

**Project Definition:** The entire collection for a contracted area.

**Work Unit Definition:** A production block of data defined by the National Geospatial Technical Operations Center due to expediency, priority or resource allocation. There can be one or many work units per project.

## Project Information

|  |  |
|--|--|
| <b>Lidar Base Specification:</b> 2.1             | <b>Primary Contractor:</b> Fugro Geospatial, Inc |
| <b>Las Version:</b> 1.4                          | <b>Contract Mechanism:</b> GPSC                  |
| <b>P Method:</b> 7 - Linear-Mode Lidar           | <b>Hydro Treatment:</b> hydro-flattened          |
| <b>Collection Start Date:</b> 04-10-2020         | <b>Collection End Date:</b> 12-22-2020           |
| <b>The National Map Email:</b> tnm_help@usgs.gov |  |

## Vertical Accuracy Results

| The U.S. Geological Survey evaluates absolute vertical accuracy of the lidar and lidar-derived bare earth DEM data at the project level | Lidar Point Cloud  |                   | Digital Elevation Model |                   |
|---|--------------------|-------------------|-------------------------|-------------------|
|   | Required Value(cm) | Tested Value (cm) | Required Value(cm)      | Tested Value (cm) |
| <b>Non-Vegetated Vertical Accuracy</b>  |                    |                   |                         |                   |
| 95-Percent Confidence Level   | 19.6               | 6.63              | 19.6                    | 7.06              |
| <b>Vegetated Vertical Accuracy</b>  |                    |                   |                         |                   |
| 95th Percentile   | N/A                | 18.34             | 30.0                    | 18.83             |

Please see the vertical\_accuracy folder within the project metadata for more information.

## Classifications Used

| Classification verification is limited to the minimum required by applicable Lidar Base Specification. Classifications beyond the minimum are not verified by USGS. |                             |
|---|-----------------------------|
| Classification ID   | Classification Type         |
| 1   | Processed, but unclassified |
| 2   | Bare-earth ground           |
| 7   | Low Noise                   |
| 9   | Water                       |
| 17  | Bridges                     |
| 18  | High Noise                  |
| 20  | Ignored Ground              |

## Sensor(s) Used

| Sensor                                  |
|---|
| Leica ALS80 - Aerial Oscillating Mirror |

## Work Unit Information

|  |  |                               |
|--|--|-------------------------------|
| <a href="#">SD_EasternSD_1_2020</a>      | <b>Work Unit ID:</b> 191758            | <b>Quality Level:</b> 2       |
| <b>Horizontal EPSG Code:</b> 6343        | <b>Vertical EPSG Code:</b> 5703        | <b>Geoid Model:</b> GEOID 12B |
| <b>DEM Ground Sample Distance:</b> 1.0   |  |                               |
| <b>Collection Start Date:</b> 2020-04-18 | <b>Collection End Date:</b> 2020-05-14 |                               |

|  |  |                              |
|--|--|------------------------------|
| <a href="#">SD_EasternSD_3_2020</a>      | <b>Work Unit ID:</b> 223644            | <b>Quality Level:</b> 2      |
| <b>Horizontal EPSG Code:</b> 6343        | <b>Vertical EPSG Code:</b> 5703        | <b>Geoid Model:</b> GEOID 18 |
| <b>DEM Ground Sample Distance:</b> 1.0   |  |                              |
| <b>Collection Start Date:</b> 2020-04-10 | <b>Collection End Date:</b> 2020-12-22 |                              |

|  |  |                              |
|--|--|------------------------------|
| <a href="#">SD_EasternSD_2_2020</a>      | <b>Work Unit ID:</b> 221795            | <b>Quality Level:</b> 2      |
| <b>Horizontal EPSG Code:</b> 6343        | <b>Vertical EPSG Code:</b> 5703        | <b>Geoid Model:</b> GEOID 18 |
| <b>DEM Ground Sample Distance:</b> 1.0   |  |                              |
| <b>Collection Start Date:</b> 2020-05-14 | <b>Collection End Date:</b> 2020-12-01 |                              |