



Trevor Contreras, L.E.G

Landslide Hazards Geologist

Trevor is a Licensed Engineering Geologist with the Landslide Hazards Program, where he studies landslides and helps communities understand and mitigate landslide hazards. He has worked for the WGS since 2006 in various positions and in the Forest Practices Division helping foresters understand landslides and evaluate timber harvest proposals. Prior to working for the Survey, he worked for the Washington Department of Ecology, regulating well drilling and water well construction.



Job Responsibilities

Mapping and evaluating landslides hazards, responding to landslide emergencies, helping communities identify post-wildfire debris flow hazards.

Professional Interests

Landslides, Puget Lowland glacial stratigraphy, geophysics and dendrochronology, communicating with the public about geologic hazards, promoting geology as a career to students, showcasing the great work we do at WGS.



Collecting tree ring samples for establishment and fire history on an alluvial fan.

Skills

Field mapping of bedrock and glacial deposits, utilizing various geochronology techniques, evaluating landslides and potentially unstable slopes, using tree-ring data to date geologic events, geophysical techniques, ArcGIS.

Professional Experience

- Geologist, Qualified Technical Expert at evaluating unstable slopes and timber harvests, Washington Department of Natural Resources Forest Practices Division, Olympia, WA
- Geologist, Geologic mapping in the tectonically active glaciated Puget Lowland, Washington Geological Survey, Olympia, WA

Education

- M.S. Geology with a focus on groundwater and geophysics, University of Oregon, Eugene, OR
- B.S. Geology, University of Oregon, Eugene, OR

Personal Interests

Stone sculpting, fossil collecting, tinkering.