

OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

Vicki S. McConnell, State Geologist



NEWS RELEASE: December 31, 2012

Study redefines flood zones along Coos County coast

Portland, Oregon: The Oregon Department of Geology and Mineral Industries (DOGAMI) has released a study conducted for the Federal Emergency Management Agency Flood Map Modernization program to develop a digital flood insurance rate map (DFIRM) and flood insurance study (FIS) report for Coos County, Oregon.

Special Paper 44, Coastal Flood Insurance Study, Coos County, Oregon, describes the approach used to define new FEMA 100-year coastal flood hazard zones along the Coos County coast in order to provide updated Digital Flood Insurance Rate Maps (DFIRM), which are used for mitigation planning, risk analysis, and disaster response at local, state, and federal levels.

The report fully describes the overall methodology, the input hydraulic conditions, and topographic information acquired and developed by DOGAMI to define and map detailed coastal flood hazard studies for the Bandon shoreline, Bastendorff Beach, and Lighthouse Beach, located on the Coos County coast. These analyses included assessments of the 1% annual probability, or 100-year, wave runup and still water levels (combined, they reflect the 1% total water level) associated with an extreme storm wave event to help determine the degree of coastal flood risk along those shores. Aside from those two areas, DOGAMI developed revised velocity ("V") zones for the remainder of the county shoreline.

DOGAMI Special Paper 44 can be purchased on CD-ROM for \$15 each from the Nature of the Northwest Information Center (NNW), 800 NE Oregon Street, Suite 965, Portland, Oregon, 97232. You may also call NNW at (971) 673-2331 or order online at <http://www.NatureNW.org>. There is a \$4.95 shipping and handling charge for all mailed items.

Contact Information:

Oregon Department of Geology
Ian Madin, Chief Scientist
(971) 673-1542; ian.madin@state.or.us

The Oregon Department of Geology and Mineral Industries is an independent agency of the State and has a broad responsibility in developing an understanding of the state's geologic resources and natural hazards. The Department then makes this information available to communities and individuals to help inform and reduce the risks from natural hazards, such as 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 is 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 online: <http://www.OregonGeology.org>

DOGAMI's mission is to provide earth science information and regulation to make Oregon safe and prosperous.

Media contact: Carol DuVernois

carol.duvernois@state.or.us
800 NE Oregon St., #28,
Ste. 965
Portland, OR 97232
Phone: (971) 673-1555
Fax: (971) 673-1562
www.OregonGeology.org

Mineral Land Regulation and Reclamation Program

229 Broadalbin St. SW
Albany, OR 97321
Phone: (541) 967-2039
Fax: (541) 967-2075
info@mlrr.oregongeology.com
Gary W. Lynch,
Assistant Director

Coastal Field Office

313 SW 2nd, Ste. D
Newport, OR 97365
Phone: (541) 574-6642
Fax: (541) 265-5241
Jonathan C. Allan,
Coastal Team Leader

Eastern Oregon Field Office

Baker County Courthouse
1995 3rd St., Ste. 130
Baker City, OR 978149
Phone: (541) 523-3133
Fax: (541) 523-5992
Jason D. McClaughry,
Regional Geologist

Nature of the Northwest Information Center

800 NE Oregon St., Ste. 965
Portland, Oregon 97232
(971) 673-2331
Email: info@naturenw.org
Web: www.NatureNW.org
Donald J. Haines, Manager

page 1 of 1