

**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> 1.3             | <b>Primary Contractor:</b> Quantum Spatial Inc. (QSI) |
| <b>Las Version:</b> 1.4                          | <b>Contract Mechanism:</b> GPSC                       |
| <b>P Method:</b> 7 - Linear-Mode Lidar           |   |
| <b>Collection Start Date:</b> 11-16-2019         | <b>Collection End Date:</b> 04-23-2020                |
| <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><br>95-Percent Confidence Level   | 19.6               | 7.76              | 19.6                    | 7.64              |
| <b>Vegetated Vertical Accuracy</b><br>95th Percentile   | N/A                | 12.34             | 30.0                    | 12.54             |

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                 | Unclassified        |
| 2                 | Ground              |
| 7                 | Low point(noise)    |
| 9                 | Water               |
| 17                | Bridge Deck         |
| 18                | High point(noise)   |
| 20                | Ignored Ground      |

### Sensor(s) Used

|   |
|---|
| <b>Sensor</b>                                   |
| Optech Galaxy T1000 - Aerial Oscillating Mirror |

## Work Unit Information

|  |   |                               |
|--|---|-------------------------------|
| <a href="#">NH_Coastal_1_2019</a>        | <b>Work Unit ID:</b> 183371             | <b>Quality Level:</b> 1       |
| <b>Horizontal EPSG Code:</b> 6525        | <b>Vertical EPSG Code:</b><br>6360      | <b>Geoid Model:</b> GEOID 12B |
| <b>DEM Ground Sample Distance:</b> 1.25  | <b>Hydro Treatment:</b> hydro-flattened |                               |
| <b>Collection Start Date:</b> 2019-11-23 | <b>Collection End Date:</b> 2020-04-23  |                               |

|  |   |                               |
|--|---|-------------------------------|
| <a href="#">NH_Coastal_2_2019</a>        | <b>Work Unit ID:</b> 183464             | <b>Quality Level:</b> 2       |
| <b>Horizontal EPSG Code:</b> 6525        | <b>Vertical EPSG Code:</b><br>6360      | <b>Geoid Model:</b> GEOID 12B |
| <b>DEM Ground Sample Distance:</b> 2.5   | <b>Hydro Treatment:</b> hydro-flattened |                               |
| <b>Collection Start Date:</b> 2019-11-16 | <b>Collection End Date:</b> 2020-04-23  |                               |