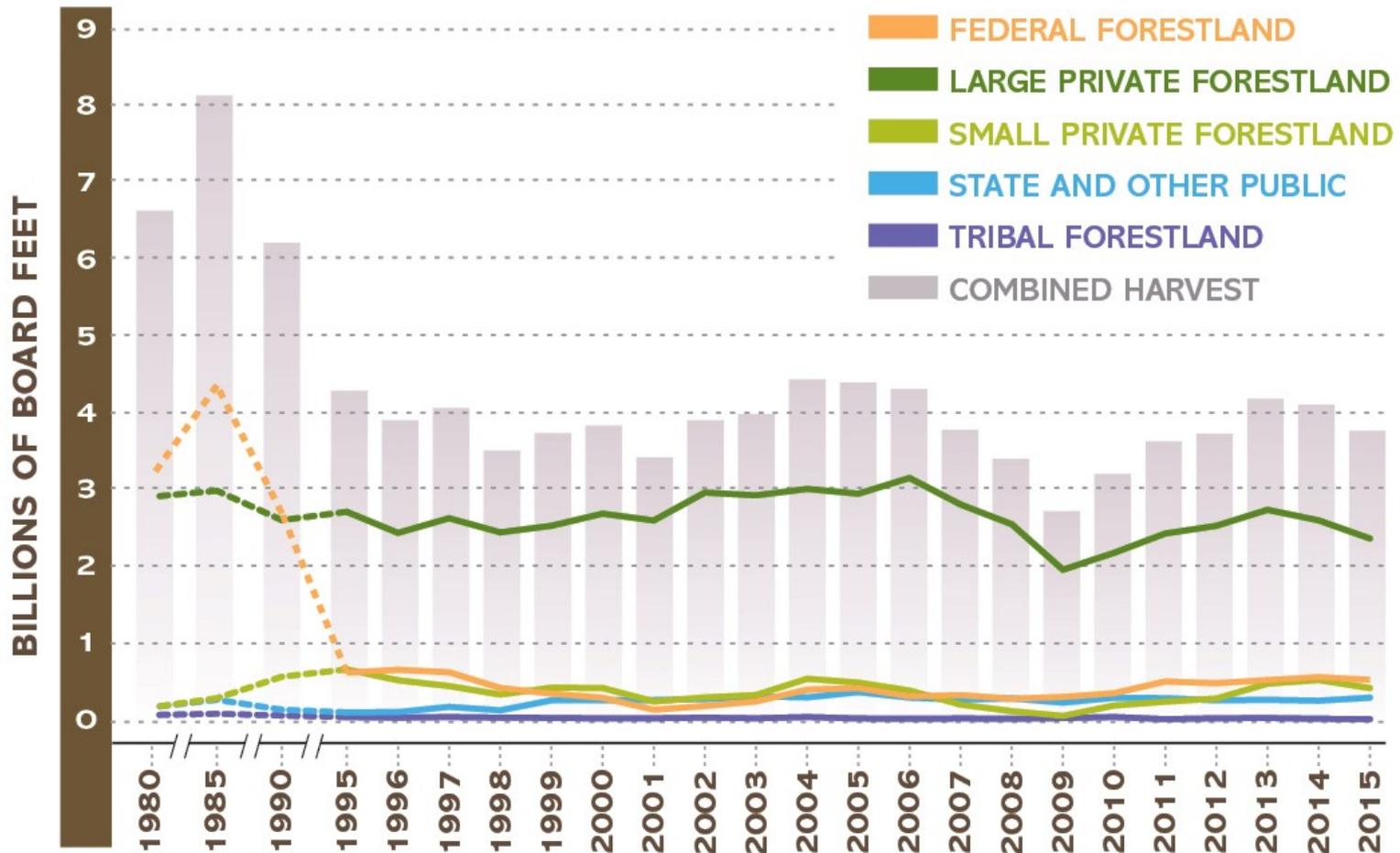


- Federal Government
- Large Private
- Small Private
- State and other public
- Tribal

