

HB 3412 Testimony

House Committee on Rural Communities, Land Use and Water

April 7, 2015



The Clatskanie (Oregon) Chief , 2007

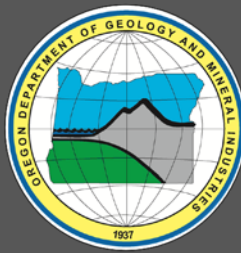
Ian Madin, Interim State Geologist & Director
Department of Geology and Mineral Industries
[www. OregonGeology.org](http://www.OregonGeology.org)





Landslide in Astoria

Landslide Hazard Mitigation

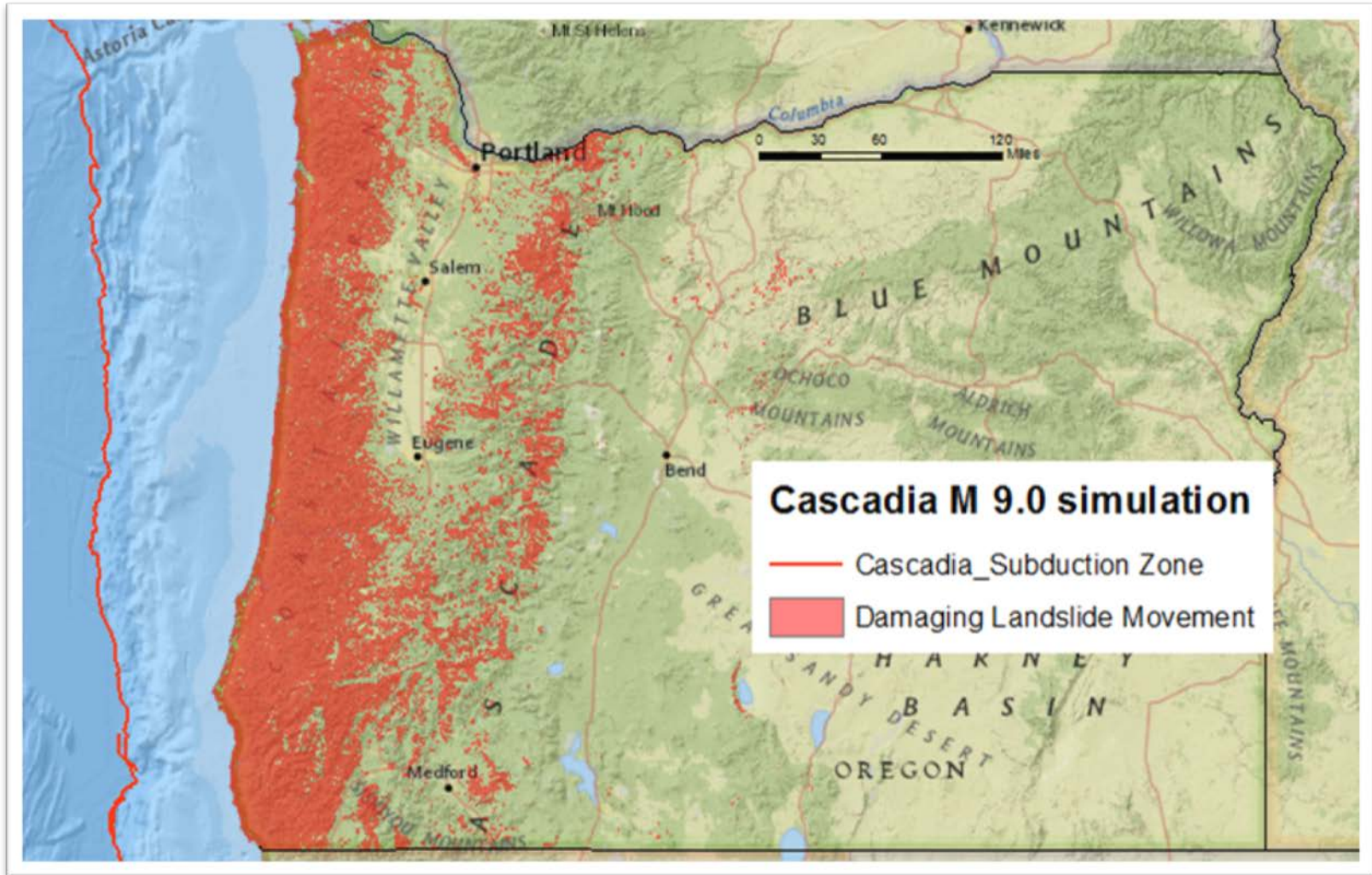


Oregon: A history of landslides

- Estimated annual losses of \$10 million
- Loss of life, higher \$ losses during weather events



