

LIDAR Quality Report

from the National Geospatial Technical Operations Center
in Support of the 3D Elevation Program

LA_CPRA_2019_C20

2020-07-27



The USGS - National Geospatial Technical Operations Center (NGTOC), Data Operations Branch is responsible for conducting reviews of all enhanced, high-quality resolution elevation data and derived products delivered by a data supplier before it is approved for inclusion in the 3D Elevation Program (3DEP) data holdings. The USGS - NGTOC recognizes the complexity of high quality resolution elevation data collection and processing performed by the data suppliers and has developed this Quality Control (QC) procedure. The goal of this process is to assure elevation data are of sufficient quality for database population and scientific analysis. Concerns regarding the assessment of these data should be directed to the Chief of Data Operations Branch, 1400 Independence Road, Rolla, Missouri 65401.

Based on this review, the delivered data is **EXPECTED TO MEET** 3D Elevation Program requirements.

Project Information

| | |
|---|------------------------------------|
| WP Name: LA_CPRA_2019_C20 | Work Package ID: 185176 |
| WU Name: LA_CPRA_B4_2019 | Work Unit ID: 193855 |
| Horizontal SRS: NAD83(2011) / UTM zone 15N | Vertical SRS: NAVD88 height |
| Mechanism: Contributed | Lidar Base Spec: 1.3 |
| USGS Project POC: Diana Thunen | POC Email: dthunen@usgs.gov |
| Vertical Accuracy: Review is expected to meet but awaiting final vertical accuracy assessment. | |

| Product | Accepted | Delivered | Summary of Errors |
|-----------------------------------|----------|-----------|-------------------|
| Classified Pointcloud | Yes | Yes | None |
| DEM | Yes | Yes | None |
| Hydroflattened Polygon Breaklines | Yes | Yes | None |
| Bridge Polygon Breaklines | Yes | Yes | None |
| Classified LPC XML | Yes | Yes | None |
| Breakline/Hydro XML | Yes | Yes | None |
| Intensity Imagery XML | Yes | Yes | None |
| DEM XML | Yes | Yes | None |
| Contractor Accuracy Report | Yes | Yes | None |
| Tile Index | Yes | Yes | None |
| Defined Project Area | Yes | Yes | None |
| Flightline Index | Yes | Yes | None |
| Temporal Exclusion | Yes | Yes | None |
| Interswath shapefile | Yes | Yes | None |
| Intensity Imagery | Yes | Yes | None |
| Other | Yes | Yes | None |

Classified Lidar Point Cloud

Based on this review, the USGS-NGTOC **ACCEPTS** the Classified Lidar Point Cloud.

Digital Elevation Model (DEM)

Based on this review, the USGS-NGTOC **ACCEPTS** the Digital Elevation Model (DEM).

Breaklines

Based on this review, the USGS-NGTOC **ACCEPTS** the Breaklines.

Metadata

Based on this review, the USGS-NGTOC **ACCEPTS** the Metadata.

Shapefiles and/or Reports

Based on this review, the USGS-NGTOC **ACCEPTS** the Shapefiles and/or Reports.

Other Deliverables

Based on this review, the USGS-NGTOC **ACCEPTS** the Other Deliverables.