

OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

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Central Oregon, Central Cascades geology is now interactive on the web

Portland, Oregon: What kind of rocks are under my house? Are there earthquake faults nearby? How old are the rocks in the Cascades?

You can answer these questions and learn much more of the geology of Oregon on a newly updated website from the Oregon Department of Geology and Mineral Industries (DOGAMI).

DOGAMI has completed the first three years of a planned six-year project to digitally compile geologic data for the entire state. A subset of the **Oregon Geologic Data Compilation (OGDC-3)** from the first three years of work is available to view on the web and includes central and eastern portions of the state.

Go to: <http://www.OregonGeology.com> to use the website.

“Anybody who is curious about the rocks and geology where they live will appreciate this new interactive website,” said James Roddey, Earth Sciences Information Officer with DOGAMI. “We’ve had the website online for about a year and recently we’ve made numerous upgrades and enhancements, including a new interactive fault layer and new pop-up describers for rock properties and themes. We’ve added the central portion of the State and we’ve got new features that will appeal to teachers, students and especially land use planners and geotechnical engineers.”

The newly added Central Oregon data set includes some of the fastest growing areas of the state including Bend, Redmond and Prineville. Users will also be able to zoom in on some of the most popular recreation areas in the central Cascades – Mt. Bachelor, the Three Sisters, the Cascade Lakes region – and Newberry National Volcanic Monument and the John Day Fossil Beds National Monument.

On the interactive website at: <http://www.OregonGeology.com> you can view

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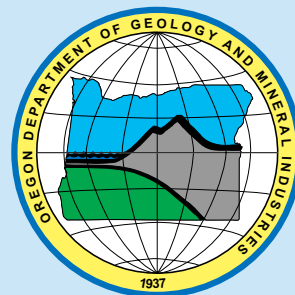
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Oregon stratigraphy, rock type, and rock property theme maps on topographic and shaded relief backdrops along with faults, formation boundaries, and USGS 7.5' topographic quadrangle outlines and names.

The purpose of the Oregon Geologic Data Compilation project is to assemble the best available geologic map information for the entire state by integrating the work of many individual geologic mappers into a vector digital data set. The data are stored in a geographic information system (GIS) format with links to a relational database. The compilation is thus a "living map" that can change as new information becomes available. This effort brings together the best available geologic mapping from state and federal agency sources, student thesis work, and consultants, although viewers are cautioned that the website itself is a work in progress.

The Oregon Geologic Data Compilation team includes Margaret D. Jenks, Paul E. Staub, Mark L. Ferns, Ian P. Madin, Lina Ma, Clark A. Niewendorp, and Deborah Schueller, all with DOGAMI and Ed Taylor, retired UO geology professor. The web map application is headed by David Percy, Research Faculty, Geospatial Data Manager, Department of Geology, Portland State University.

For further information about the complete data set on CD-ROM, please contact Paul Staub at (971) 673 -1548 for spatial data questions. Contact Margi Jenks at (971) 673-1546 for questions regarding the tabular database. Knowledge of and access to GIS and database software applications are essential to the use of the CD version of the compilation.

Oregon Geologic Data Compilation - Version 3 (OGDC-3) is available on CD-ROM for \$25. It can be purchased from the Nature of the Northwest Information Center (NNW), 800 NE Oregon Street, Suite 177, Portland, Oregon, 97232. You may also call NNW at (503) 872-2750 or order online at <http://www.NatureNW.org>. There is a \$3 shipping and handling charge for all mailed items. For additional information, please contact the Nature of the Northwest Information Center. Additionally, this item as well as all department maps can be purchased at DOGAMI Field Offices including 5375 Monument Drive, Grants Pass, (541) 476-2496 and 1510 Campbell Street, Baker City, (541) 523-3133.

Learn more about Oregon's geology by going online at:
<http://www.OregonGeology.com>

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