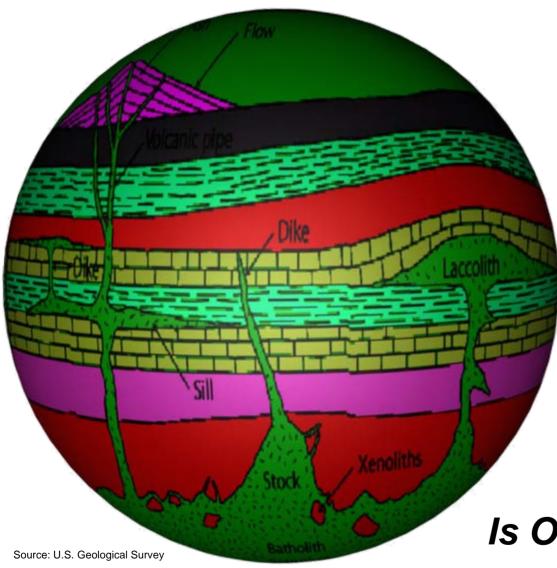


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Geothermal Resources Information Layer for Oregon

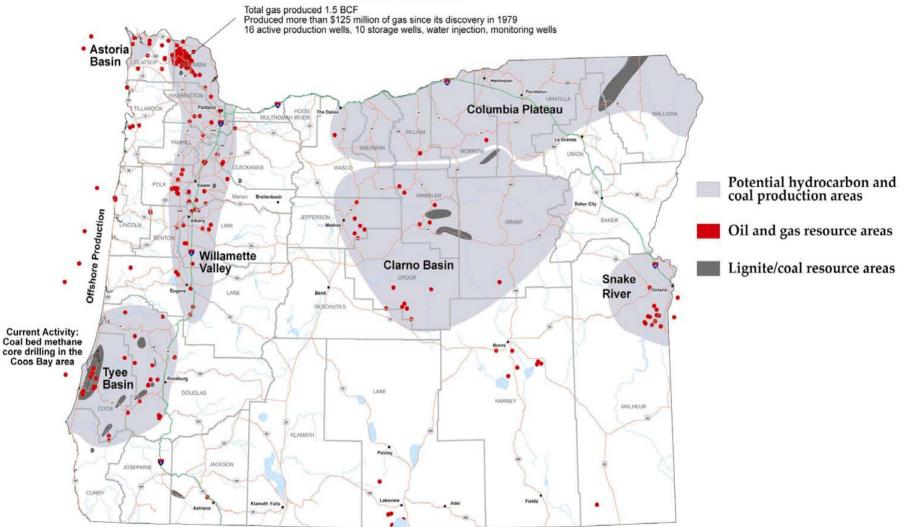
Is Oregon in Hot Water?



Oregon Geothermal Working Group

OREGON'S FOSSIL FUEL RESOURCES





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GTILO

Outcome....

 Statewide database of geothermal systems in Oregon

 Interactive Website providing free access to a selection of DOGAMI's geothermal data sets

This work is supported by the Department of Energy under Grant No. DEFG36-04R021599 and an Interagency Agreement the Oregon Department of Energy and DOGAMI, No. 107075



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Task 1: Electronically capture DOGAMI's geothermal data

- Over 50 DOGAMI research reports from the 1970s and 1980s
- 77 geothermal permit files and 96 geothermal prospect files
- 116 (3865 ft) geophysical logs/strip logs
- Selected data from other sources will be included
- Task 2: GIS functionality
 - Spatial data for GIS
 - Tabular data for a relational database
 - Metadata (FGDC and supporting info)

Task 3: Implementation of an interactive Website

MapServer (mapserver.gis.umn.edu)

