

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
Las Version: 1.4	Contract Mechanism: GPSC
P Method: 7 - Linear-Mode Lidar	Hydro Treatment: hydro-flattened
Collection Start Date: 03-20-2019	Collection End Date: 11-23-2019
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		Digital Elevation Model	
	Required Value(cm)	Tested Value (cm)	Required Value(cm)	Tested Value (cm)
Non-Vegetated Vertical Accuracy				
95-Percent Confidence Level	19.6	12.69	19.6	13.55
Vegetated Vertical Accuracy				
95th Percentile	N/A	16.21	30.0	15.9

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
5	High Vegetation
7	Low Noise
9	Water
17	Bridge Decks
18	High Noise
20	Ignored Ground (breakline proximity)

Sensor(s) Used

Sensor
Riegl VQ-1560i - Aerial Oscillating Mirror
Leica ALS80 - Aerial Oscillating Mirror
Optech Galaxy T1000 - Aerial Oscillating Mirror
Riegl VQ-780i - Aerial Rotating Prism

Work Unit Information

PA_Northcentral_B2_2019	Work Unit ID: 176831	Quality Level: 2
Horizontal EPSG Code: 6350	Vertical EPSG Code: 5703	Geoid Model: GEOID 12B
DEM Ground Sample Distance: 1.0		
Collection Start Date: 2019-03-26	Collection End Date: 2019-04-11	

PA_Northcentral_B1_2019	Work Unit ID: 176722	Quality Level: 2
Horizontal EPSG Code: 6350	Vertical EPSG Code: 5703	Geoid Model: GEOID 12B
DEM Ground Sample Distance: 1.0		
Collection Start Date: 2019-03-20	Collection End Date: 2019-03-28	

PA_Northcentral_B3_2019	Work Unit ID: 176834	Quality Level: 2
Horizontal EPSG Code: 6350	Vertical EPSG Code: 5703	Geoid Model: GEOID 12B
DEM Ground Sample Distance: 1.0		
Collection Start Date: 2019-03-26	Collection End Date: 2019-05-08	

PA_Northcentral_B3QL1_2019	Work Unit ID: 188279	Quality Level: 1
Horizontal EPSG Code: 6350	Vertical EPSG Code: 5703	Geoid Model: GEOID 12B
DEM Ground Sample Distance: 0.5		
Collection Start Date: 2019-03-23	Collection End Date: 2019-03-28	

PA_Northcentral_B4_2019	Work Unit ID: 176837	Quality Level: 2
Horizontal EPSG Code: 6350	Vertical EPSG Code: 5703	Geoid Model: GEOID 12B
DEM Ground Sample Distance: 1.0		
Collection Start Date: 2019-03-26	Collection End Date: 2019-11-16	

PA_Northcentral_B5_2019	Work Unit ID: 176840	Quality Level: 2
Horizontal EPSG Code: 6350	Vertical EPSG Code: 5703	Geoid Model: GEOID 12B
DEM Ground Sample Distance: 1.0		
Collection Start Date: 2019-03-24	Collection End Date: 2019-11-23	