

Geologic Applications in the Pacific Northwest: Student Poster Projects from ES473 Environmental Geology, Spring Term 2016, Western Oregon University**Session Abstract:**

This theme session involves presentation by 16 WOU Earth Science students enrolled in ES473 Environmental Geology, spring term 2016. The diverse student population includes Earth science/geology majors, science education majors and minors working on biology, chemistry and environmental studies degrees. This session forms part of a team learning activity in which participants select relevant topics for in-depth study and present scientific posters at the May meeting of the Oregon Section of the Association of Environmental & Engineering Geologists. The focus is on geologic applications to socially relevant environmental problems in the Pacific Northwest. This compilation of work provides an overview of critical issues associated with river restoration, dam removal, environmental health, forestry practice, seismic hazards and water resources.

Takano:	Fish Passage Restoration as a Pathway for Salmonid Recovery in Western Oregon
Collins:	The Role of Beaver Dams in Riparian Habitat of the Pacific Northwest
Edwards:	Hydraulic Connectivity of Floodplains and Channels as Restoration Strategy in the Willamette Valley
Hubbard:	Geomorphic Effects of Dams on River Systems
Lucas:	Dam Removal and River Restoration in the Klamath Basin
Solvedt:	The Occurrence of Arsenic in Groundwater Systems of Western Oregon
Pomeroy:	The Effects of Forest Roads on Hillslope Hydrology and Sedimentation in the Western Cascades
Welter:	Hydrogeomorphic Response to Forestry Practice in Mountainous Watersheds of Western Oregon
Higgins:	The Influence of Timber Harvest on Sediment Transport in the Western Cascades
Inman:	Debris Flow Hazards in the Central Oregon Coast Range
Childers:	Radon-Related Health Issues in Oregon
Smith:	Medical Geology and Public Health
Warren:	Seismic Hazards in Willamette Valley
Rodgers:	Tsunami Hazards in Coastal Oregon
Rostad:	Seismic Preparedness in Western Oregon
Cardenas:	Regional Hydrology and Water Resource Issues in the Umatilla Basin