The lidar imagery is a collection of three-dimensional point data that are systematically collected from the air. These data, known as lidar returns, are collected using lasers that are reflected off the ground surface to create a detailed model of the landscape. This imagery includes information on the topography, vegetation, buildings, and other structures. The lidar all-returns point cloud data that are the original basis for these images were collected by Watershed Sciences Inc., TerraPoint, LLC, and Merrick and Company. The point cloud is a remotely sensed supervision of a State of Oregon registered and certified Registered surface models (DEM) produced by the three companies.

The lidar imagery was acquired in 2007 and is part of the Oregon Department of Geology and Mineral Industries (DOGAMI) Lidar Data Quadrangle (LDQ) series. The data are available for individual use and aggregate use with other data. The lidar imagery is intended for general information purposes and is not intended to be used for legal or engineering purposes.

The bare earth image is a representation of the earth's surface without the addition of any vegetation or other features. The highest hit image is a representation of the highest point on the surface, which can be useful for identifying features such as mountain peaks or cliffs.

Cartography and data processing were performed by John English, Kaleena Hughes, Mathew Tilman, and Rudie Wilson. Additional cartography and data processing were provided by Jed Roberts and Sarah Robinson at the Oregon Department of Geology and Mineral Industries.


Contours derived from bare earth elevation model smoothed by 60' x 60' averaging kernel.

Data Source: Lidar data from DOGAMI.

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