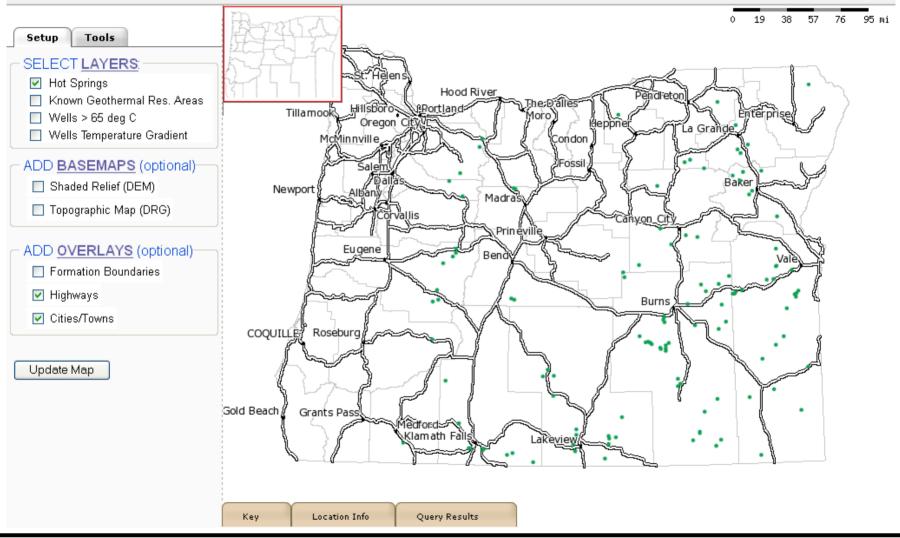




Geothermal Information Layer for Oregon

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introduction | help | background | metadata | disclaimer | resources | tell us what you think



