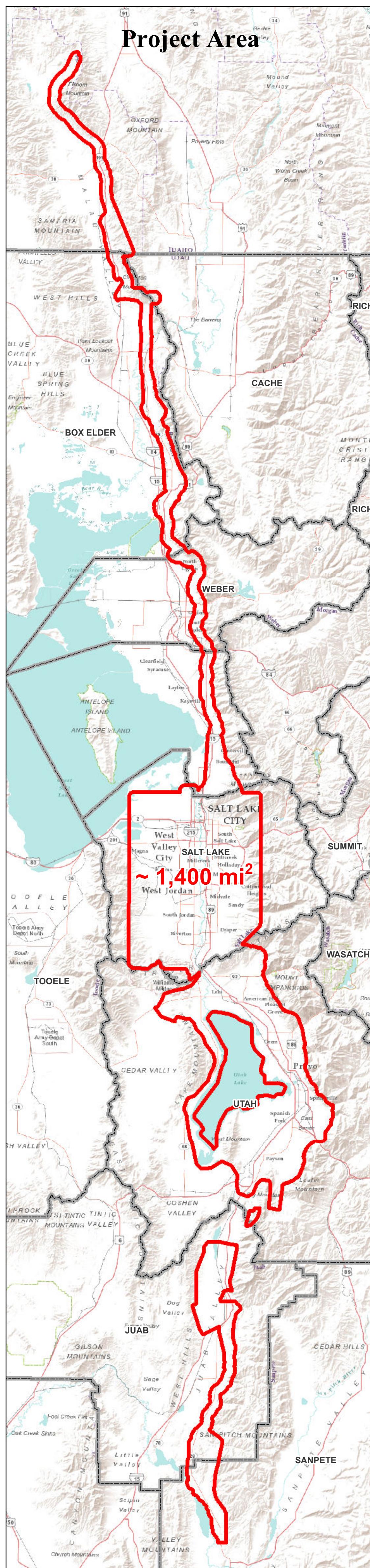
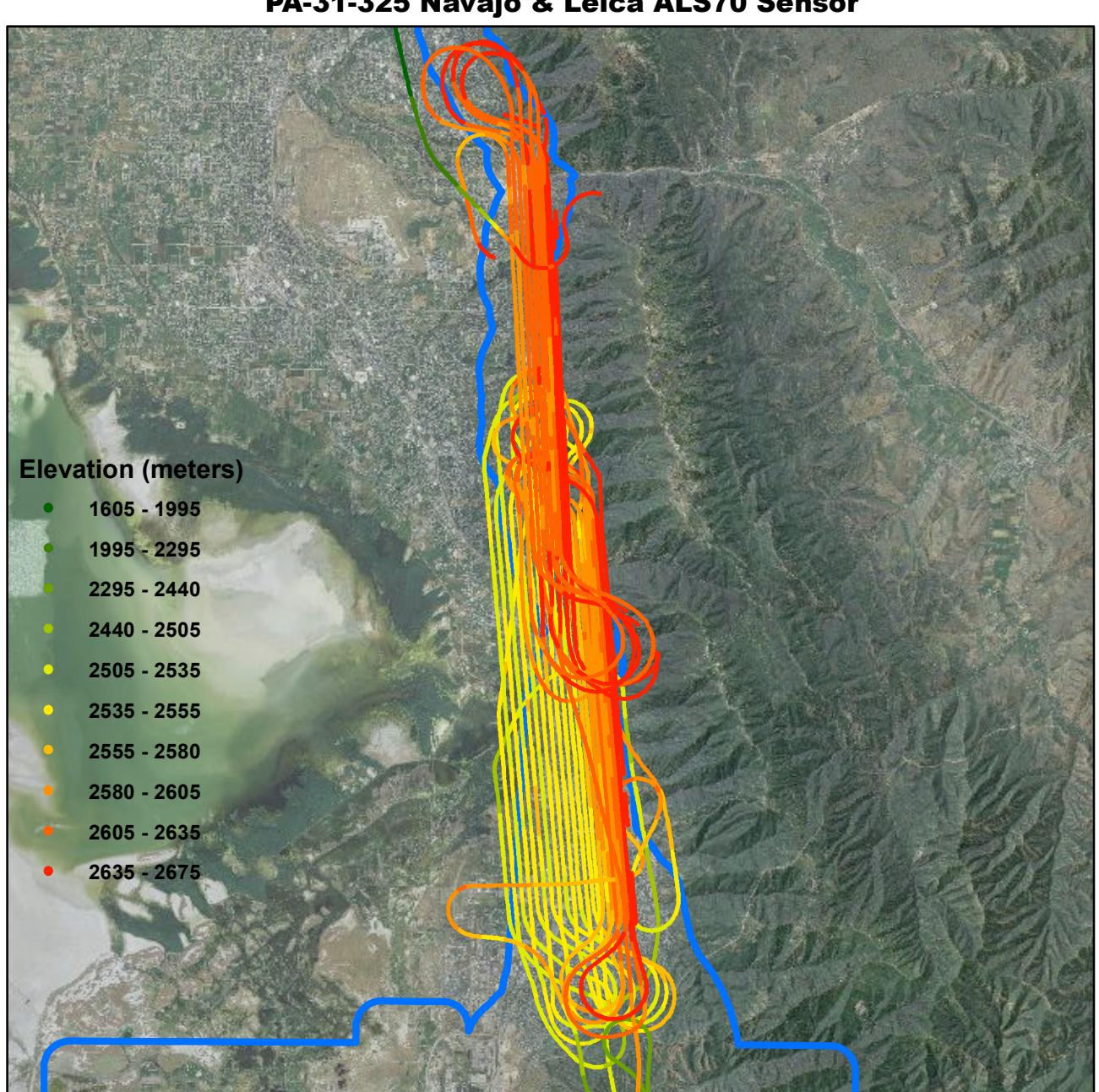


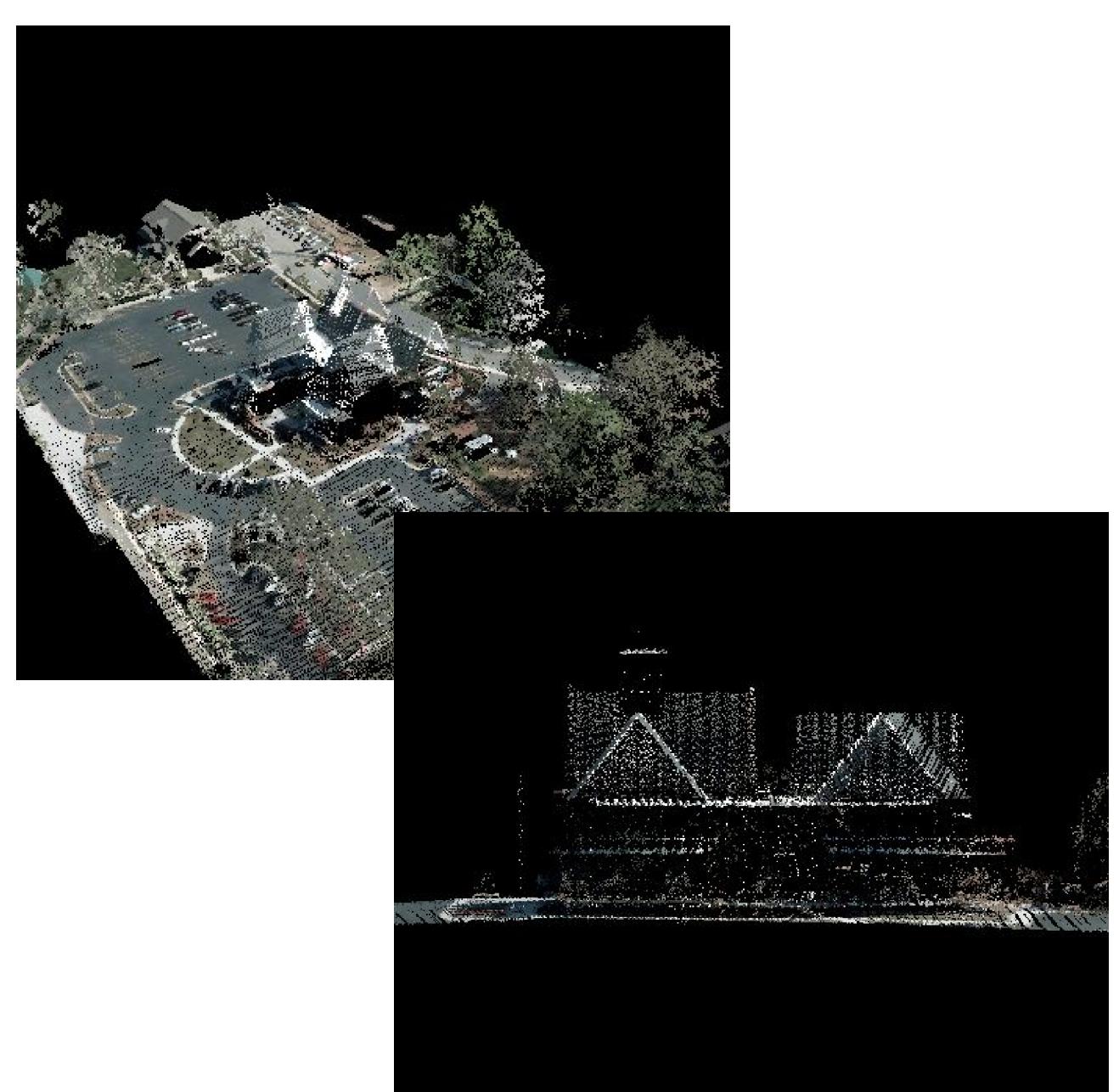
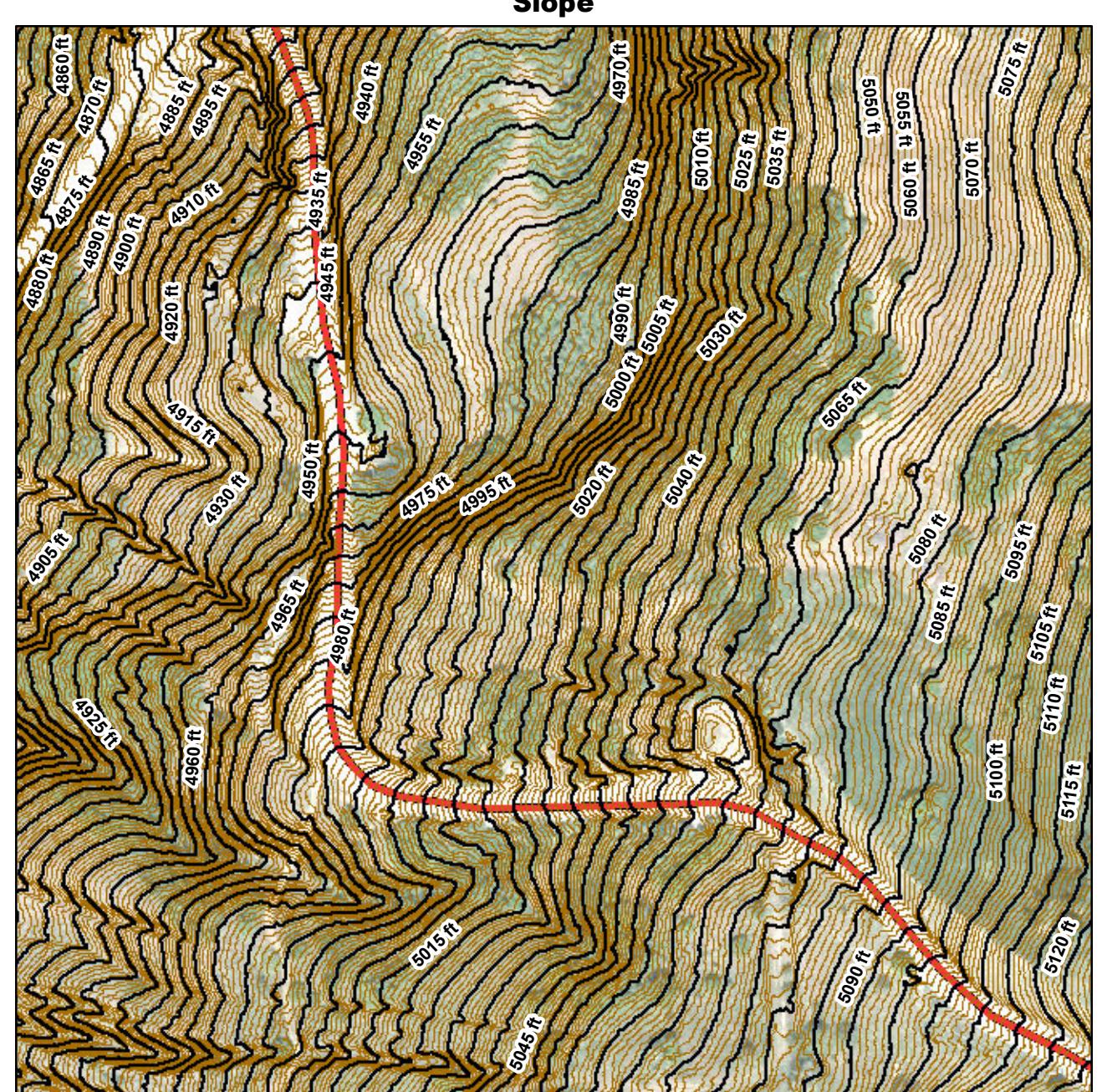
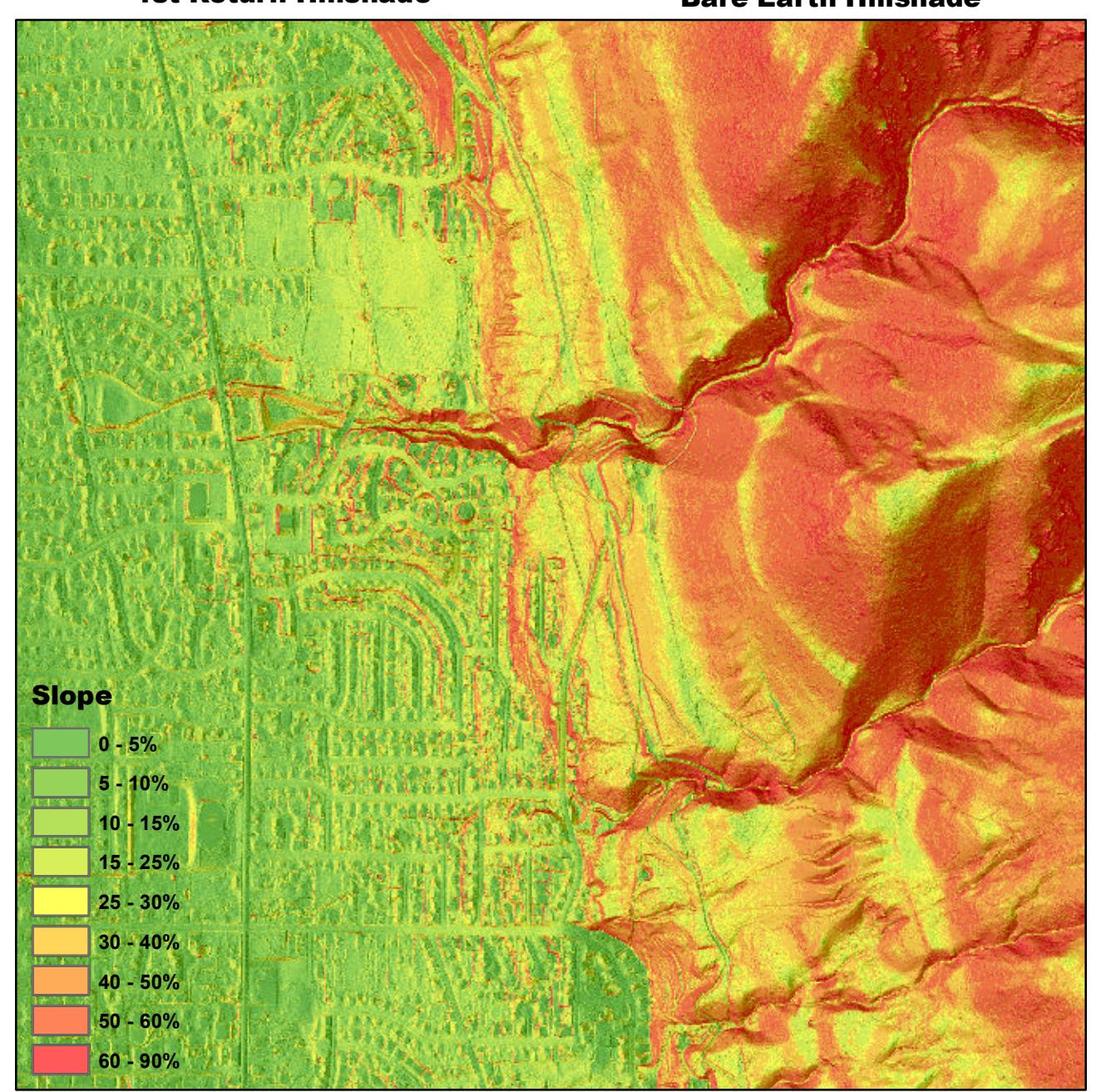
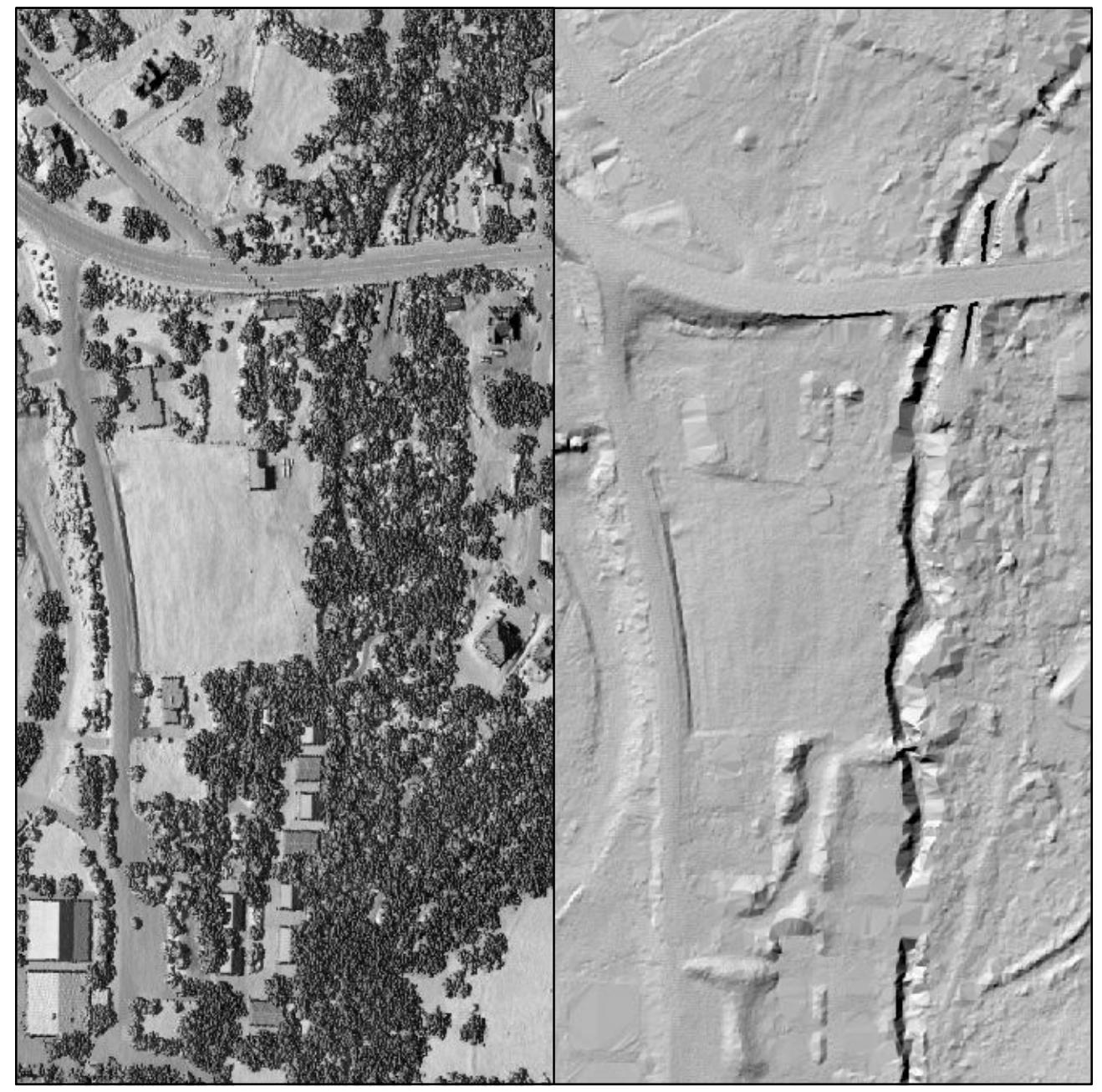
2013-2014 Wasatch Front LiDAR



LiDAR stands for Light Detecting and Ranging. LiDAR data is collected using an airplane-mounted laser and a sensor that records the laser pulse reflections from surfaces on/near the ground. The timing of the pulse returns provide a surrogate for measuring distance. When the distance measurements are combined with the precise instantaneous position of the aircraft from its onboard GPS, the elevation and position of the surface of the earth, structures, and vegetation can be measured with high precision.

USGS Quality Level 1 Project Deliverables Include:

- * Raw Point Cloud
- * Classified Point Cloud
(8 points per square meter with 9.25cm vertical RMSE)
- * Bare-Earth Digital Elevation Model (DEM)
(0.5 meter cell size with 9.25cm vertical RMSE and Hydro-Flattening)
- * First Return Surface Model (0.5 meter cell size)
- * Intensity Images (0.5 meter resolution GeoTIFFs)
- * FGDC Metadata



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