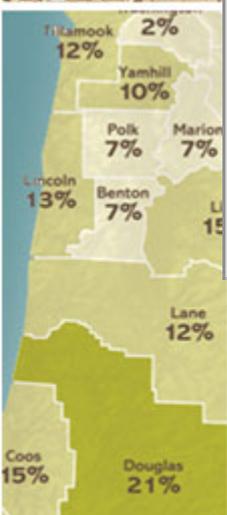


Oregon timber harvest by owner

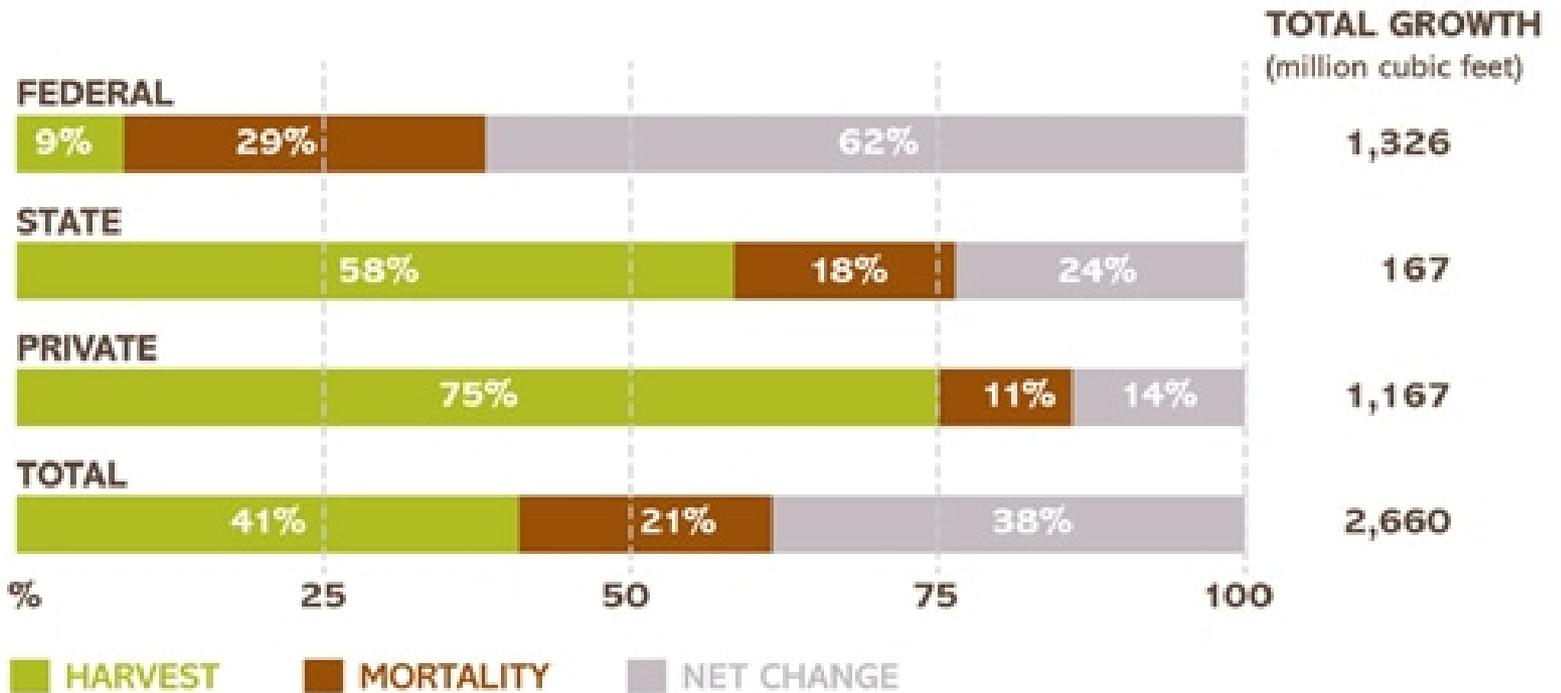
Oregon timber harvest by owner (2015)



