

OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

Vicki S. McConnell, State Geologist

NEWS RELEASE: November 20, 2008

New geologic map for 2 quadrangles in Linn County released

Portland, Oregon: The Oregon Department of Geology and Mineral Industries (DOGAMI) has released **Open File Report O-08-11, Preliminary Geologic Map of the Lebanon and Onehorse Slough 7.5' Quadrangles, Linn County, Oregon** by Mark L. Ferns and Jason D. McClaughry.

The Lebanon and Onehorse Slough 7.5' quadrangles are located in the Willamette Valley of Oregon at the western edge of the Western Cascades physiographic province. Geology depicted on the 1:24,000-scale Lebanon and Onehorse Slough 7.5' quadrangles is based partly on previous 1:62,500-scale mapping by Allison and Felts (1956) and Beaulieu and others (1974).

The area was remapped at a larger scale as part of a regional effort to construct a geologic framework for the middle and southern Willamette Valley. New mapping conducted during the 2007 field season, augmented by numerous geochemical analyses and compiled radiometric age determinations, now ties poorly exposed, discontinuous bedrock outcrops to lithologic, geochemical, and fossil data extracted from engineering bore holes and oil and gas exploration wells.

Overall, bedrock interpretations of the present map are little changed, but substantive differences are attributable to the identification of mappable, geochemically distinct lava flow packages, faults discerned from the correlation of oil and gas exploration well logs, and the addition of surficial deposits.

The map is released as an interim open-file report and was funded in part by the U.S. Geological Survey National Cooperative Geologic Mapping Program.

Open File Report O-08-11 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 Infor-

800 NE Oregon Street
Suite 965, Portland, OR 97232
www.oregongeology.org
(971) 673-1555

Media Contact: James Roddey
Earth Sciences Information Officer
james.roddey@dogami.state.or.us
(971) 673-1543 (direct line)
(503) 807-8343 (cell)

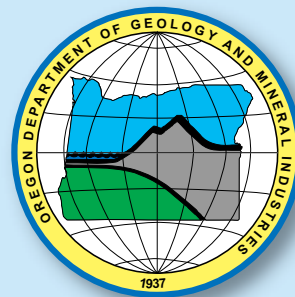
Mineral Land Regulation
and Reclamation Program
229 Broadalbin Street, SW
Albany, OR 97321
(541) 967-2039
Gary W. Lynch, Assistant Director

Baker City Field Office
1510 Campbell Street
Baker City, OR 97814
(541) 523-3133
Mark L. Ferns, Regional Geologist

Coastal Field Office
313 SW 2nd Street, Suite D
Newport, OR 97365
(541) 574-6642
Jonathan C. Allan, Coastal
Team Leader

Grants Pass Field Office
5375 Monument Drive
Grants Pass, OR 97526
(541) 476-2496
Thomas J. Wiley, Regional Geologist

The Nature of the Northwest
Information Center
800 NE Oregon Street, Suite 177
Portland, OR 97232-2162
(503) 872-2750
Donald J. Haines, Manager
Internet: <http://www.NatureNW.org>



OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

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

**800 NE Oregon Street
Suite 965, Portland, OR 97232**
www.oregongeology.org
(971) 673-1555

Media Contact: James Roddey
Earth Sciences Information Officer
james.roddey@dogami.state.or.us
(971) 673-1543 (direct line)
(503) 807-8343 (cell)

Mineral Land Regulation
and Reclamation Program
229 Broadalbin Street, SW
Albany, OR 97321
(541) 967-2039
Gary W. Lynch, Assistant Director

Baker City Field Office
1510 Campbell Street
Baker City, OR 97814
(541) 523-3133
Mark L. Ferns, Regional Geologist

Coastal Field Office
313 SW 2nd Street, Suite D
Newport, OR 97365
(541) 574-6642
Jonathan C. Allan, Coastal
Team Leader

Grants Pass Field Office
5375 Monument Drive
Grants Pass, OR 97526
(541) 476-2496
Thomas J. Wiley, Regional Geologist

The Nature of the Northwest
Information Center
800 NE Oregon Street, Suite 177
Portland, OR 97232-2162
(503) 872-2750
Donald J. Haines, Manager
Internet: <http://www.NatureNW.org>

