

125th Anniversary of the Washington Geological Survey

Bretz

1918: Placer miners on Skookum Creek, Whatcom County

February 25, 1890: Washington **Geological Survey Act** establishes Office of the State Geologist

> 1893 – 1901: Survey inactive due to lack of appropriations

> > 1900

published first geologic map, Geologic Map of the Republic District

1910: Survey

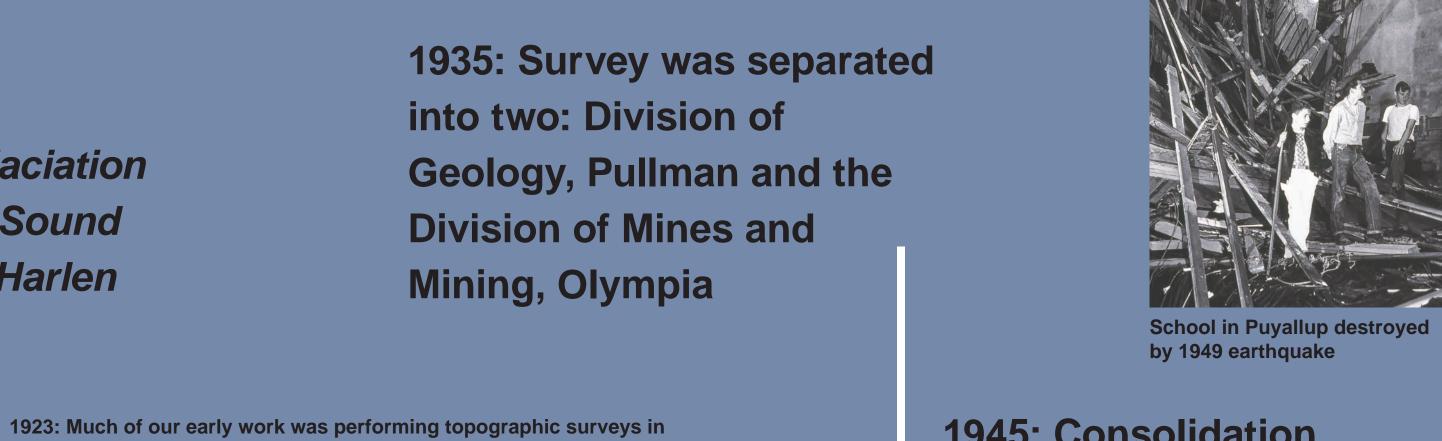
1913: Survey published *Glaciation* of the Puget Sound Region by J Harlen

cooperation with the U.S. Geological Survey

1920

1935: Survey was separated into two: Division of Geology, Pullman and the **Division of Mines and** Mining, Olympia

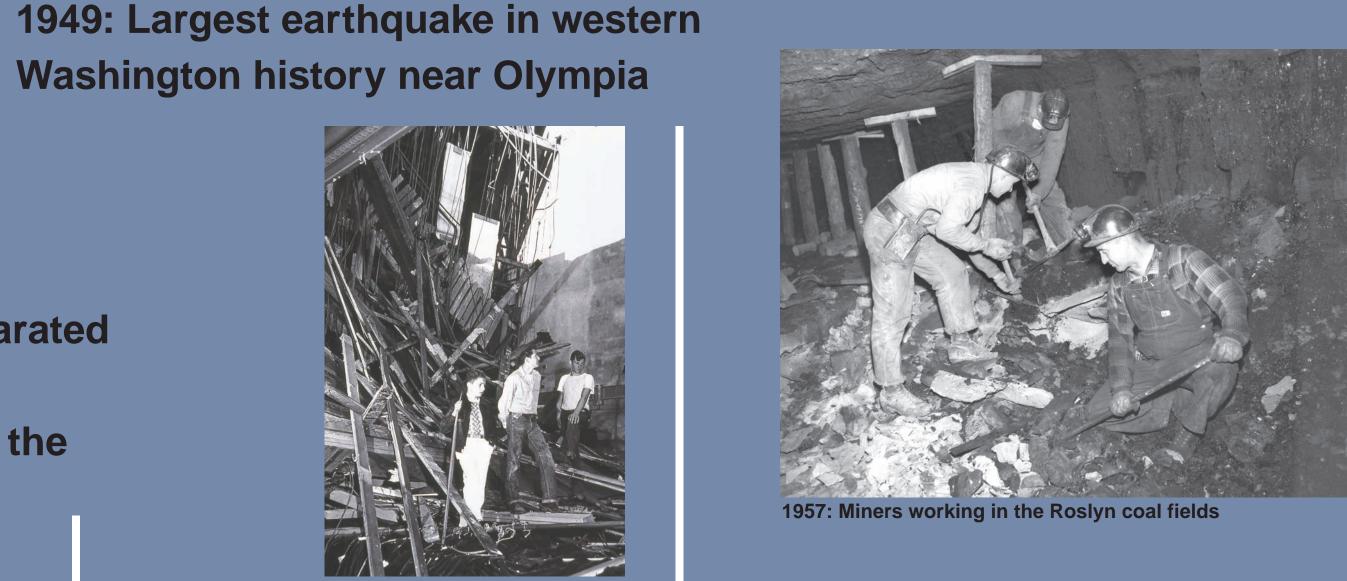
1930



1945: Consolidation of Division of Geology and **Division of Mines** and Mining into **Division of Mines** and Geology, Olympia