Sustainability



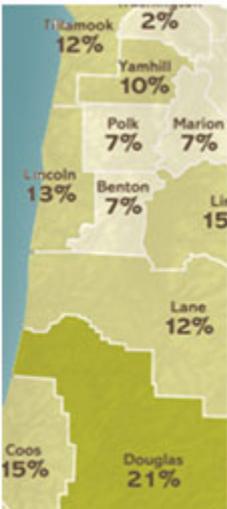
Growth, mortality and harvest 2011-2015



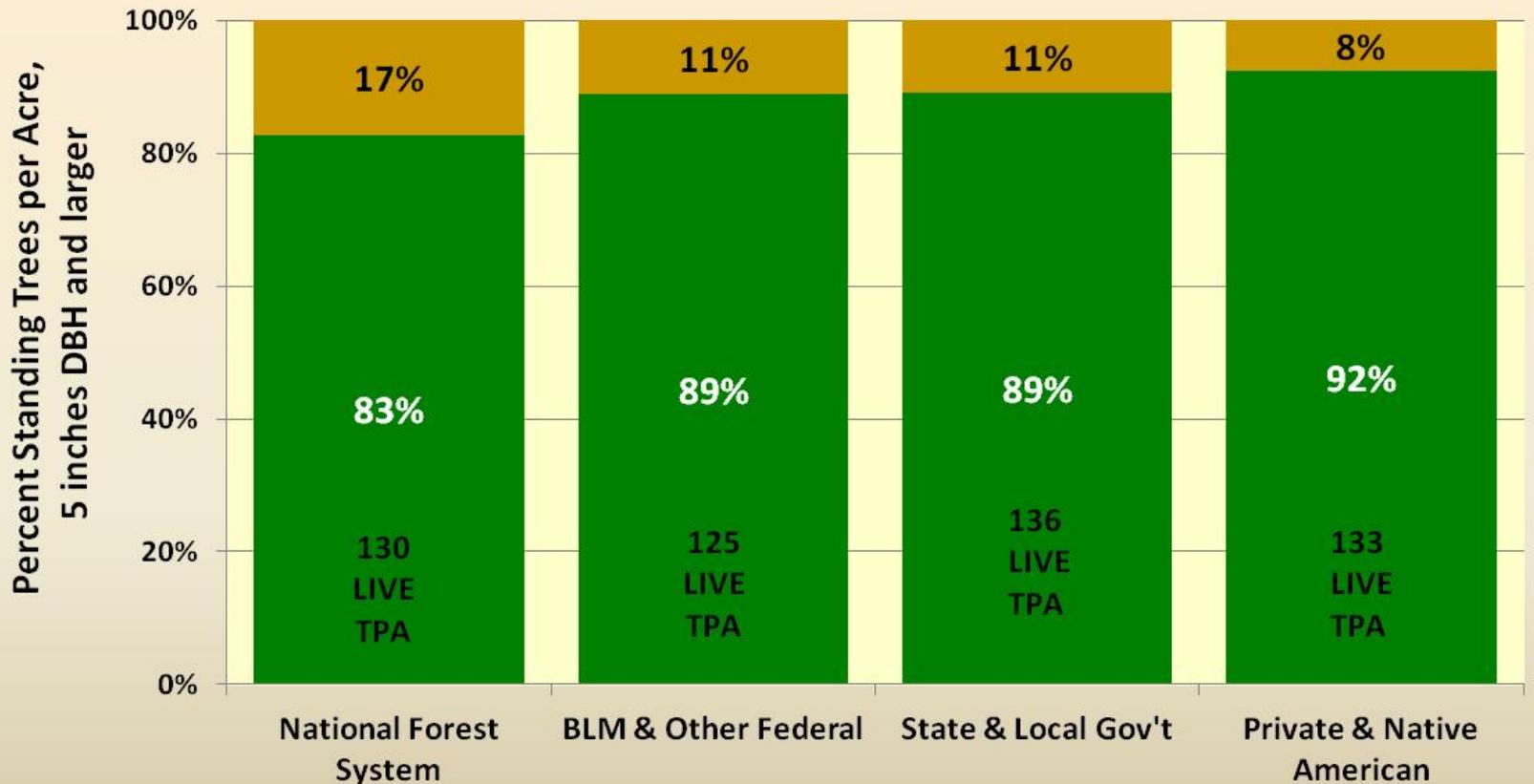
Oregon's Zombie Trees



TPA by ownership – living & dead



Percent Living & Dead Trees per Acre by Ownership Class on Oregon Forest Land



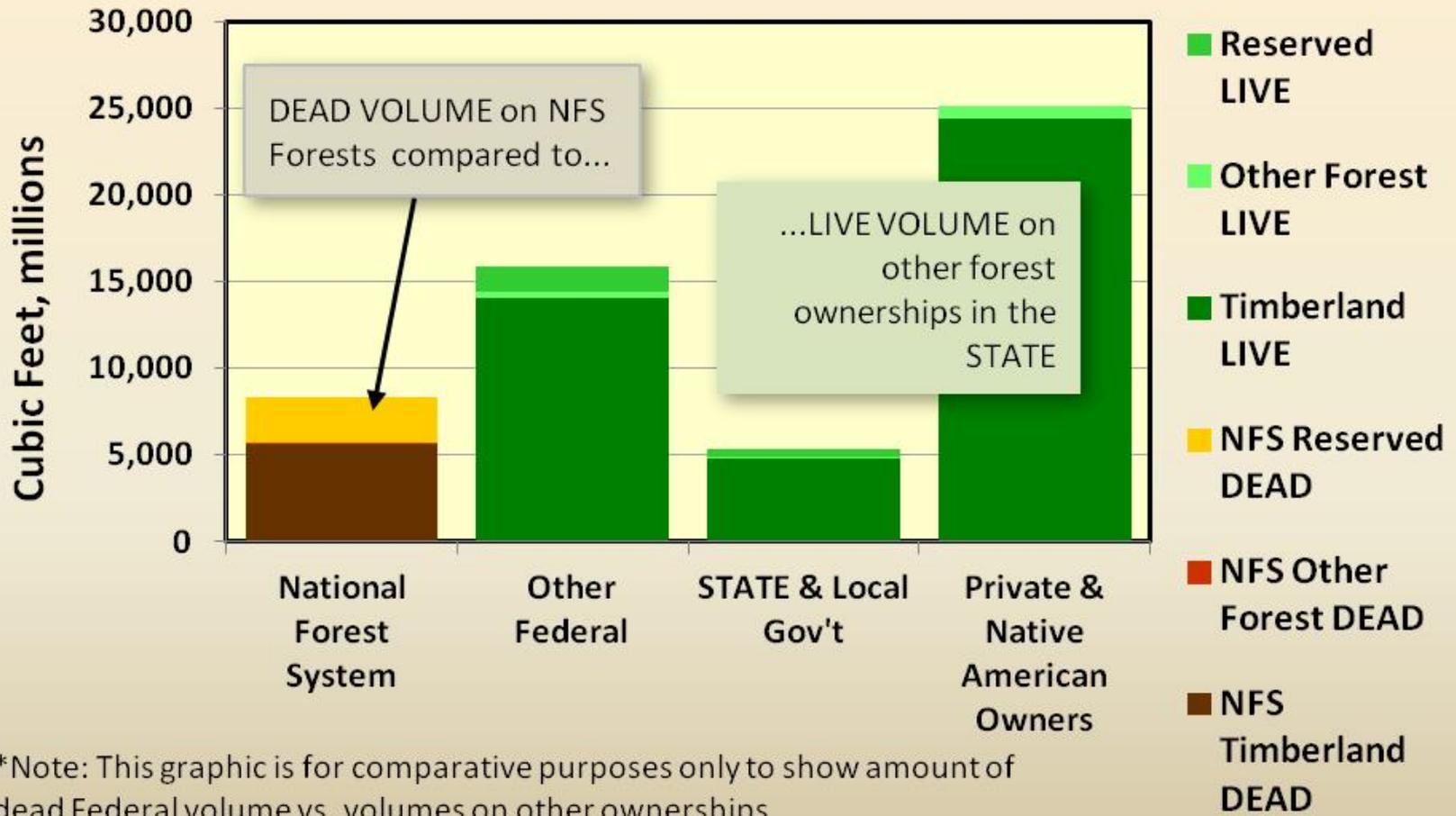
Source: USDA USFS FIA 2013 EVALIDATOR PROGRAM & 2013 DATA

■ Dead Trees ■ Live Trees

NFS dead inventory



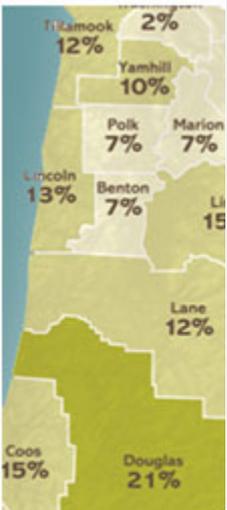
Extent of National Forest System Dead Inventory*: Dead Volume on National Forest System in Oregon vs. Live Volume on other Oregon Forest Ownerships