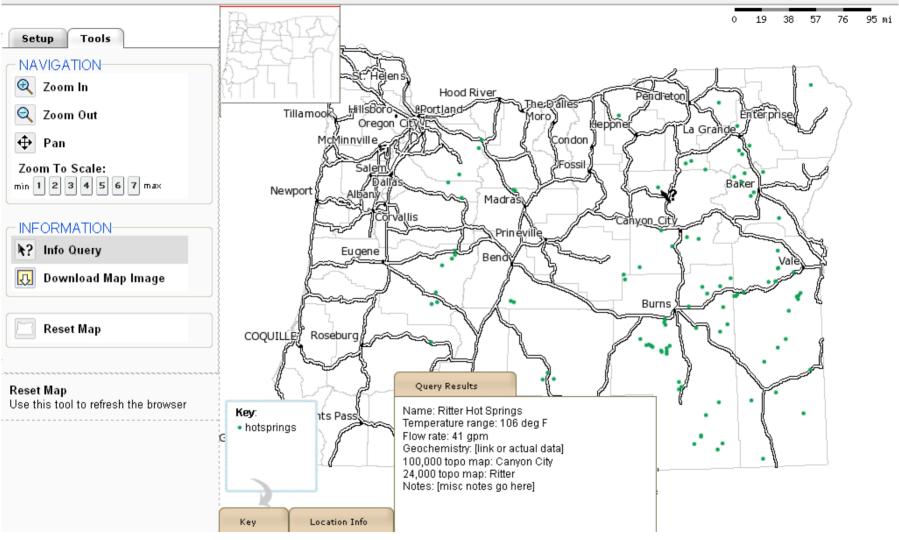


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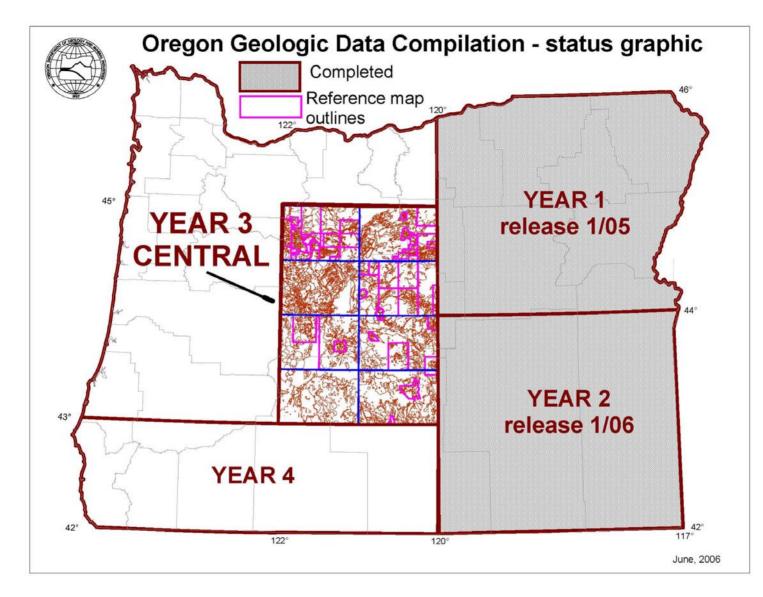
Oregon Geologic Data Compilation OGDC-v3 (NE, SE, and Central)



- CD contains the raw data:
 - Spatial data for GIS
 - Tabular data for relational database
 - Metadata (FGDC and supporting info)



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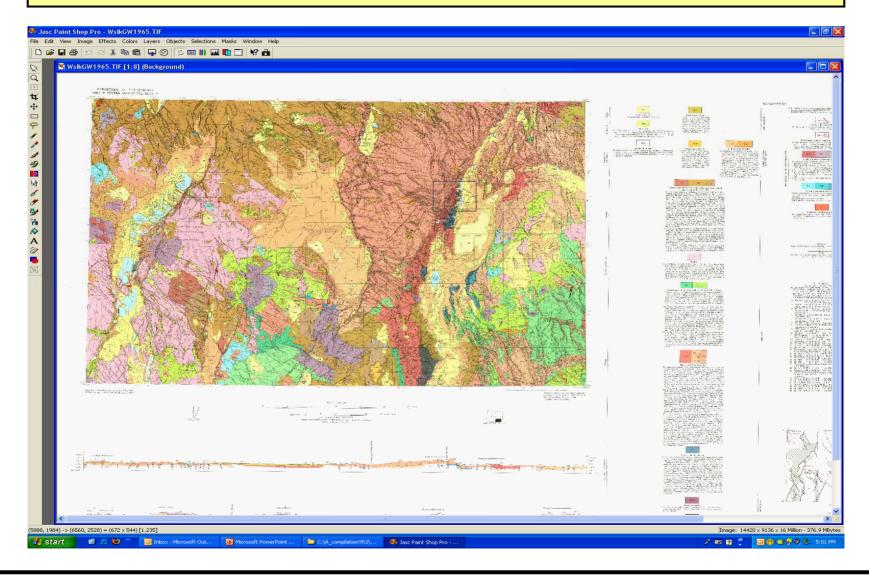


source: DOGAMI unpublished map

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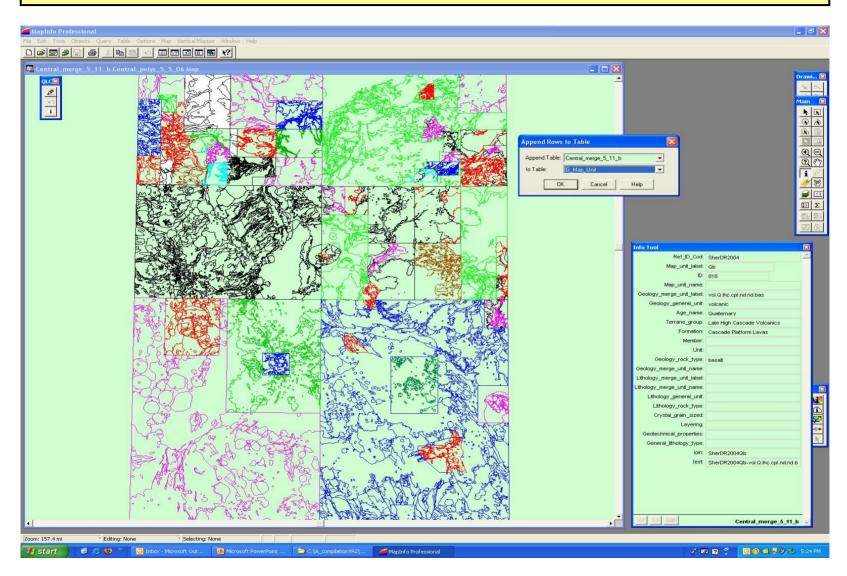
Digital conversion of 'best available' maps





