

OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

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Digital Geologic Compilation Map of Part of Western Oregon Released

Portland, Oregon: The Oregon Department of Geology and Mineral Industries (DOGAMI) has released **Open File Report O-08-13, Preliminary Digital Compilation Map of Part of Western Oregon** By Ray E. Wells, Alan R. Niem, George R. Priest, Lina Ma, Clark A. Niewendorp, and Ian P. Madin

This preliminary map is part of the fifth phase of a multi-year project to develop a digital statewide geologic map and to compile this geologic information into database form for the entire state. This effort brings together the best available geologic mapping and data from all relevant published and unpublished sources: state and federal agencies, university thesis work, and other documents. Open-File Report O-08-13 is a visual representation of the data compiled for the western part of Oregon and includes the area from Salem to Roseburg north to south and from the Cascades to the coast east to west. Digital data will be released at a later time and will be incorporated into the statewide Oregon Geologic Data Compilation (OGDC).

This open-file report map depicts a spatial database of GIS files of the surface geology of the area. The data were derived from 58 source maps and include 973 unique geologic units defined by the various source map authors. To help make sense of this large number of units, each original, unique unit has been assigned to one of 327 geologic merge units on the basis of age, lithology, and stratigraphy. The map presented here is a further simplification of those 327 units. This map was compiled at a nominal scale of 1:100,000 on a mosaic of 1:100,000 DRG base maps. The map presented here has a simplified base map and a scale of 1:175,000.

The most current version of the overall database (OGDC-4; the southeast, northeast, central and southwest Oregon Geologic Data Compilation data sets) is available for purchase on CD-ROM through the Nature of the Northwest (<http://www.naturenw.org/>) and includes both Geographic Information System (GIS) files for the geologic polygons and a Microsoft Access format database with complete unit description data from the original source maps. A simplified version of the database that includes the southeast, northeast and central portions of Oregon can be viewed online at: <http://www.oregongeology.com/sub/ogdc/>

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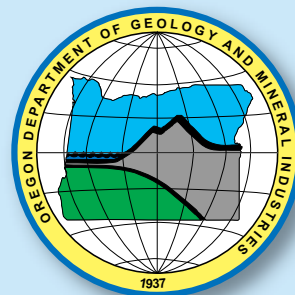
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Open File Report O-08-13 is available on CD-ROM for \$10. A printed copy of the map is available for \$15. They can be purchased from the Nature of the Northwest Information Center (NNW), 800 NE Oregon Street, Suite 177, Portland, Oregon, 97232. You may also call NNW at (503) 872-2750 or order online at <http://www.naturenw.org>. There is a \$4 shipping and handling charge for all mailed items.

For additional information, please contact the Nature of the Northwest Information Center. Additionally, these items as well as all department maps and publications 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.

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 fascinating geology by going online at:
<http://www.OregonGeology.org>

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