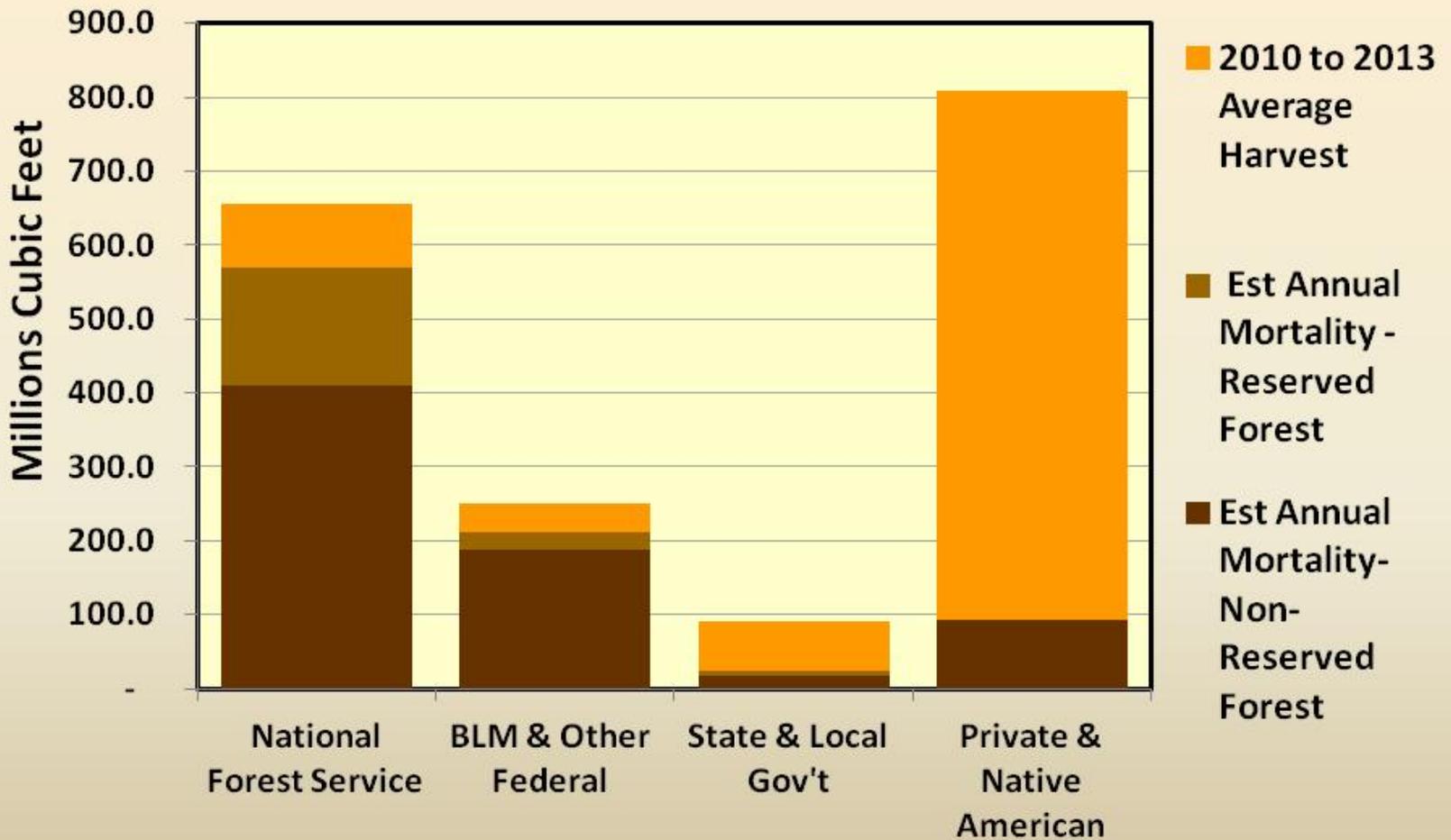
*Note: This graphic is for comparative purposes only to show amount of dead Federal volume vs. volumes on other ownerships