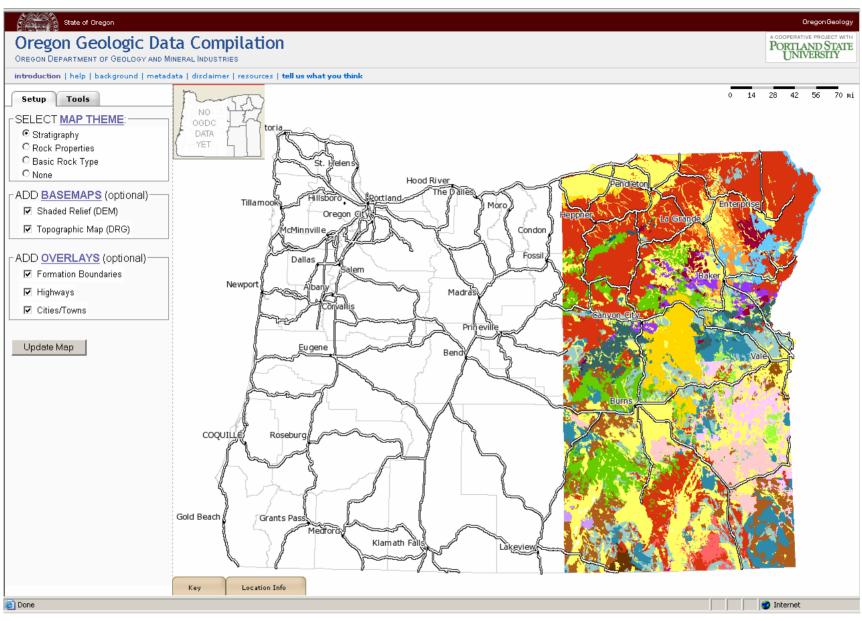
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Polygons appended





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source: www.oregongeolgoy.com

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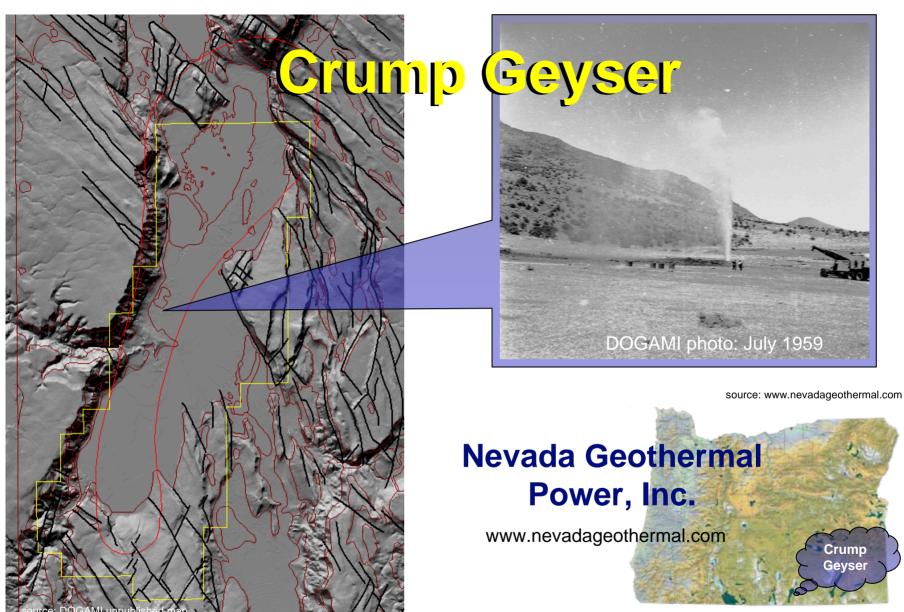
Oregon Geologic Data Compilation