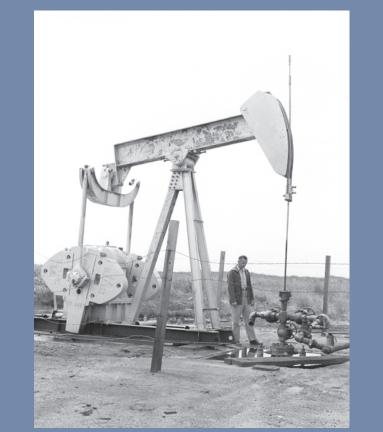
1936: First statewide geologic map published

1940



1951: Oil and Gas **Conservation Act** passed

1962: Pump on Sunshine Mining Co. Medina no. 1 oil production well, Grays Harbor County



1950

1964: Tsunami on outer coast from Alaskan earthquake

1960

1968: Survey tranferred from the Department of Conservation to the **Department of Natural** Resources, Olympia

> **1973: Survey** becomes the **Division of** Geology and Earth Resources

> > 1980: Eruption of Mount St. Helens

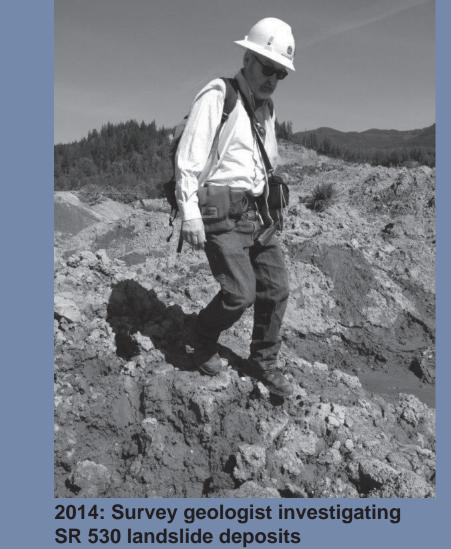
1974: First active fault in Washington mapped

1980

1978: Petrified

wood became

1994: Metals Mining and Milling **Operations Act** passed



2004 – 2008: Eruption of Mount St. Helens

1998: Columbian mammoth became state fossil

2000

2005: Survey released statewide 1:100,000-scale

digital geologic map

2010 2015

1890: George A. **Bethune appointed** as the first State Geologist

1890

1901: Washington Geological Survey established at the University of Washington, Seattle

1910



~1910: Miner working the Boundary Red Mountain gold mine, Whatcom County

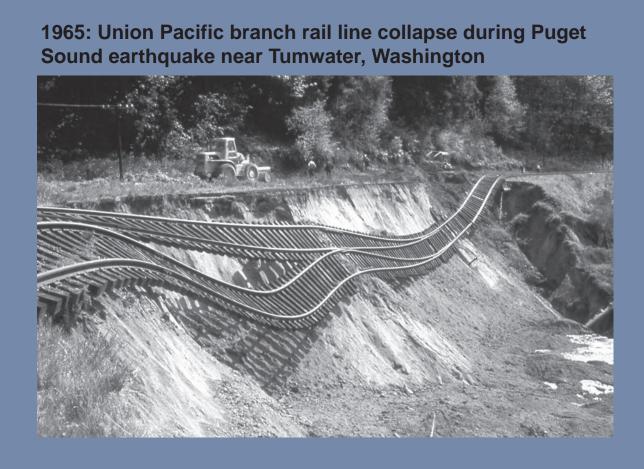
1920: Department of Conservation and Development formed and **Division of Geology** put under its jurisdiction at **Washington State** College, Pullman

the south Puget Sound region prompted placement of state's first strong motion 1935: Washington instrument in **Geology Library** Olympia

1946:

Earthquake in

1960: Survey published *Inventory* of Washington Minerals



1965: Puget Sound

earthquake near

1971:

1970

Passage of the Surface Mining Act

> state gem 1974: Passage of the Geothermal Resources Act

2001: Collapse of parapet of Washington Federal Savings

1990

2001: Nisqually earthquake

2002: Survey published statewide 1:250,000-scale geologic maps

landslide

2009: Nile

2014: SR 530 landslide

2006: Survey released Washington **Geologic Information Portal interactive** map site



1890 George A. Bethune

1896 Henry





1921 Solon Shedd

1925 Dr. Harold E. Culver



created

Sheldon L. Glover



1957 Marshall T. Huntting

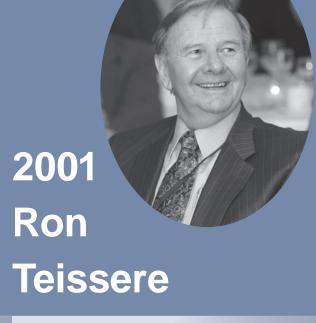
Seatac



Raymond







Norman