Source: USDA USFS FIA 2012 EVALIDATOR PROGRAM & 2012 DATA

Mortality vs. harvest



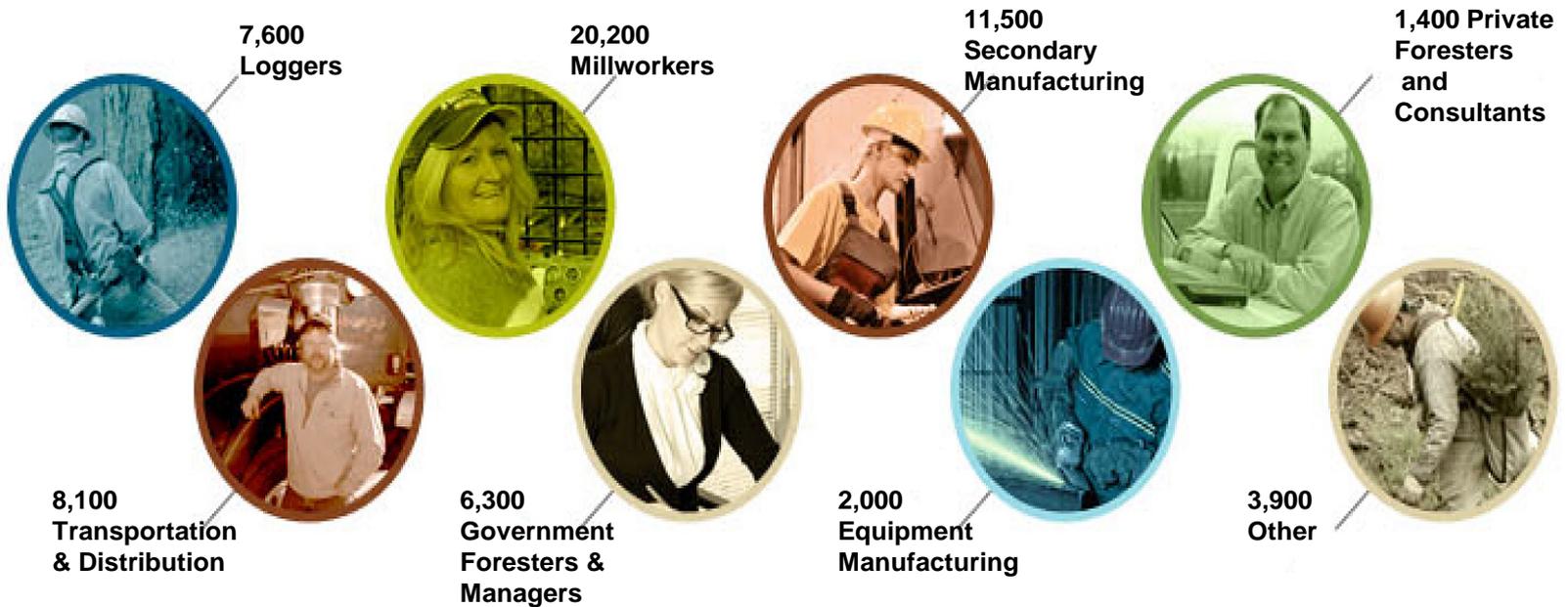
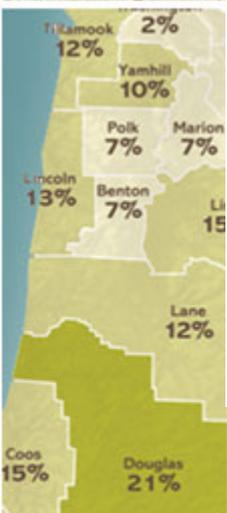
Annual Mortality vs. Annual Harvest on Oregon's Forests by Ownership Class



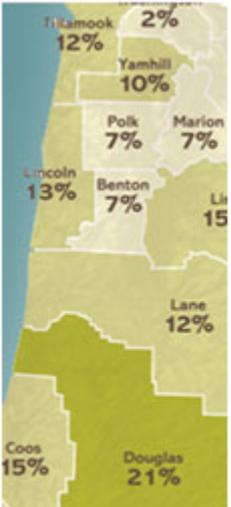
Sources: USDA USFS FIA 2013 data, Oregon Department of Forestry, analysis and estimates

Jobs

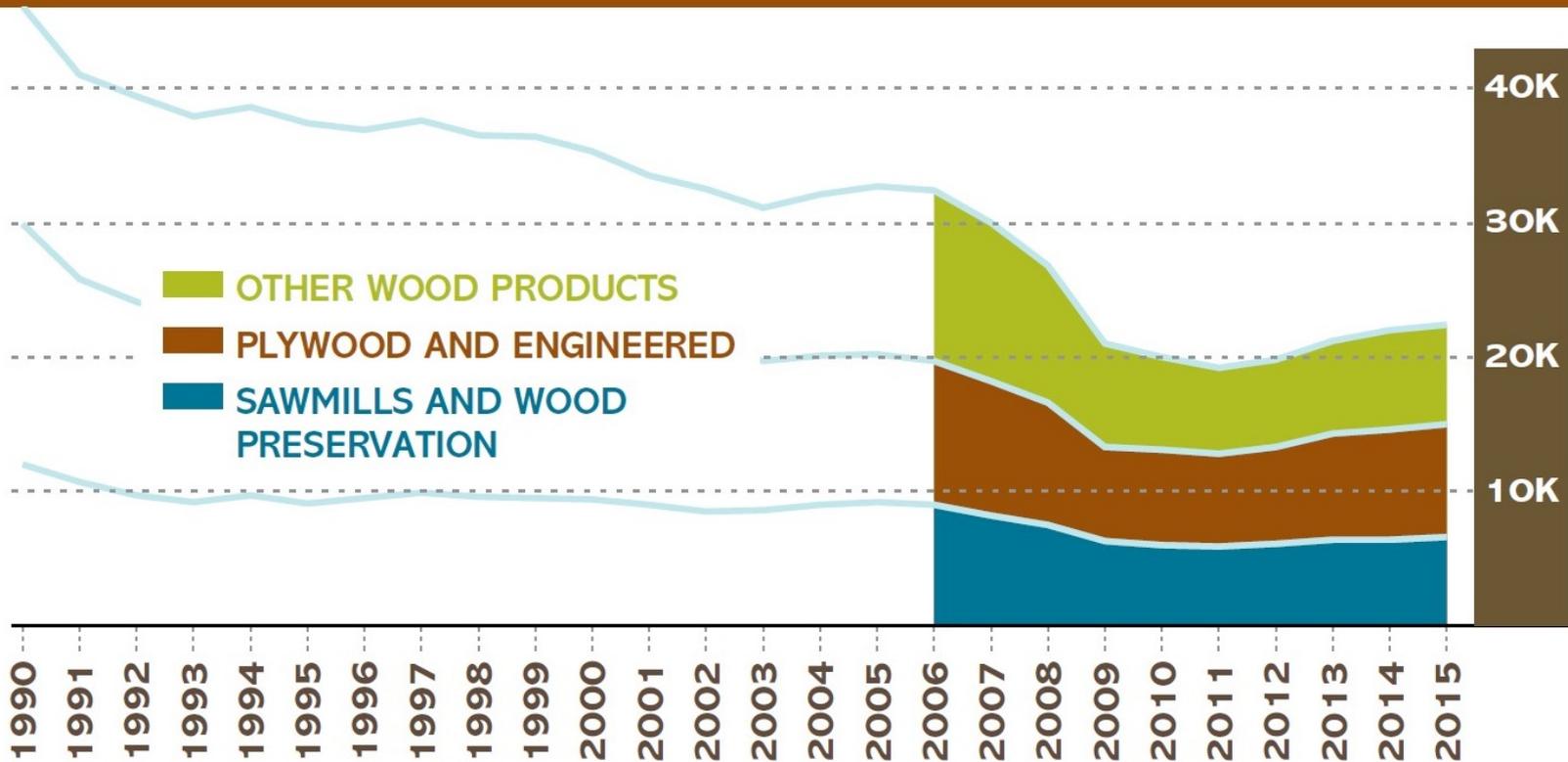
- 61,000 forest sector jobs in Oregon
- 3 % of all jobs
- Average wage: \$50,000/year



