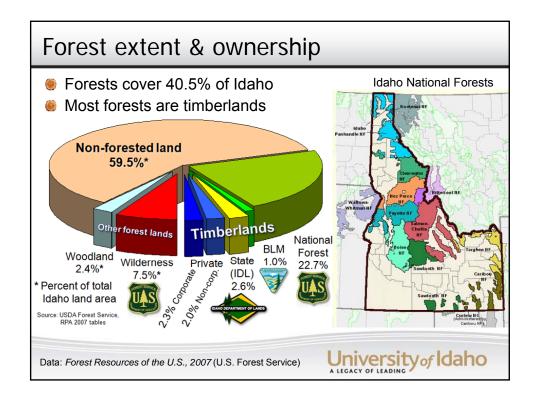
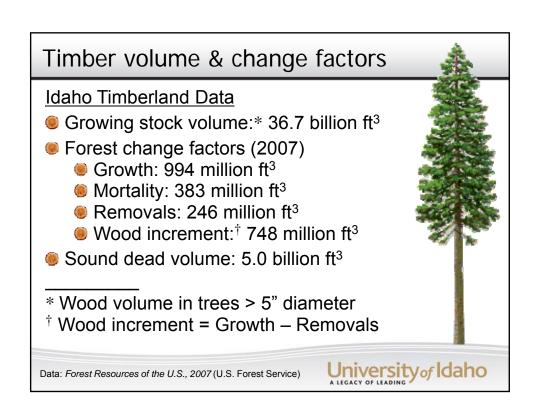
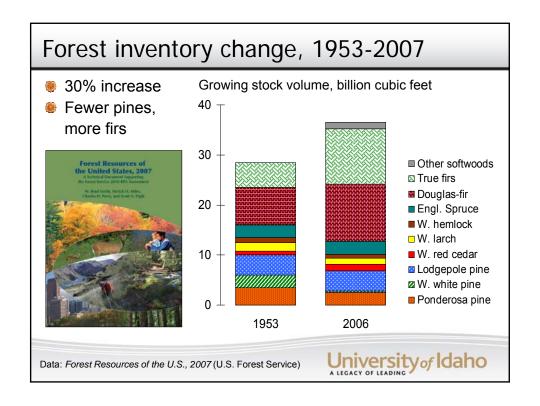
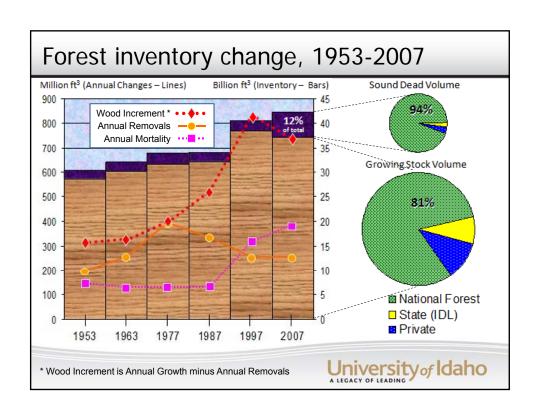
Idaho Forest By the Numbers Jay O'Laughlin, Ph.D. Idaho Forest Types Professor of Forestry & Policy Sciences Douglas-fir Ponderosa pine Western white p Director of the Policy Analysis Group College of Natural Resources University of Idaho 208-885-5776; jayo@uidaho.edu **OUTLINE** Forest management – "triple win" Forest extent & ownership Timber inventory trends Wildfire & carbon emissions Forest business sector contributions University of Idaho

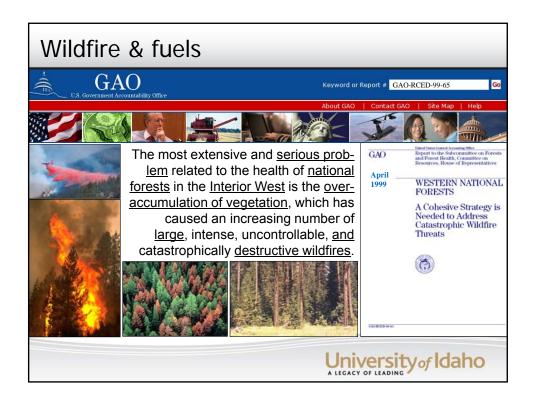


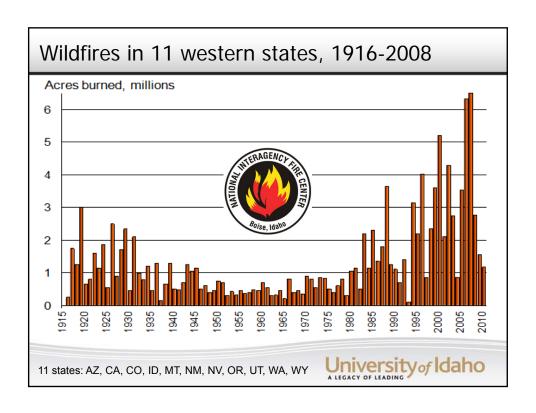


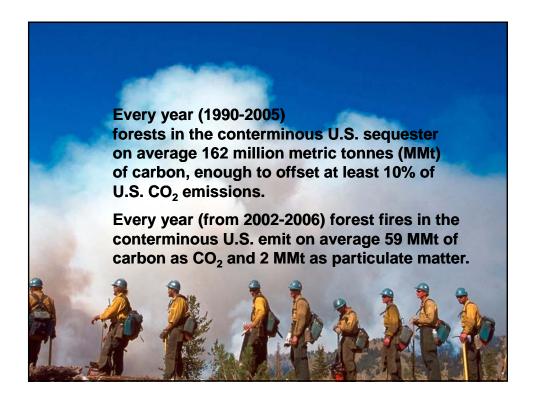












Wildfire, fuels & climate change

The overall importance of <u>climate</u> in wildfire activity underscores the <u>urgency</u> of ecological restoration and <u>fuels management</u> to <u>reduce</u> <u>wildfire hazards</u> to human communities <u>and</u> to <u>mitigate</u> ecological <u>impacts of climate</u> <u>change</u> . . .

A.L. Westerling, et al. (2006). "Warming and earlier spring increase western U.S. forest wildfire activity."

Science 313: 940-943.



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Wildfire, fuels & emissions



Although wildfires reduce the forest carbon <u>sink</u> function considerably, nevertheless due to tree growth Idaho's forests in an "average" year offset 88% of all fossil fuel combustion emissions in the State.

In an "average" wildfire year in Idaho, CO₂ emissions are equivalent to 3.6 million cars.

In 2006 Idaho wildfire emissions equalled 160% of all fossil fuel burning emissions. Because of more wildfire activity in 2006, Idaho wildfire emissions were equivalent to 6.4 million cars.

Even so, in 2006 Idaho's forests were a net sink for atmospheric carbon.



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