Oregon is extremely landslide prone

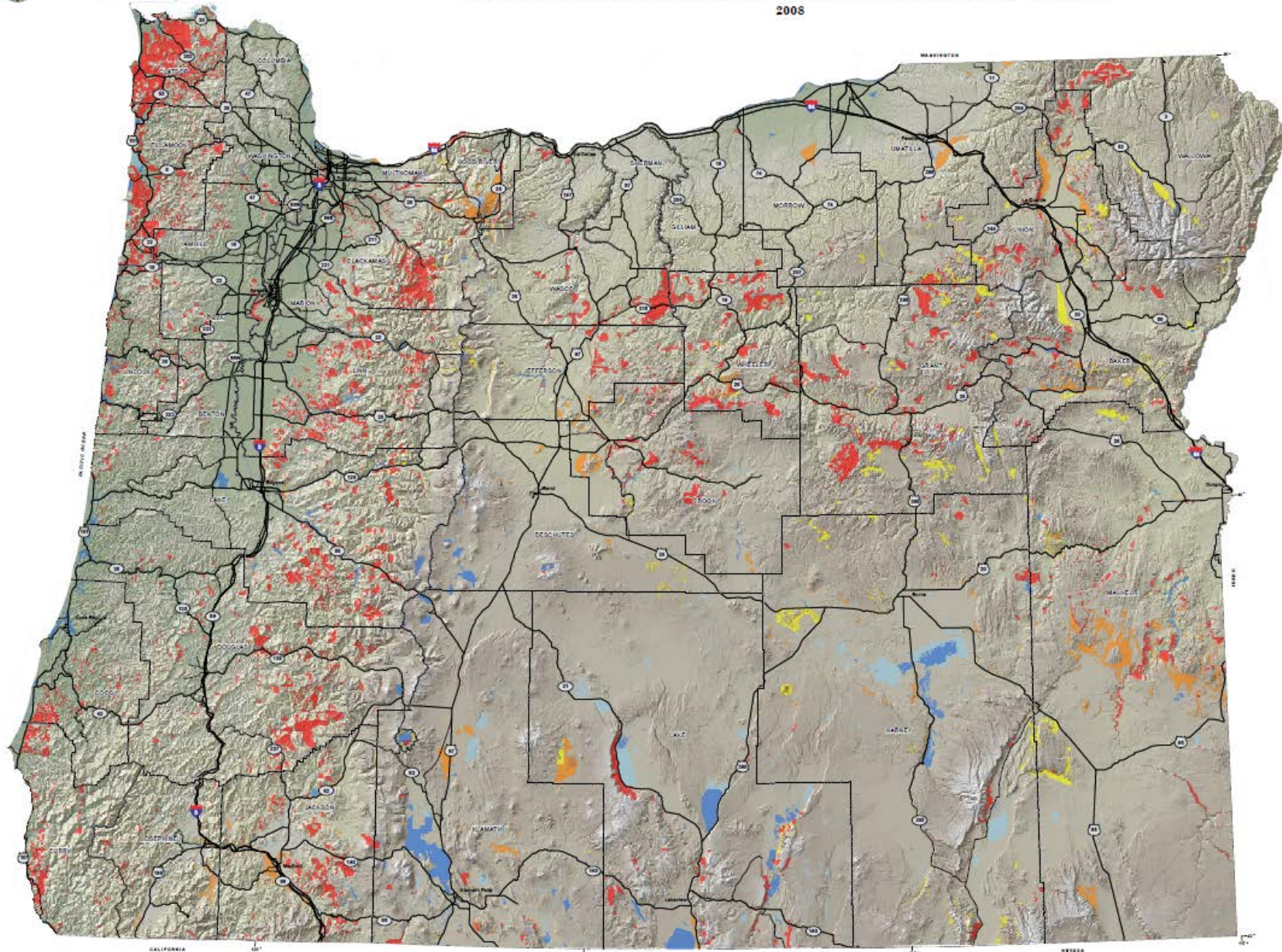


DOGAMI maps hazards and risk