Increasing Primary Manufacturing Jobs

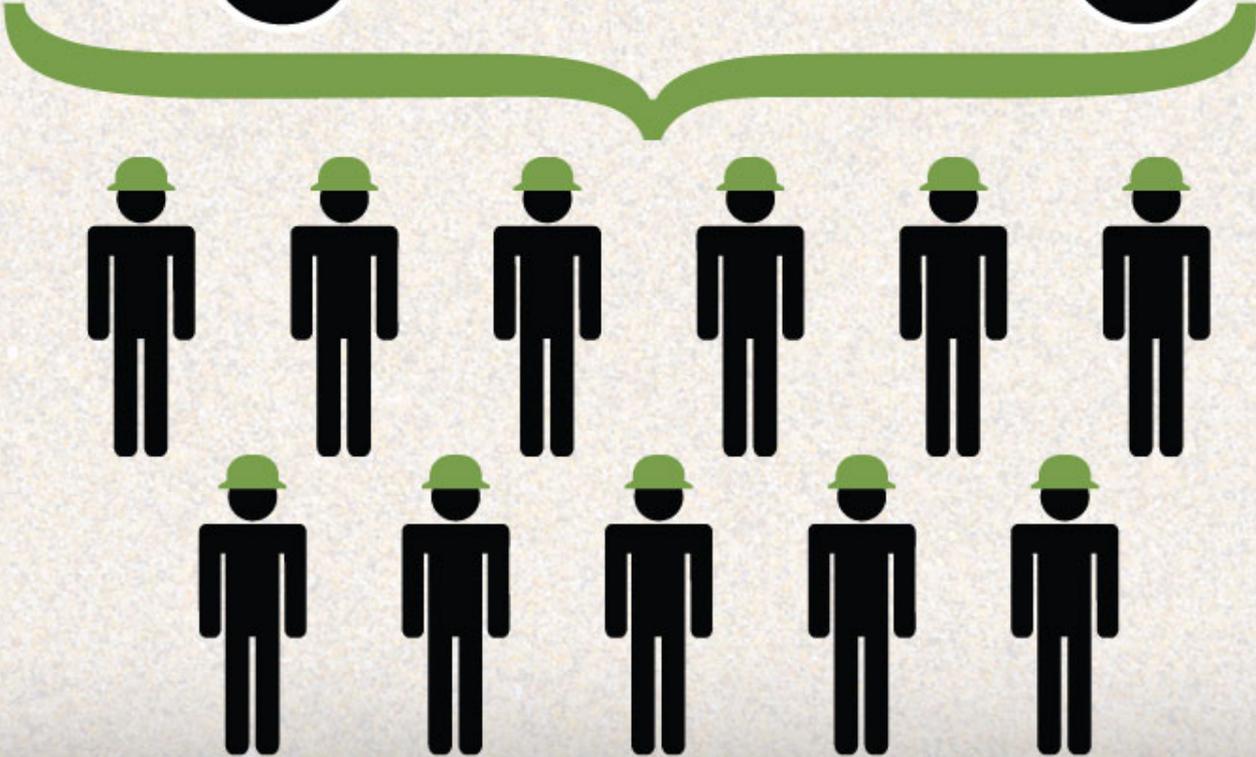


Oregon wood products manufacturing employment





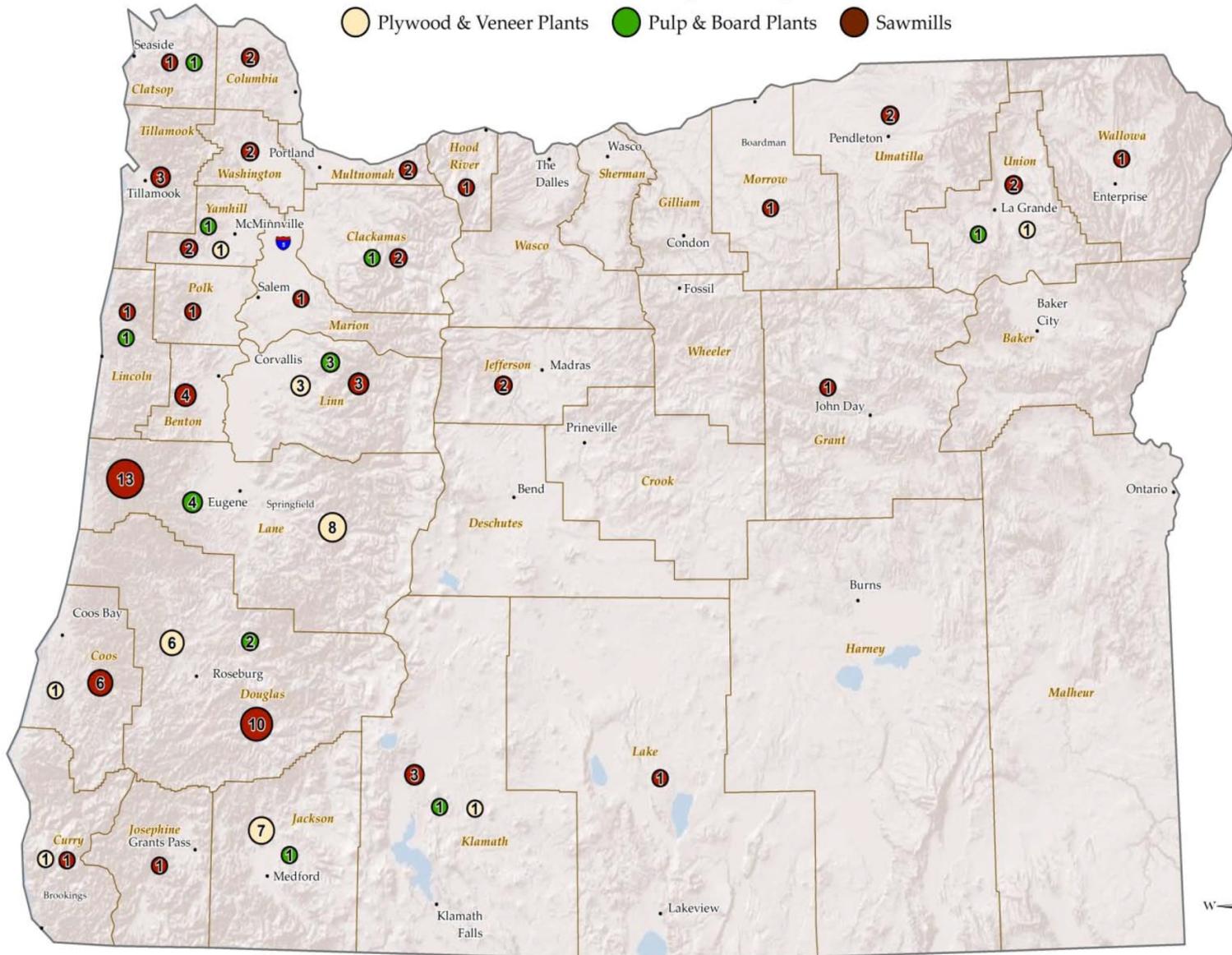
Harvest : jobs



Oregon Primary Wood Processing Facilities

Number of Facilities per County

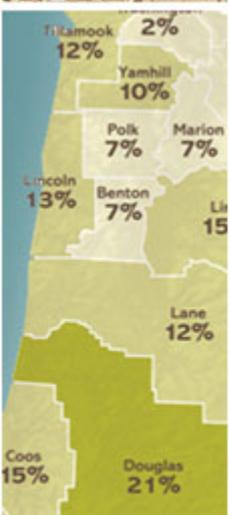
● Plywood & Veneer Plants
 ● Pulp & Board Plants
 ● Sawmills



MB&G

Source: Facilities database is the property of Mason, Bruce & Girard Inc. Base features from ESRI, 2008.

#1 in Softwood Lumber

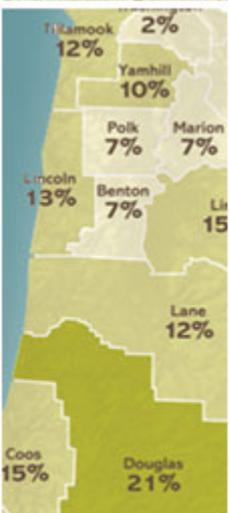


Softwood lumber production

Top 10 states and U.S. total production (in millions of board feet)

	2010	2011	2012	2013	2014	2015	% of U.S. total for 2015
Oregon	3,994	4,134	4,659	5,119	5,448	5,222	17%
Washington	3,637	3,685	3,763	3,942	4,035	3,745	12%
Georgia	1,856	1,995	2,111	2,190	2,363	2,454	8%
Alabama	1,455	1,613	1,808	1,950	2,034	2,155	7%
California	1,435	1,623	1,838	1,937	1,938	1,957	6%
Arkansas	1,638	1,737	1,808	1,859	1,944	1,937	6%
Mississippi	1,523	1,604	1,622	1,715	1,824	1,821	6%
Idaho	1,258	1,353	1,494	1,647	1,667	1,717	5%
North Carolina	1,248	1,331	1,521	1,564	1,664	1,678	5%
Texas	1,055	1,101	1,191	1,260	1,296	1,332	4%
TOTAL U.S.	24,803	26,508	28,257	29,951	31,496	31,644	

