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8 geologic reports for Umatilla and Union Counties released

Portland, Oregon: The Oregon Department of Geology and Mineral Industries (DOGAMI) is releasing eight new geologic reports for Umatilla and Union Counties today. The reports are:

OPEN-FILE REPORT O-06-08, PRELIMINARY GEOLOGIC MAP OF THE CAYUSE 7.5' QUADRANGLE, UMATILLA COUNTY, OREGON, by Mark L. Ferns, Oregon Department of Geology and Mineral Industries.

The Cayuse 7.5' quadrangle is located along the northwest flank of the Blue Mountains Province of northeastern Oregon, just east of Pendleton, Oregon. The Umatilla River runs through the central part of the quadrangle, most of which lies within the Confederated Tribes of the Umatilla Indian Reservation.

OPEN-FILE REPORT O-06-09, PRELIMINARY GEOLOGIC MAP OF THE MISSION 7.5' QUADRANGLE, UMATILLA COUNTY, OREGON, by Mark L. Ferns, Oregon Department of Geology and Mineral Industries, and Kate Ely, Confederated Tribes of the Umatilla Indian Reservation.

The Mission 7.5' quadrangle is located along the northwest flank of the Blue Mountains Province of northeastern Oregon, just east of Pendleton, Oregon. The Umatilla River runs through the central part of the quadrangle, most of which lies within the Confederated Tribes of the Umatilla Indian Reservation.

OPEN-FILE REPORT O-06-10, PRELIMINARY GEOLOGIC MAP OF THE THORN HOLLOW 7.5' QUADRANGLE, UMATILLA COUNTY, OREGON, by Mark L. Ferns, Oregon Department of Geology and Mineral Industries.

The Thorn Hollow 7.5' quadrangle is located along the northwest flank of the Blue Mountains Province of northeastern Oregon, and is centered on the Umatilla River, some 15 miles east of Pendleton, Oregon. Most of the Thorn Hollow quadrangle lies within the Confederated Tribes of the Umatilla Indian Reservation.

OPEN-FILE REPORT O-06-14, PRELIMINARY GEOLOGIC MAP OF THE CABBAGE HILL 7.5' QUADRANGLE, UMATILLA COUNTY, OREGON, by Mark L. Ferns and Vicki S. McConnell, Oregon Department of Geology and Mineral Industries.

The Cabbage Hill 7.5' quadrangle is located along the northwest flank of the Blue Mountains Province of northeastern Oregon, and is centered on the headwaters to McKay Creek, one of the major tributaries to the Umatilla River. The western part of the quadrangle lies within the Confederated Tribes of the Umatilla Indian Reservation.

OPEN-FILE REPORT O-06-15, PRELIMINARY GEOLOGIC MAP OF THE MCKAY RESERVOIR 7.5' QUADRANGLE, UMATILLA COUNTY, OREGON,

by Mark L. Ferns and Vicki S. McConnell, Oregon Department of Geology and Mineral Industries.

The McKay Reservoir 7.5' quadrangle is located along the northwest flank of the Blue Mountains Province of northeastern Oregon, just east of Pendleton, Oregon. McKay Reservoir and the McKay Creek National Wildlife Refuge are located in the northeast quadrant of the quadrangle.

OPEN-FILE REPORT O-06-16, PRELIMINARY GEOLOGIC MAP OF THE TABLE ROCK 7.5' QUADRANGLE, UMATILLA COUNTY, OREGON, by Mark L. Ferns and Vicki S. McConnell, Oregon Department of Geology and Mineral Industries.

The Table Rock 7.5' quadrangle is located along the northwest flank of the Blue Mountains Province of northeastern Oregon, just east of Pendleton, Oregon. Much of the quadrangle lies within the tribal lands of the Confederated Tribes of the Umatilla Indian Reservation.

OPEN-FILE REPORT O-06-19, GEOLOGY OF THE UPPER GRANDE RONDE RIVER BASIN, UNION COUNTY, OREGON, by Mark L. Ferns, Vicki S. McConnell, and Ian P. Madin, Oregon Department of Geology and Mineral Industries of Geology and Mineral Industries and Jenda A. Johnson, U.S. Geological Survey (originally issued as part of Open-File Report O-03-11).

The upper Grande Ronde River basin extends over an area of more than 4,200 km² in the north central part of the Blue Mountains Province of northeastern Oregon. All of the area drained by the Grande Ronde River and its tributaries upstream from the confluence with the Wallowa River is included within the basin. Elevations range from 8679 ft (2060 m) at Granite Peak, in the Wallowa Mountains, to 2312 ft (705 m) at the confluence of the Grande Ronde and Wallowa rivers.

Open-File Report O-06-20, Preliminary Geologic Map of Service Buttes, Echo, Nolin, Barnhart, and Pendleton 7.5' Quadrangles (west to east), Umatilla County, Oregon, by Vicki S. McConnell, Oregon Department of Geology and Mineral Industries (originally issued as part of Open-File Report O-03-11).

These five 7.5' quadrangles encompass the middle reach of the Umatilla River and include the communities of Pendleton and Echo.

All Open-File Reports are available for \$10 each. The plotted posters for these reports are available for \$15. All can be purchased from the Nature of the Northwest Information Center (NNW), 800 NE Oregon Street #5, Portland, Oregon, 97232. You may also call NNW at (503) 872-2750 or order online at <http://www.naturenw.org>. There is a \$3 shipping and handling charge for all mailed items. Please allow 2 weeks for delivery.

Additionally, these items as well as all department maps 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. It has a broad responsibility for developing a geologic understanding of natural hazards. The Department then make this information available to individuals, businesses and communities to help reduce the risks from 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 are key to decision-making. The Department is also the lead State regulatory agency for mining, oil, gas and geothermal exploration, production, conservation and reclamation.

For more information, contact James Roddey at 800 NE Oregon St., Portland, OR 97232, (971) 673-1543 or on cell phone at (503) 807-8343. DOGAMI field offices can be contacted at: 1510 Campbell St., Baker City, (541) 523-3133; 5375 Monument Drive,

Grants Pass, (541) 476-2496; and the Mined Land Regulation and Reclamation Program, 229 Broadalbin St. SW, Albany, (541) 967-2039.

Learn more about Oregon's geology by going online at:

<http://www.oregongeology.com>

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