



Project Summary

Project Name: LiDAR Data Processing

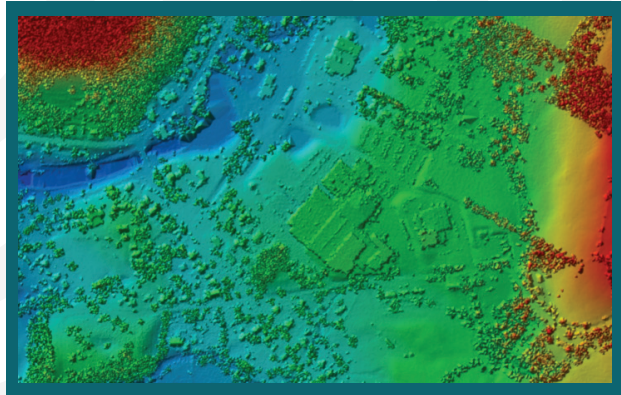
Period of Performance: 2009-2014

Budget: ~\$5-\$50K

Customer: Various

GroundPoint's staff has been processing LiDAR data into derived products for over 10 years. Typical derived products include:

- Reclassified Point Clouds (Ground, Water, Trees)
- 3-D Breaklines for Terrain Mapping
- Bare earth digital elevation models (DEM)
- First Return Digital Surface Models (DSM)
- Contours (2ft, 1ft),
- Analysis of Void Areas
- Gridded Slope
- Intensity Data



In the past three years GroundPoint Technologies has performed over 75 data processing projects across the continental United States. In addition, GroundPoint Technologies has performed more than a dozen formal Quality Control and Accuracy Assessments based on current ASPRS, FEMA and USGS standards.

GroundPoint staff have also coordinated and contracted for the acquisition of airborne LiDAR data on behalf clients. Example Projects include:

NY Capital District — Brokered a ~\$400K LiDAR collection covering almost 800 square miles for the counties of Schenectady and Albany.

NYS Combined Collection — Brokered a ~\$1.2M LiDAR collection covering over 2000 square miles, supported by three separate funding agencies. The collection effort included subcontracts with two different collection vendors, two survey subcontracts, and a contract for Quality Control and Accuracy Assessment. The collection covered five locations around NYS including all of Chemung and Cortland Counties, and portions of Onondaga, Ulster, and Herkimer Counties. The ability to broker the collection resulted in a coordinated effort that reduced the overall cost per square mile for each of the funding participants.