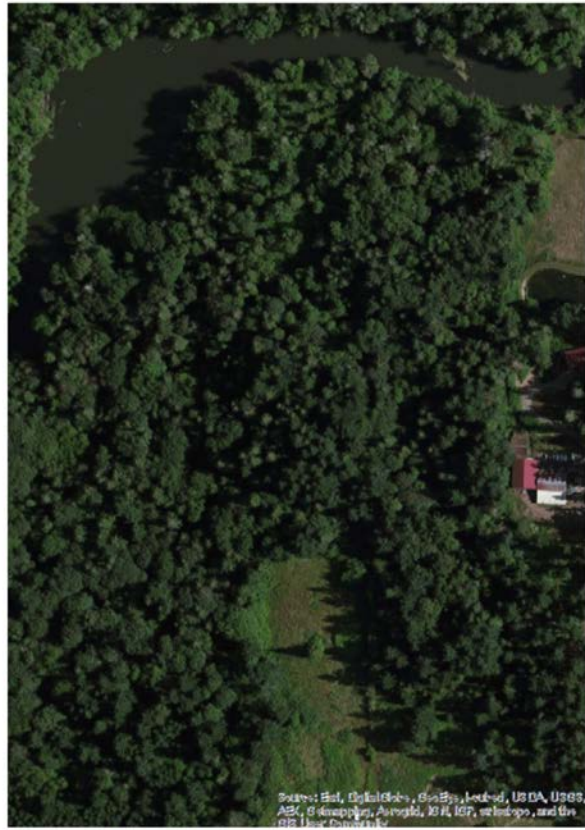
Statewide Landslide Information Database for Oregon (SLIDO) - Release 1

