

OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

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NEWS RELEASE: December 6, 2007

Two geologic reports released

Portland, Oregon: Two reports are being released today by the Oregon Department of Geology and Mineral Industries:

1. Open-File Report O-07-03, Evaluation of Coastal Erosion Hazard Zones along Dune and Bluff-Backed Shorelines, Southern Lincoln County, Oregon: Seal Rock to Cape Perpetua by Robert C. Witter, Jonathan C. Allan, and George R. Priest, Oregon Department of Geology and Mineral Industries.

This report describes the methodology and results used to establish erosion hazard zones along the southern Lincoln County coastline from Seal Rock to Cape Perpetua. The results of this investigation build on prior coastal erosion and landslide hazards evaluations performed by the Oregon Department of Geology and Mineral Industries (DOGAMI). When combined with the erosion hazards database for the northern Lincoln County coast, the information completes a seamless digital database that depicts erosion and landslide hazards for the entire Lincoln County coastline.

The overall purpose of the project is to provide a uniform set of modern geologic hazard maps for use by county and city planners to address the objectives of goal 17 (Coastal Shorelands) and goal 18 (Beaches and Dunes) of Oregon's Statewide Planning Goals (Oregon Department of Land Conservation and Development, 1995). These goals establish guidelines for developing comprehensive land use plans for shoreland, beach, and dune environments, including areas subject to ocean flooding and geologic instabilities.

This project was funded by the Oregon Department of Land Conservation and Development (DLCD).

2. Open-File Report O-07-17, Preliminary Geologic Map of the Aspen Lake 7.5 Quadrangle, Klamath County Oregon by Stanley A. Mertzman, Stephen G. Weaver, Andrew Gavin and Karyn Powers.

Nearly one third of the Aspen Lake Quadrangle falls within the confines of the Mountain Lakes Wilderness Area. Anyone who has either read about or visited regions within the higher portions of the Cascade Mountains knows that the landscape is an interesting mix of volcanic and glacial features, often referred

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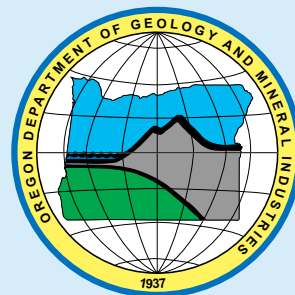
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to by the imagination-inciting phrase “fire and ice.” For example, glacial features formed through erosion like U-shaped valleys, arêtes, and cirques are easily distinguished, and glacial lakes, the largest of which is Lake Harriette, the centerpiece of the Mountain Lakes Wilderness, are numerous if one hikes the Mountain Lakes Loop Trail.

These 2 reports are available on CD-ROM for \$10 each. Printed copies of the Aspen Lake Quadrangle map are \$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 Information 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.com>

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