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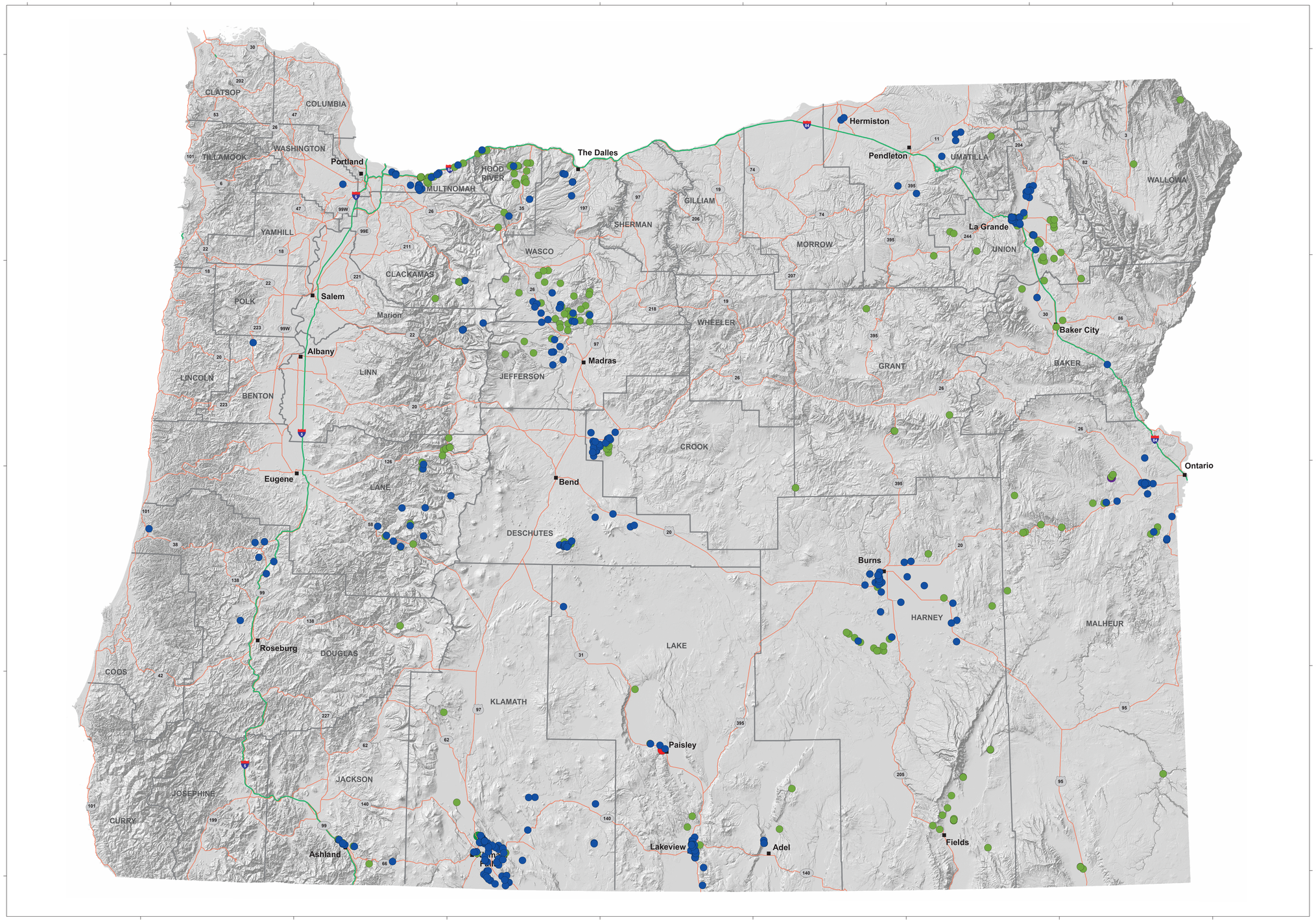
Location Map of Samples for the Aqueous Chemistry Information Layer for Oregon (AQILO-1)

2013



Projected Coordinate System:
NAD 1983 HARN Oregon Statewide Lambert Feet International
Projection: Lambert Conformal Conic
False Easting: 1312335.95800525
False Northing: 0.00000000
Central Meridian: -120.50000000
Standard Parallel 1: 43.00000000
Standard Parallel 2: 45.50000000
Latitude of Origin: 41.75000000
Linear Unit: Foot

Geographic Coordinate System: GCS North American 1983 HARN
Datum: North American 1983 HARN
Prime Meridian: Greenwich
Angular Unit: Degree

SCALE 1:500,000

10 0 10 20 30 40 MILES

10 0 10 20 30 40 50 KILOMETERS

AQUILO-1 compiled by Tracy R. Ricker and Clark A. Niewendorp
Oregon Department of Geology and Mineral Industries
Compiled in 2013

DIGITAL DATA SERIES

Aqueous Chemistry Information Layer for Oregon (AQILO-1)

By Tracy R. Ricker and Clark A. Niewendorp

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PLATE 1

NOTICE

This map cannot serve as a substitute for site-specific investigations by qualified practitioners. Site-specific data may give results that differ from those shown on the map. This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

INTRODUCTION

The Oregon Department of Geology and Mineral Industries (DOGAMI) received American Recovery and Reinvestment Act of 2008 funding to compile all DOGAMI legacy geothermal information and make it available to the public and industry. The Aqueous Chemistry Information Layer for Oregon (AQILO-1) publication is part of that work. AQILO-1 represents DOGAMI's geospatial database of chemical composition for geothermally relevant aqueous fluid.

AQILO-1 is provided in Microsoft® Excel® spreadsheet and Geographic Information System (GIS) geospatial geodatabase formats. The geodatabase of same name contains fields for sample characterization and location, combined with 11 "suites" of liquid and gas analytes representing common analysis results. The geodatabase is statewide in extent and contains 780 sample records with chemical analysis from one or more analyte suites. This map displays the locations of these data. Please read the shapefile metadata and visit http:/www.oregongeology.org for additional publication details.

Chemical composition of geothermally relevant aqueous fluids were compiled from DOGAMI's published and unpublished literature, along with some additional data compiled from the U.S. Geological Survey. The location of each sample shown in this map was not necessarily verified; refer to the original data source for additional information about location and location uncertainty (see metadata).

Free access to data used in AQILO-1 can be obtained via DOGAMI's website, http://www.oregongeology.org/sub/gtilo/download_data.htm, and via the National Geothermal Data System at http://geothermaldata.org/. Please contact the Nature of the Northwest Information Center to purchase AQILO-1 on CD-ROM.

Understand that these data are provided "as is" without warranty of any kind, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. The user assumes all responsibility for the accuracy and suitability of these data for a specific application. In no event will DOGAMI be liable for any damages, including lost profits, lost savings, or other incidental or consequential damages arising from the use of or inability to use the data.

MAP SYMBOLS

- Sample from spring
- Sample from well
- Interstate highway
- U.S. highway
- State highway
- City/town
- County boundary

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