2008

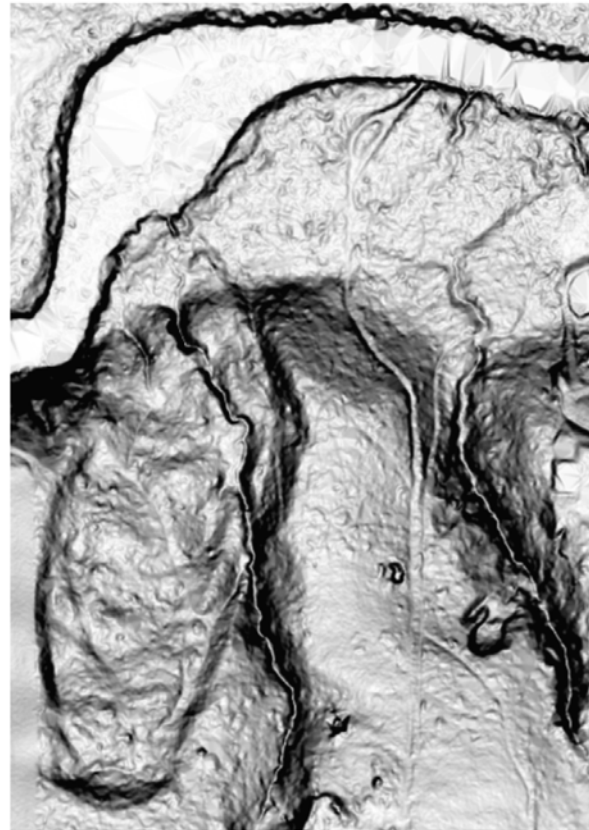


Lidar revolutionized landslide mapping

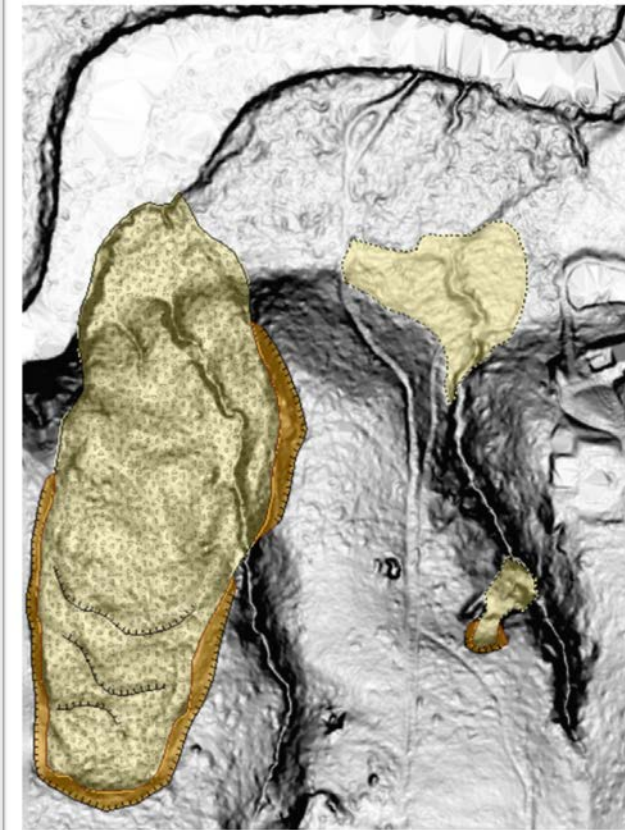
Tualatin River, Washington County



Aerial Photograph

