

OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

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Publication details Johnson Creek Landslide in Lincoln County

Portland, Oregon: The Oregon Department of Geology and Mineral Industries (DOGAMI) has released **SPECIAL PAPER 40, FINAL REPORT: JOHNSON CREEK LANDSLIDE RESEARCH PROJECT, LINCOLN COUNTY, OREGON** by George R. Priest, Jonathan A. Allan, Alan R. Niem, Wendy A. Niem, and Stephen E. Dickenson.

This is the final report of a five-year investigation by the Oregon Department of Geology and Mineral Industries and the Oregon Department of Transportation (ODOT) on the Johnson Creek Landslide in Lincoln County. The ODOT Research Program sponsored the project in cooperation with the Federal Highway Administration in order to gain a better understanding of the mechanics of large translational landslides affecting Tertiary sedimentary rocks along the U.S. west coast. The U.S. Geological Survey Landslide Hazards Program became a partner in the project in 2005 with similar aims. The slide is less than ¼ mile south of Otter Rock, Oregon and impacts U.S. Highway 101, two private structures and local utilities. It is clearly visible on 1939 aerial photos and causes a westward deflection of Highway 101.

The Oregon Department of Geology and Mineral Industries is an independent agency of the State, and has a broad responsibility in developing a geologic understanding of natural hazards. We then make this information available to communities and individuals to help reduce the risks from earthquakes, tsunamis, landslides, floods and volcanic eruptions. We assist in the formulation of state policy where an understanding of geologic materials, geologic resources, processes, and hazards are key to decision-making. The Department is also the lead state regulatory agency for mining, oil, gas and geothermal exploration, production and reclamation.

Learn more about Oregon's geology by going online at:

<http://www.OregonGeology.org>

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