

OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

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Additional statewide Oregon geothermal data available

Aqueous fluid, direct-use site, power plant site, and volcanic vent data sets available for download

Portland, Oregon: The Oregon Department of Geology and Mineral Industries (DOGAMI) has released the following legacy agency geothermal information in geospatial format.

- **Aqueous Chemistry Information Layer for Oregon**, Release 1 ([AQILO-1](#)) is a geodatabase based on a content model for observation of the chemical composition of geothermally relevant aqueous fluid. It contains several "suites" of analytes as feature tables that represent common analysis results. Sample characterization, location, and analysis metadata is included for retrieval of analyses for specific samples, along with sample data.
- **Oregon Geothermal Direct-Use Sites**, Release 1 ([OGDU-1](#)) describes features that use geothermal energy directly without transformation to electricity. Geothermal systems in Oregon have been used since the 1960s for direct-use applications, such as space and district heating, aquaculture and horticulture, industrial, and spas.
- **Oregon Geothermal Power Plant Sites**, Release 1 ([ORGPP-1](#)) describes sites reporting geothermal electric power production, inactive power plants, and those under construction.
- **Volcanic Vents of Oregon**, Release 1 ([VVO-1](#)) is a compilation of active and inactive volcanic vent data. It was compiled from topographic maps and those shown on geologic maps.

Preview the data sets by clicking on the links above. The datasets 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 data sets may be downloaded from:

http://www.oregongeology.org/sub/gtilo/download_data.htm or
<http://geothermaldata.org/>

DOGAMI received American Recovery and Reinvestment Act of 2008 (ARRA) funding through the U.S. Department of Energy's Geothermal Technologies Program for the National Geothermal Data System to compile all DOGAMI legacy geothermal information and make it available to the public and industry.

AQILO-1, OGDU-1, ORGPP-1, and VVO-1 can also be purchased on a single CD-ROM for

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

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\$30 from the Nature of the Northwest Information Center (NNW), 800 NE Oregon Street, Suite 965, Portland, Oregon, 97232. Color plots of the map plates are 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 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.

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