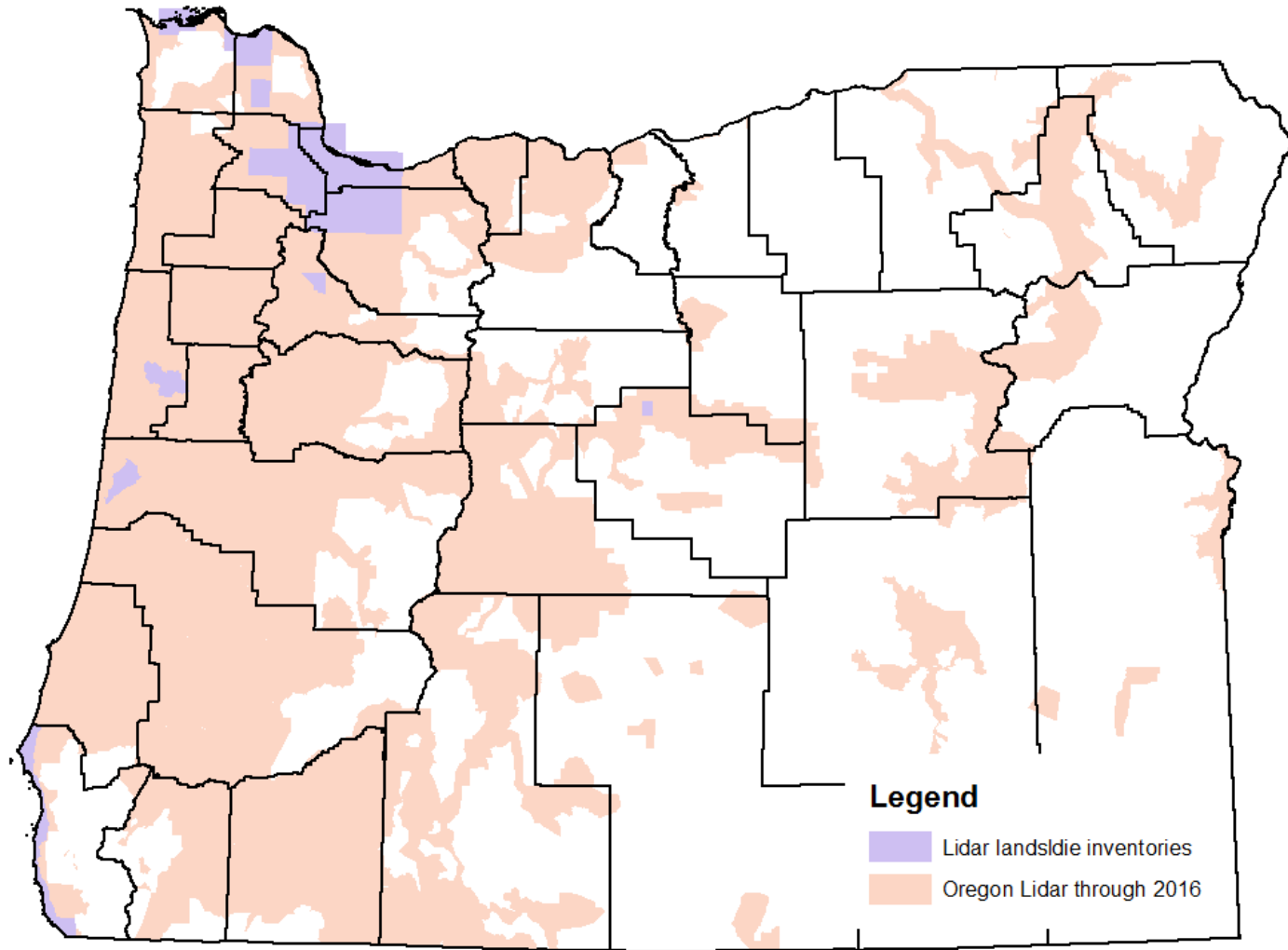


Bare Earth Lidar



Landslide Inventory Map

Lidar improves landslide inventories

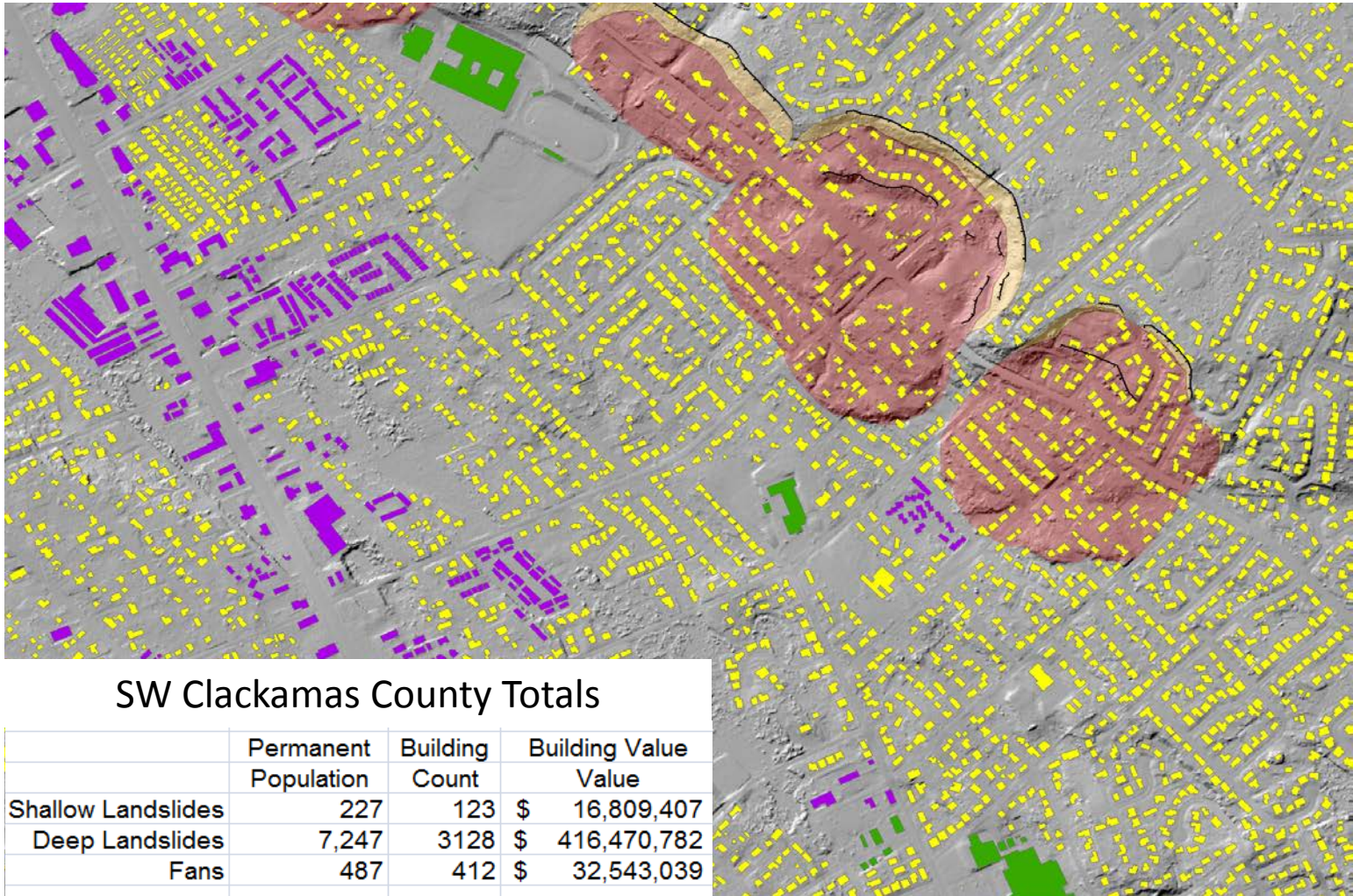


Mapping existing landslides is essential

