The Emerging LiDAR Landscape

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Comparison of terrain models for Fresh Creek, Strafford County, NH: NED 30-meter and 10-meter DEMs versus 1-meter LiDAR
Data acquisition by airborne Light Detection and Ranging System (LiDAR)
LiDAR “Point Cloud”
Laser returns classified by spatial structure (+/- intensity)

Green = vegetation return

Orange = ground return

Image courtesy of the National Aeronautics and Space Administration
Bare earth and first return (forest canopy top) LiDAR surfaces

Figure from Maune, et al, 2001, Digital Elevation Model Technologies and Applications: The DEM Users Manual
Near Breezy Point Warren
Application: Hazard Mapping
Application: Floodplain Mapping
Improved Mapping with LiDAR-derived Topography
Application: Coastal Change
Predicted Inundation Area - 2100 Sea Level Rise Estimate of 6.3’
Application: Mapping of Headwater Streams
Application: Forest Management

Source: Tom Spies and Keith Elsen, Oregon State University School of Forestry
Application: Broadband Planning

Source: NH Broadband Mapping & Planning Program, University of New Hampshire
Figure 1: Airborne LiDAR Data in New Hampshire

Legend
Currently Available
- Merrimack
- Nashua
- Seacoast
- Swift River WMNF
- New WMNF
- WMNF-1
- WMNF-2
Welcome to the GRANIT LIDAR Distribution Page

This page provides access to LIDAR datasets and derived products archived within the GRANIT database. It is intended to serve the needs of users requiring access to relatively small data sets, e.g., data for a town or watershed. For users interested in accessing entire collections of LIDAR, we recommend that you contact GRANIT directly and arrange for data transfer via external drive.

Please direct comments and questions to granit@unh.edu

Filter By County  Filter By Town  Filter By HUC  Clear  Zoom All

Data Layers
- Coastal New Hampshire
- Concord Municipal
- Merrimack River
- Nashua River
- White Mountain National Forest
- Reference Layers

Filenames
(hover over data layer to see filenames)

To Get Started
1. Select data layers of interest on the right.
2. Choose the area of interest by using our filter or the draw tool on the map.
3. Click on the green results button to the right.

For more help
Questions ?