1:100,000-scale GIS-based geologic mapping





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DOGAMI, unpublished map; KGRA outlines from Geothermal Resources of Oregon, 1982



Oregon Geothermal Working Group November 7, 2006

Neal Hot Springs

Neal Hot Springs

U.S. Geothermal, Inc.

Boise, Id

http://www.usgeothermal.com/

source: modified from Orr, 1999

Bully Creek Reservoir

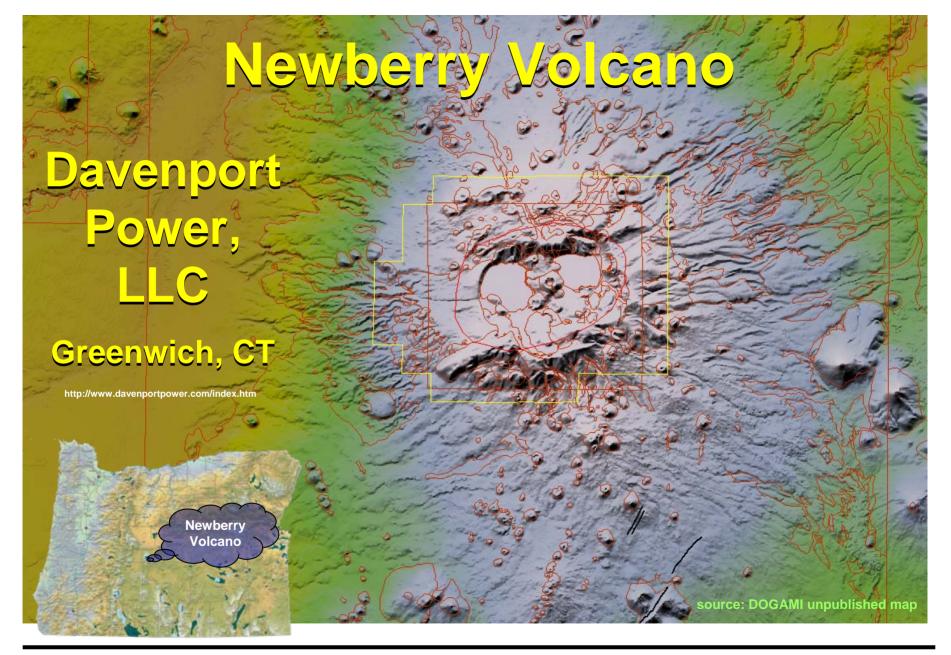
Clark Niewendorp Oregon Department of Geology and Mineral Industries

Cottonwood Mtn

Northwest Energy Association

November 10, 2006







Clark Niewendorp Oregon Department of Geology and Mineral Industries Northwest Energy Association

November 10, 2006



OREGON GEOLOGY

Oregon Department of Geology and Mineral Industries

Volume 65, Number 1, Spring 2003



Compilation of DOGAMI's Geothermal Resource Publications, by JL Clark

www.oregongeology.com



Clark Niewendorp Oregon Department of Geology and Mineral Industries

INSIDE THIS ISSUE: Geothermal Resource Publications of the Oregon Department of Geology and Mineral Industries

Oregon Geothermal Working Group



[My vision...]

Questions?

No activity, whether building, landscaping, producing art, or breathing, is without environmental consequences! Whether we like it or not, we extract (resources) to be able to live, even to be able to protest extraction – Ron Geitgey



Oregon Geothermal Working Group November 7, 2006