

OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

Vicki S. McConnell, State Geologist



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New digital geologic map of the Hood River Valley, Hood River and Wasco Counties, available

Portland, Oregon: the Oregon Department of Geology and Mineral Industries (DOGAMI) has released a new geologic map and associated geodatabase for the Hood River Valley area.

The Digital Geologic Map of the Hood River Valley was prepared to provide an updated and more spatially accurate geologic database and map for the area. The datasets in the Hood River digital geologic map are managed in a Geographic Information System (GIS), where the data can be displayed, analyzed, and viewed interactively with other data. Specialty GIS software is required to access and view the data.



The Hood River Valley of north-central Oregon is a narrow fault-bounded half-graben lying along the crest of the Cascade Range. This area is a major artery of transport and commerce in Oregon, traversed by U.S. Interstate 84 and the Union Pacific main east-west railroad line.

“This work refines our understanding of geologic conditions in the Hood River area that control the distribution of groundwater resources, the distribution of terrain susceptible to landslides, seismic hazards, and delineates areas of potential aggregate and other mineral resources,” according to Jason McClaughry, DOGAMI Eastern Oregon Regional Geologist. “The geologic map and database also provide a basis for future geologic, geohydrologic, and geohazard studies in the Hood River Valley.”

Preview this publication, DOGAMI Open-File Report O-12-03, Digital Geologic Map of the Hood River Valley, Hood River and Wasco Counties, Oregon, at: <http://www.oregongeology.org/pubs/ofr/p-O-12-03.htm>

Open-File Report O-12-03 can be purchased on DVD for \$30 each from the Nature of the Northwest Information Center (NNW), 800 NE Oregon Street, Suite 965, Portland, Oregon, 97232. A color plot of the map plate is available for \$40 each. You may also call NNW at (971) 673-2331 or order online at <http://www.NatureNW.org>. There is a \$4.95

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

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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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