Your trusted 3DEP partner

3DEP

Provides high-quality topographic data and a wide range of other three dimensional representations of the nation's natural and constructed features.

BAA Grant Program

A key to the success of the 3DEP program; details how to partner with the USGS and other Federal agencies to acquire high-quality 3D elevation data.

$$$

Contribution funds to a USGS managed project OR receive funds to manage your own project.

Why Merrick-Surdex JV?

1 of 10

approved firms in the country under contract with USGS

155,000

sq. mi. since March 2016

Respected leaders in Airborne Remote Sensing

Proven success in procuring outside funding partners for projects and programs

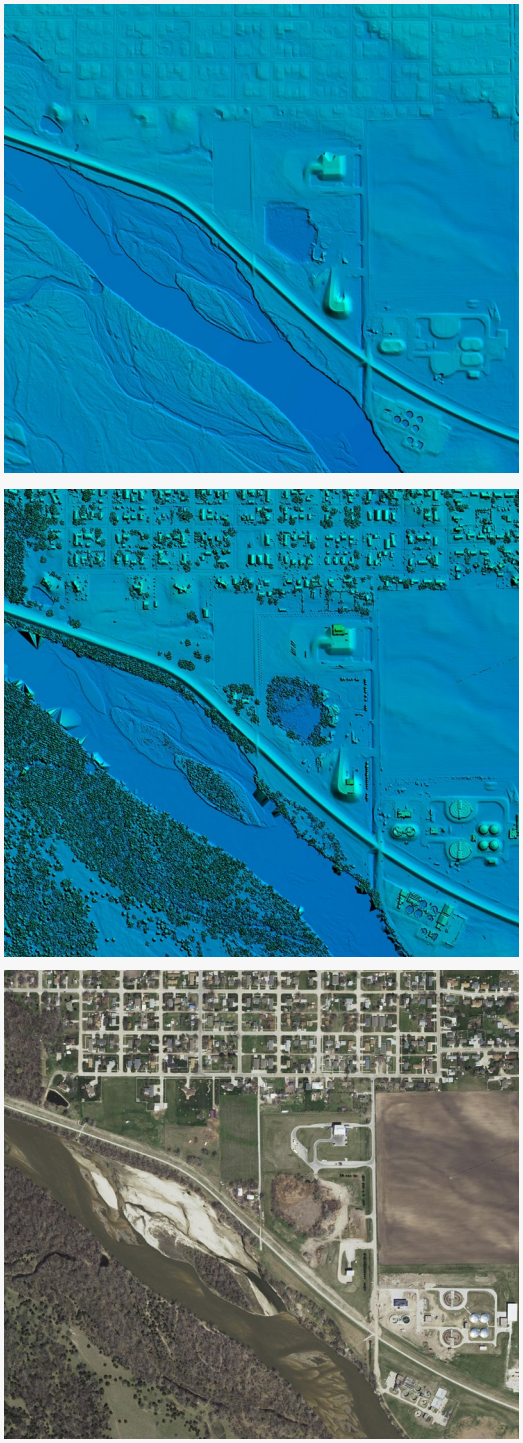
Commitment to technology, sensors and software development

Extensive Federal, State and Local experience

Client-focused philosophy

MERRICK SURDEX

JOINT VENTURE



Digital Elevation Model (top), Digital Surface Model (middle) and Orthoimagery (bottom) over the Platte River in Nebraska

Merrick-Surdex JV Provides GPSC3 Data in Eastern Nebraska

The Merrick-Surdex Joint Venture established a Geospatial Product and Service Contracts (GPSC3) agreement with the U.S. Geological Survey (USGS) in 2016. Through the GPSC3 program, the JV has completed projects in Texas, Missouri, Nebraska and New Mexico totaling nearly 155,000 square miles, all including QL1 and QL2 lidar data acquisition and processing.

In 2017, The Merrick-Surdex JV received a GPSC3 task order that differed from prior such task orders in that the scope included leaf-off orthoimagery in addition to lidar data. The project area consisted of four delivery blocks in eastern Nebraska totaling approximately 11,000 square miles; QL2 lidar data was required for all four blocks, and 60 cm ground sample distance (GSD) orthoimagery was required for the three eastern blocks.

Surdex was responsible for all orthoimagery and lidar data acquisition and processing for the three eastern blocks—approximately 7,700 square miles of lidar data and 8,900 square miles of imagery. In the spring of 2018, Surdex acquired the data in our assigned delivery blocks. Survey tasks were completed by Merrick and their subcontractor, CompassData, Inc. Surdex processed the data and prepared the final deliverables by the end of the year, including the following:

- Raw lidar point cloud
- Classified lidar point cloud
- Hydro-flattening breaklines
- Digital Elevation Models
- Intensity images
- 2’ contours
- Hillshades
- 4-band uncompressed GeoTIFF imagery tiles
- MrSID Compressed County Mosaics (imagery)
- Metadata

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