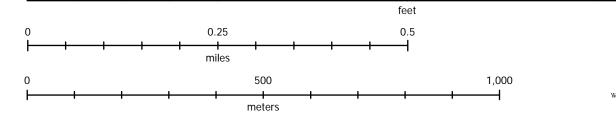


STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
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Lidar Imagery Series

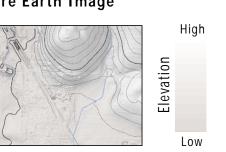
LIS-2010-45122E6-Portland Lidar Imagery of the Portland 7.5' Quadrangle, Multnomah and Washington Counties, Oregon



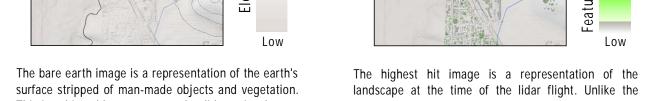
Cartography by Jed Roberts and Sarah Robinson, Oregon Department of Geology and Mineral Industries. Additional cartography and data processing by John English, Kaleena Hughes, Mathew Tilman, and Rudie Watzig, Oregon Department of Geology and Mineral Industries.

Data Source: Lidar data from DOGAMI and Puget Sound Lidar Consortium. Lidar flown 2005 and 2007. Hydrology features digitized from lidar data by DOGAMI. Feature names from Google Maps, U.S. Bureau of Land Management, U.S. Geological Survey, and ESRI. Contours derived from bare earth elevation model smoothed by 60' x 60' averaging kernel. Map projection: Universal Transverse Mercator Zone 10 North, North American Datum 1983. 1 inch = 667 feet Contour interval: 20 feet





surface stripped of man-made objects and vegetation.



This is achieved by post-processing lidar point data. bare earth image, this image shows features such as trees, buildings, and even cars.

Lidar Data Origins and Map Image Limitations

These maps were created using data derived from lidar (light available by DOGAMI as the Lidar Data Quadrangle (LDQ) series, are detection and ranging) technology. A lidar measurement system georeferenced raster grids (ESRI format) interpolated from the point collects huge quantities of three-dimensional point data where laser cloud data. pulses have been reflected off opaque objects such as buildings, trees, bushes, and the ground surface. The map images depicted here are examples by DOGAMI using GIS techniques to extract and emphasize selected features. These map

calibrated relative to GPS ground control points.

The lidar all-returns point cloud data that are the original basis for images, the interpretative content displayed, and this lidar image these images were collected by Watershed Sciences Inc., TerraPoint, series are for general information purposes and are not intended to LLC, and Merrick and Company. The point cloud is a remotely sensed indicate the authoritative location or definition of real property collection of three-dimensional point data that are systematically boundaries, the precise shape or contour of the earth, or the precise location of fixed works of humans. No warranty, expressed or implied, is made regarding the accuracy or utility of the information

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Quadrangle Location Map guadrangle name