#1 in Plywood

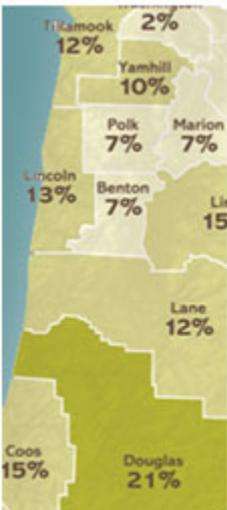


Top plywood producing states

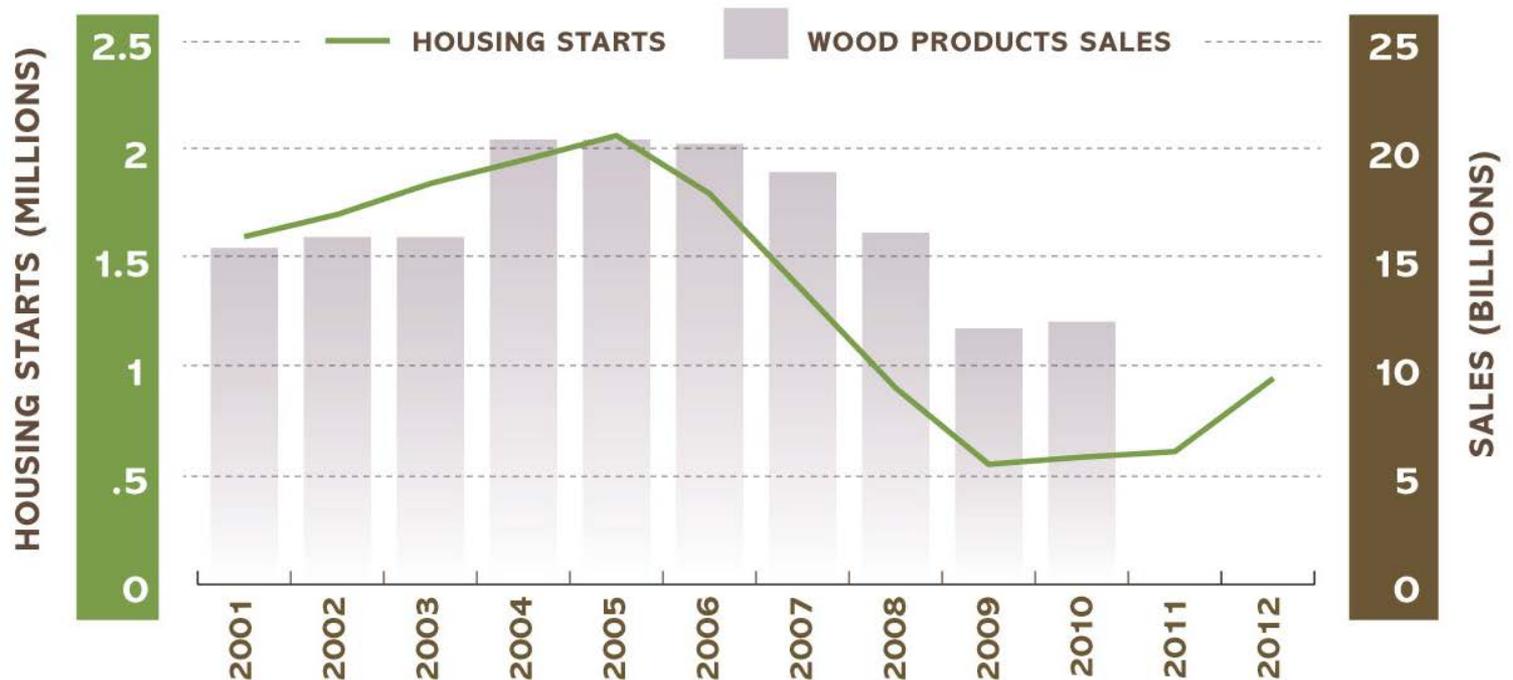
(million square feet, 3/8" basis)

	2010	2011	2012	2013	2014	2015	% of U.S. total for 2015
Oregon	2,303	2,149	2,553	2,704	2,589	2,534	29%
Louisiana	996	1,111	1,236	1,251	1,191	1,195	14%
Washington	777	706	751	791	760	756	9%
Texas	809	750	763	726	700	671	8%
Georgia	591	571	649	609	589	588	7%
Mississippi	584	650	656	654	611	582	7%
Arkansas	867	837	470	505	520	481	5%
...							
TOTAL U.S.	9,131	8,986	9,181	9,345	8,985	8,817	

Wood sales linked to housing



Sales value of Oregon wood products in relation to U.S. housing starts



Wood products sales are not available for 2011 and 2012.

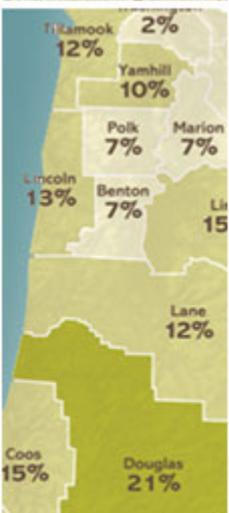


Recovery taking hold



**U.S. housing starts
have nearly doubled
since 2009**

The Promise of Mass Timber



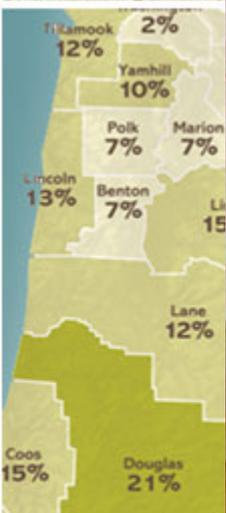
- Expanded wood markets
- Wood products innovation
- Rural economic development
- Carbon sequestration
- Renewable



Cross Laminated Timber – CLT



Albina Yard – Mass Timber



A topographic map of Oregon serves as the background. A white banner with a slight shadow is positioned across the upper middle of the map, containing the text 'OREGON'S FOREST SECTOR' in green, bold, sans-serif capital letters. The map shows contour lines, roads, and various geographical features. Labels on the map include 'Canyon City', 'Little Canyon Mtn', 'Wberry', 'MALHEUR', and 'NATIONAL'.

OREGON'S FOREST SECTOR

GROWING OREGON'S ECONOMY

Oregon's forest sector is a major contributor to Oregon's economy

The forest sector is poised to rebound, we're seeing it already via housing starts

Supply and manufacturing are huge issues as well as huge opportunities for the state

The Forest Report.org

THANK YOU



Oregon Forest
Resources Institute