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: 1.4	**Contract Mechanism:** GPSC
P Method: 7 - Linear-Mode Lidar	
Collection Start Date: 10-19-2019	**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		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	6.53	19.6	6.61
Vegetated Vertical Accuracy 95th Percentile	N/A	21.88	30.0	23.47

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
3	Low Veg
4	Medium Veg
5	High Veg
6	Building
7	Low Noise
9	Water
17	Bridge Decks
20	Ignored Ground
21	snow

Sensor(s) Used

Sensor
Riegl VQ-1560i - Aerial Oscillating Mirror

Project Name: MT_RavalliGraniteCusterPowder_2019_B19

Report Date: 2022-06-17

Project Name: MT_RavalliGraniteCusterPowder_2019_B19

Report Date: 2022-06-17

Work Unit Information

MT_RavalliGraniteCusterPowder_1_2019		Work Unit ID: 183668	Quality Level: 1
Horizontal EPSG Code: 6514		Vertical EPSG Code: 5703	Geoid Model: GEOID 12B
DEM Ground Sample Distance: 0.5		Hydro Treatment: hydro-flattened	
Collection Start Date: 2020-06-02		Collection End Date: 2020-08-04	

MT_RavalliGraniteCusterPowder_4_2019		Work Unit ID: 220298	Quality Level: 1
Horizontal EPSG Code: 6514		Vertical EPSG Code: 5703	Geoid Model: GEOID 12B
DEM Ground Sample Distance: 0.5		Hydro Treatment: hydro-flattened	
Collection Start Date: 2020-05-09		Collection End Date: 2020-08-29	

MT_RavalliGraniteCusterPowder_2_2019		Work Unit ID: 218301	Quality Level: 2
Horizontal EPSG Code: 6514		Vertical EPSG Code: 5703	Geoid Model: GEOID 12B
DEM Ground Sample Distance: 1.0		Hydro Treatment: hydro-flattened	
Collection Start Date: 2019-10-25		Collection End Date: 2020-04-30	

MT_RavalliGraniteCusterPowder_3_2019		Work Unit ID: 220295	Quality Level: 2
Horizontal EPSG Code: 6514		Vertical EPSG Code: 5703	Geoid Model: GEOID 12B
DEM Ground Sample Distance: 1.0		Hydro Treatment: hydro-flattened	
Collection Start Date: 2019-10-19		Collection End Date: 2020-08-26	

Project Name: MT_RavalliGraniteCusterPowder_2019_B19

Report Date: 2022-06-17