

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

Lidar Base Specification: 1.3	Primary Contractor: Quantum Spatial Inc. (QSI)
Las Version: No Pointcloud data	Contract Mechanism: GPSC
P Method: 7 - Linear-Mode Lidar	
Collection Start Date: 09-13-2019	Collection End Date: 08-29-2020
The National Map Email: 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	Required NVA RMSEz (cm)	Tested NVA RMSEz (cm)	Required NVA at 95% confidence level (cm)	Tested NVA at 95% confidence level (cm)	Required VVA at 95th percentile (cm)	Tested VVA at 95th percentile (cm)
	10.0	3.57	19.6	6.99	N/A	26.88

Digital Elevation Model	Required NVA RMSEz (cm)	Tested NVA RMSEz (cm)	Required NVA at 95% confidence level (cm)	Tested NVA at 95% confidence level (cm)	Required VVA at 95th percentile (cm)	Tested VVA at 95th percentile (cm)
	10.0	4.12	19.6	8.08	30.0	24.76

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
6	Buildings
7	Low Noise
9	Water
17	Bridge Decks
18	High Noise
20	Ignored Ground
21	Snow
22	Temporal Exclusion

Sensor(s) Used

Sensor

Leica ALS80 - Aerial Oscillating Mirror

Work Unit Information

AK_MatSuBorough_2_2019	Work Unit ID: 213376	Quality Level: 2
Horizontal EPSG Code: 6397	Vertical EPSG Code: 6360	Geoid Model: GEOID12B
DEM Ground Sample Distance: 3.0	Hydro Treatment: hydro-flattened	
Collection Start Date: 2019-09-13	Collection End Date: 2020-08-29	

AK_MatSuBorough_B1_2019	Work Unit ID: 180695	Quality Level: 2
Horizontal EPSG Code: N/A	Vertical EPSG Code: 6360	Geoid Model: GEOID12B
DEM Ground Sample Distance: 3.0	Hydro Treatment: hydro-flattened	
Collection Start Date: 2019-09-13	Collection End Date: 2019-10-07	