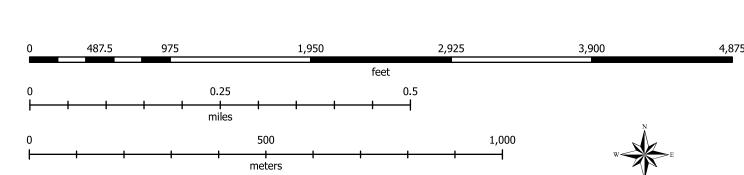




Lidar Imagery Series

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.

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' x 60' averaging kernel. Map projection: Universal Transverse Mercator Zone 10 North, North American Datum 1983. UTM grid: 1 kilometer





The bare earth image is a representation of the earth's surface stripped of man-made objects and vegetation.

This is achieved by post-processing lidar point data.

The highest hit image is a representation of the landscape at the time of the lidar flight. Unlike the bare earth image, this image shows features such as trees, buildings, and even cars.

Lidar Data Origins and Map Image Limitations

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

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