

OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

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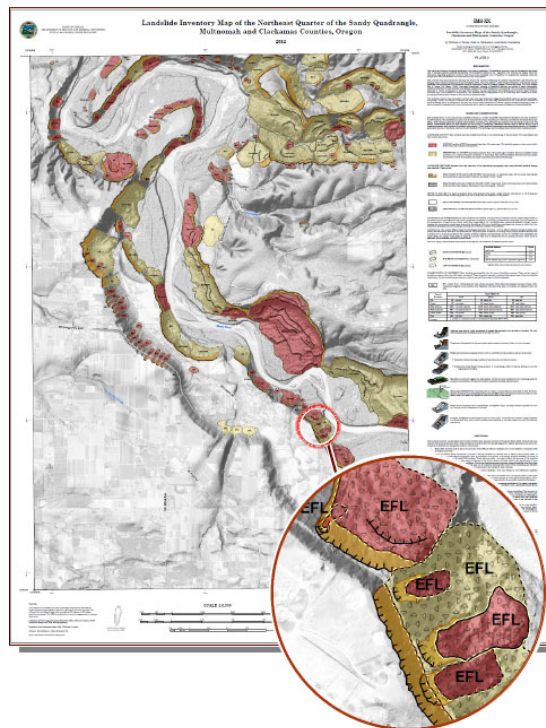
NEWS RELEASE: September 11, 2012

New landslide maps for Portland metro region reveal thousands of slides

Portland, Oregon: The Oregon Department of Geology and Mineral Industries (DOGAMI) has released 17 new landslide inventory maps that show over 8,000 landslides in the Portland area from east of Troutdale to Cornelius and from Sauvie Island to Wilsonville.

Using a laser-based mapping technique called lidar, DOGAMI was able to quickly and accurately map landslide extents and characteristics over 83 square miles of terrain in just 7 years—a magnitude faster than could be done using older mapping techniques. These maps are among the results of a collaborative partnership with city and county departments, State agencies, and the U.S. Geological Survey to reduce landslide risk.

- IMS-37, Scholls quadrangle
- IMS-38, Sandy quadrangle
- IMS-39, Forest Grove quadrangle
- IMS-40, Sauvie Island quadrangle
- IMS-41, Mount Tabor quadrangle
- IMS-42, Washougal quadrangle
- IMS-43, Camas quadrangle
- IMS-44, Dixie Mountain quadrangle
- IMS-45, Vancouver quadrangle
- IMS-46, Gales Creek quadrangle
- IMS-47, Hillsboro quadrangle
- IMS-48, Gladstone quadrangle
- IMS-49, Damascus quadrangle
- IMS-50, Sherwood quadrangle
- IMS-51, Redland quadrangle
- IMS-52, Estacada quadrangle



Example of detailed landslide mapping on IMS-38, NE quarter of the Sandy quadrangle. EFL is earth flow.

Publications IMS-37 through IMS-52 each consist of four 1:8,000-scale quarter-quadrangle plates in PDF format, GIS landslide data in an Esri-format geodatabase, DOGAMI Special Paper 42, Protocol for Inventory Mapping of Landslide Deposits from Light Detection and Ranging (Lidar) Imagery, and two DOGAMI landslide factsheets.

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

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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 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>

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