

OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

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Southwestern Oregon coast mapped

New geologic map refines our understanding of this complex area

PORTLAND, Oregon: The Oregon Department of Geology and Mineral Industries has released **Open-File Report O-13-21, Geologic map of the southwestern Oregon coast between Crook Point and Port Orford, Curry County, Oregon.**

It provides an updated and spatially accurate geologic framework for the southwestern Oregon coast in westernmost Curry County. This work refines our understanding of geologic conditions that control the distribution, quantity, and quality of groundwater resources, the distribution of terrain susceptible to landslides and seismic hazards, and areas of potential aggregate and other mineral resources. The publication provides a basis for future geologic, geohydrologic, and geohazard studies for the area.

"We understand this area's complex geology much better now, thanks to lidar mapping technology," says Jason McClaughry, DOGAMI geologist and project lead. "The new map will allow us and partner agencies to focus on areas that need more study for hazards, mineral resources, and water issues."

This geologic mapping is part of a multi-year project, begun in 2012, to map the southwestern Oregon coast from the California border north to Coos Bay. The project is a high priority of the Oregon Geologic Map Advisory Committee and was supported in part during 2012 and 2013 by the U.S. Geological Survey (USGS) STATEMAP component of the National Cooperative Geologic Mapping Program under assistance award G12AC20184.

*>> Extent of the mapped area
in southwestern Oregon.*



DOGAMI's mission is to provide earth science information and regulation to make Oregon safe and prosperous.

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Mapping is continuing in 2013 and 2014, with additional work between Port Orford and Bandon.

The publication CD contains an Esri ArcGIS® v10.1 (SP 1) geodatabase, GIS shapefiles, four 1:24,000-scale geologic map plate PDFs (each 34 x 34 inches), a 55-page pamphlet PDF describing the geology, and data spreadsheets.

To preview this publication, visit:

<http://www.oregongeology.org/pubs/ofr/p-O-13-21.htm>

DOGAMI Open-File Report O-13-21 can be purchased on CD-ROM for \$30 each from the Nature of the Northwest Information Center (NNW), 800 NE Oregon Street, Suite 965, Portland, Oregon, 97232. You may also call NNW at (971) 673-2331 or order online at <http://www.NatureNW.org>. There is a \$4.95 shipping and handling charge for all mailed items.

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The Oregon Department of Geology and Mineral Industries is an independent agency of the State and has a broad responsibility in developing an understanding of the state's geologic resources and natural hazards. The Department then makes this information available to communities and individuals to help inform and reduce the risks from natural hazards, such as earthquakes, tsunamis, landslides, floods and volcanic eruptions. The Department assists in the formulation of state policy where an understanding of geologic materials, geologic resources, processes, and hazards is 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 online: <http://www.OregonGeology.org>

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