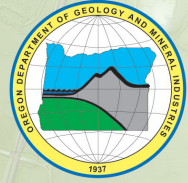


# OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

VICKI S. MCCONNELL, STATE GEOLOGIST



NEWS RELEASE: September 30, 2013

## 2014 calendar reveals stunning Oregon landscapes

*Images made using lidar technology show how geology influences the land under our feet*

Portland, Oregon: The Oregon Department of Geology and Mineral Industries (DOGAMI) has released its fourth and highly anticipated lidar landscapes calendar. The images for the 2014 calendar focus on geological processes and features across the state.

Lidar (light detection and ranging) is a remote sensing technique similar to radar that uses light pulses instead of radio waves. Lidar is typically “flown” or collected from planes and rapidly produces a large collection of very dense and accurate elevation points (up to 500,000 per second) over a large area. The product can be used to generate three-dimensional representations of the Earth’s surface and its features.

The Oregon Department of Geology and Mineral Industries (DOGAMI) uses lidar to create new-generation maps that are more accurate and comprehensive than any in the past. DOGAMI, via the Oregon Lidar Consortium, is continually acquiring [new lidar data throughout Oregon](#). This calendar provides a sampling of the kinds of information that can be obtained with lidar.



*The cover of the 2014 calendar shows lidar derived imagery of Mount Hood. The 11 x 8.5 inch calendar is 28 pages.*

2014 calendar images are:

- January - Evolving River Channels, Willamette River and Tributaries, Central Willamette Valley, Oregon
- February - Lava Flow and Glacial Features, Jefferson County, Oregon
- March - Municipal Watershed, Bull Run Dam One and Reservoir One, Multnomah County, Oregon

*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](http://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](mailto: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,

Field Geologist

Nature of the Northwest

Information Center

800 NE Oregon St., Ste. 965

Portland, Oregon 97232

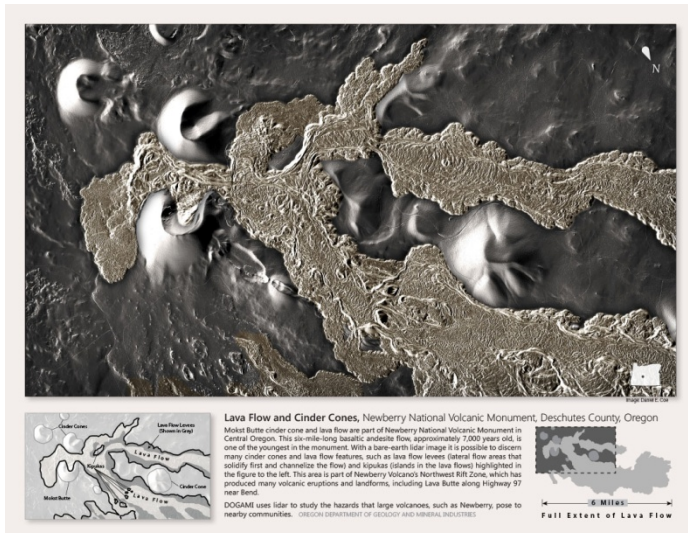
(971) 673-2331

Email: [info@naturenw.org](mailto:info@naturenw.org)

Web: [www.NatureNW.org](http://www.NatureNW.org)

Donald J. Haines, Manager

- April - Eolian and Fluvial Features, Grande Ronde Valley, Union County, Oregon
- May - Maars, North and South Twin Lakes, Deschutes County, Oregon (see image below)
- June - Composite Volcano, Mount Hood, Clackamas and Hood River Counties, Oregon
- July - Lava Flow and Cinder Cones, Newberry National Volcanic Monument, Deschutes County, Oregon



*Lidar derived imagery shows the lava flows and cinder cones in the Newberry National Volcanic Monument in astounding detail.*

*The image description explains the geological processes that created the landforms.*

- August - Faults, Klamath County, Oregon
- September - Coastal Cliffs, Near Blacklock Point, Curry County, Oregon
- October - Mountain Uplift, Blue Mountains, Umatilla County, Oregon
- November - Landslides and Debris Flows, Nehalem River Watershed, Columbia County, Oregon
- December - Alluvial Fan and Floodplain, Rough and Ready Creek, Josephine County, Oregon

To see a preview of all the images in the calendar, visit:  
<http://www.oregongeology.org/pubs/ll/p-calendar2014.htm>

The “Lidar Intensified” 2014 paper calendar can be purchased for \$12 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:**

Ian Madin, Chief Scientist  
Oregon Department of Geology and Mineral Industries  
telephone (971) 673-1542  
email [ian.madin@state.or.us](mailto: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 at [www.OregonGeology.org](http://www.OregonGeology.org).