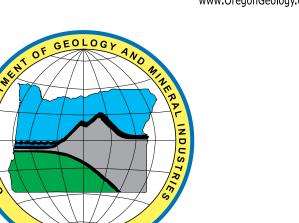


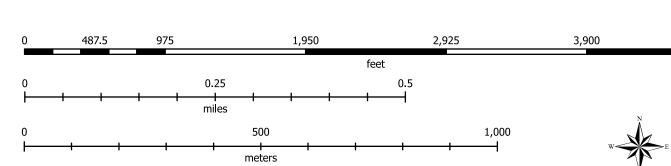
STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
VICKI S. McCONNELL, STATE GEOLOGIST





Lidar Imagery Series

Lidar Imagery of the Forest Grove 7.5' Quadrangle,

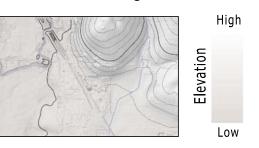


Cartography by Jed Roberts and Rudie Watzig, Oregon Department of Geology and Mineral Industries. Additional cartography and data processing by John English, Sarah Robinson, Mathew Tilman, and Kaleena Hughes, Oregon Department of Geology and Mineral Industries.

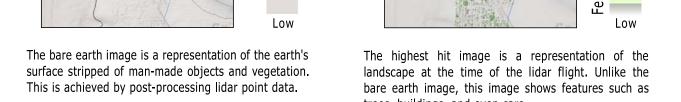
Data Source: Lidar data from DOGAMI. Lidar flown 2007.

1 inch = 667 feet Contour interval: 20 feet 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 $60' \times 60'$ averaging kernel. UTM grid: 1 kilometer Map projection: Universal Transverse Mercator Zone 10 North, North American Datum 1983.









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 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

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