

# OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

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## New report looks at developing a comprehensive monitoring program for Oregon beaches

**Portland, Oregon: Open File Report O-07-01 - Assessing The Temporal and Spatial Variability of Coastal Change in The Neskowin Littoral Cell: Developing a Comprehensive Monitoring Program for Oregon Beaches** by Jonathan C. Allan and Roger Hart, Oregon Department of Geology and Mineral Industries (DOGAMI) has been released.

This report describes the procedures used to establish a comprehensive beach and shoreline observation system in the Neskowin littoral cell, located on the northern Oregon coast. The fundamental objective of such a monitoring program is to document the response of Oregon's beaches to various climatological and oceanographic processes. These processes include the effects of major storms, climate events such as El Niños, and longer-term impacts associated with climate change and sea level rise, which ultimately may affect the stability of Oregon's beaches. Understanding these responses is critical for effectively managing Oregon's valuable beach resource.

Funding for this study was provided by the Department of Land Conservation and Development (DLCD) through their Coastal Management Program. The authors would like to acknowledge the assistance of Steve Williams (DLCD), Paul Komar (Oregon State University) and Ian Madin (DOGAMI) in preparing this study.

**O-07-01 - Assessing The Temporal and Spatial Variability of Coastal Change in The Neskowin Littoral Cell** is available on CD-ROM for \$10. It 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, this item as well as all department maps can be purchased at DOGAMI Field Offices including 5375 Monument Drive, Grants Pass, (541) 476-2496 and

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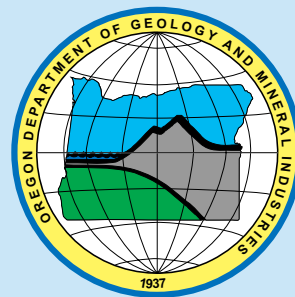
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The Oregon Department of Geology and Mineral Industries is an independent agency of the State, and has a broad responsibility in developing a geologic understanding of natural hazards. We then make this information available to communities and individuals 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.

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