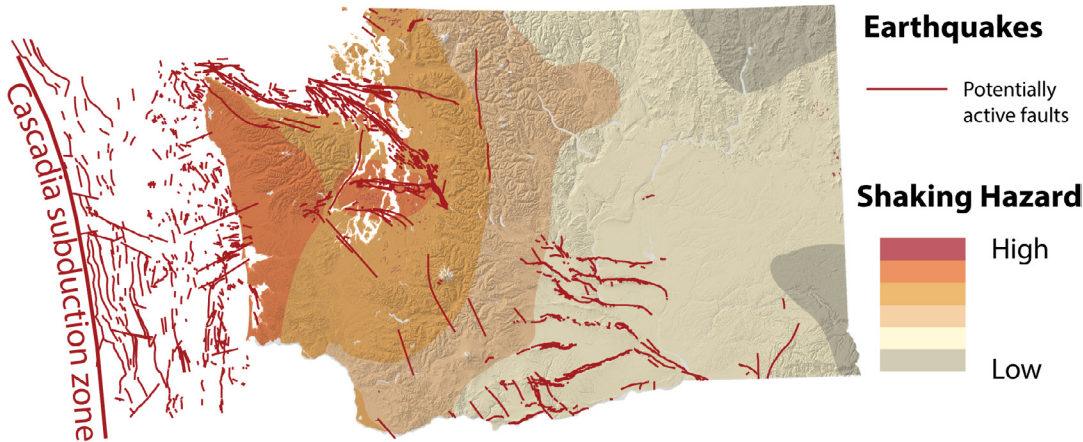




# Mapping Earthquake & Tsunami Hazards

## 2018 Supplemental Operating Request



### IDENTIFYING HAZARDS IN ADVANCE CAN SAVE BILLIONS OVER DISASTER RESPONSE

Washington faces the second highest risk from earthquakes, and one of the highest for tsunamis in the nation, yet remains the only west coast state that does not have an inventory of the seismic hazard for critical infrastructure.

In addition, many communities along the coast have either outdated tsunami inundation maps - or no maps at all.

A Cascadia subduction zone earthquake and tsunami would cause more than \$50 billion in damages and more than 10,000 deaths in Washington state.

**REQUEST: \$543,200 for FY2019 and an ongoing appropriation of \$493,200 to hire two geologists and one IT technician to identify and map earthquake and tsunami hazards.**

- DNR will produce:
  - tsunami and earthquake hazard maps;
  - an inventory of the geologic risks to critical infrastructure like ports, schools and hospitals; (this will take 10 years with the addition of one staff member from this decision package and will not happen if no funding is appropriated)
  - critical information for emergency responders to build quick response plans;
  - reliable data for city and county planners to use in zoning determinations;
  - tsunami evacuation maps for all coastal communities;
  - public education tools for geologic hazards.

Washington is the only west coast state that does not have an inventory of the seismic hazard for critical infrastructure.

**Contact:**  
**Dave Norman**  
State Geologist,  
Washington Geological Survey  
360.902.1439  
dave.norman@dnr.wa.gov