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Dr. Patton is in the Seismic Hazards Program and the Tsunami Unit at the California Geological Survey where he specializes in tsunami hazards mapping and using subduction zone and other tsunami sources for Probabilistic Tsunami Hazard Assessment (PTHA). Patton's background is in marine geology, paleoseismology (studies of prehistoric earthquakes and tsunami), sea-level rise, and geodesy (tectonic deformation). Patton has been studying the tectonics of the Cascadia subduction zone for almost three decades. Patton serves as the state of California Science Advisor to the National Tsunami Hazard Mitigation Program (NTHMP), as well as a co-chair for the NTHMP Mapping and Modeling Subcommittee.

Education & Accomplishments

- PH.D in Marine Geology, Paleoseismology from Oregon State University
- Masters Degree from Humbolt State University in Geology
- Professional Geologist ##9758