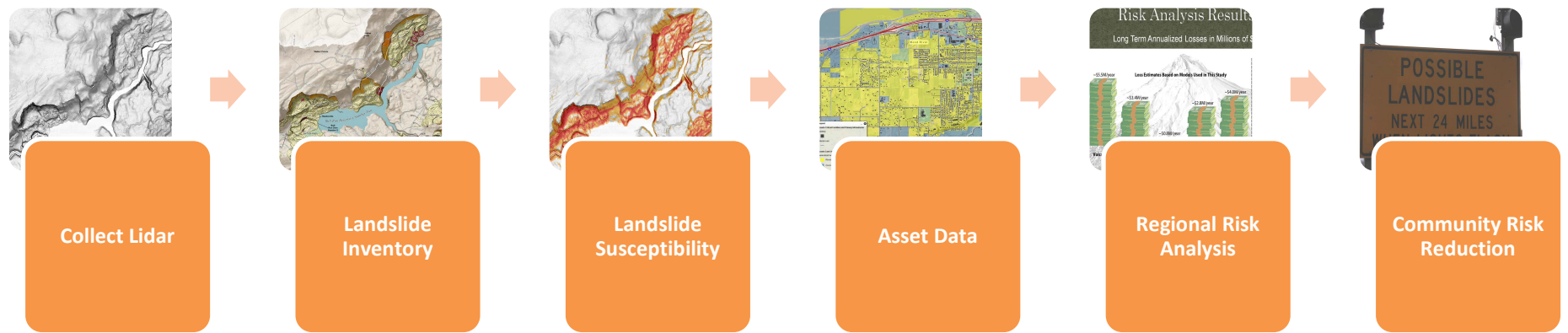


Development on existing landslides creates risk

Clackamas County Landslide Hazard and Risk Study



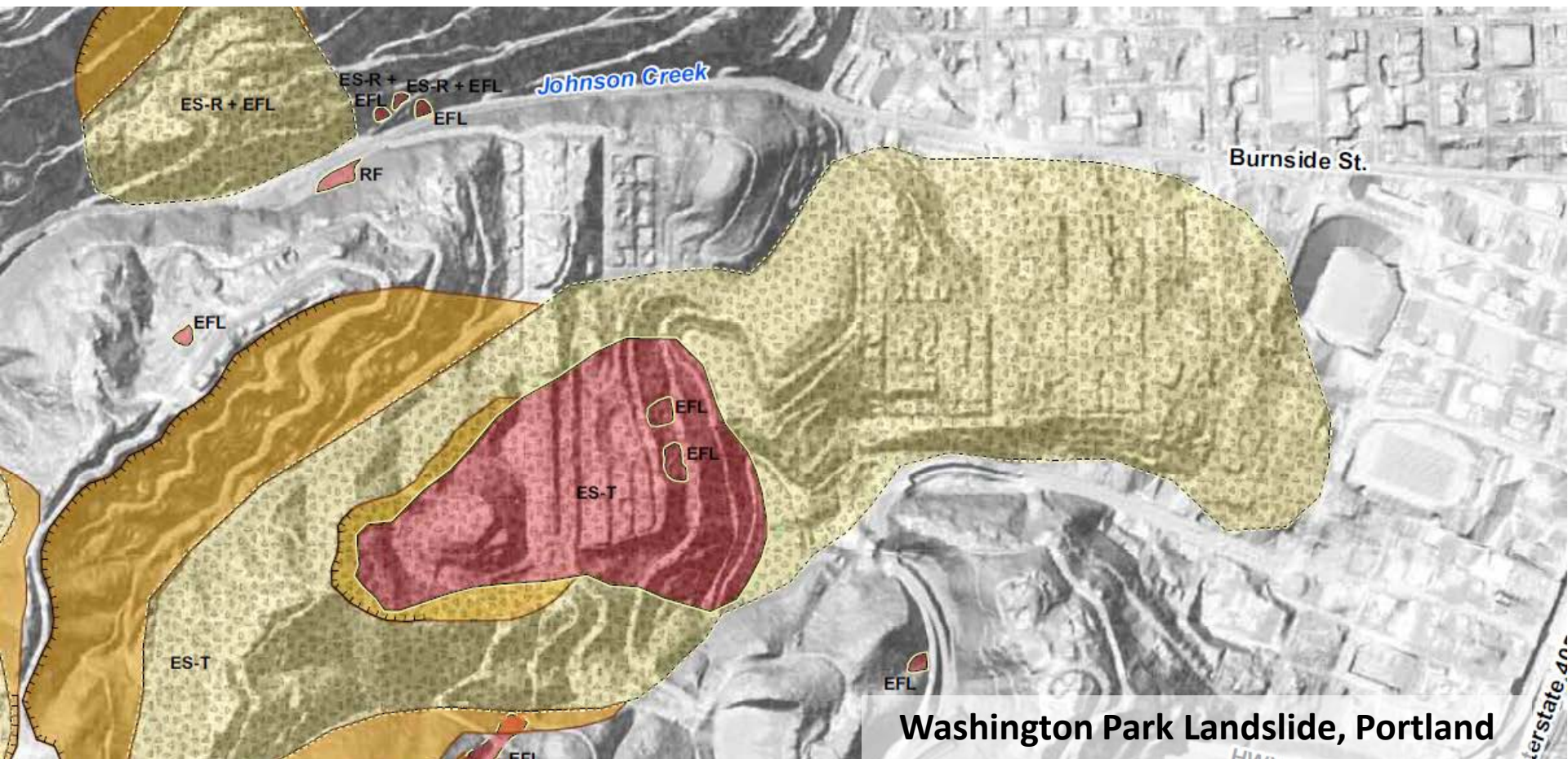
Landslide risk reduction process





Oregon does not have a systematic, prioritized statewide landslide hazard mitigation program





Washington Park Landslide, Portland

Thank you

