

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: 2.1	Primary Contractor: Quantum Spatial Inc. (QSI)
Las Version: 1.4	Contract Mechanism: GPSC
P Method: 7 - Linear-Mode Lidar	
Collection Start Date: 10-13-2020	Collection End Date: 11-20-2020
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	6.98	19.6	7.16
Vegetated Vertical Accuracy				
95th Percentile	N/A	23.59	30.0	22.28

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
7	Low noise
9	Water
17	Bridge deck
18	High noise
20	Ignored ground (typically breaklines proximity)
21	Snow (if present and identifiable)
22	Temporal exclusion (typically nonfavored data in intertidal zones)

Sensor(s) Used

Sensor
Riegl VQ-1560i - Aerial Oscillating Mirror
Riegl VQ-1560ii - Rotating Polygonal Mirror
Leica Terrain Mapper - Aerial Oscillating Mirror

Work Unit Information

NV_WestCentralEarthMRI_6_2020	Work Unit ID: 300016	Quality Level: 1
Horizontal EPSG Code: 6340	Vertical EPSG Code: 5703	Geoid Model: GEOID18
DEM Ground Sample Distance: 0.5	Hydro Treatment: hydro-flattened	
Collection Start Date: 2020-10-13	Collection End Date: 2020-10-27	

NV_WestCentralEarthMRI_1_2020	Work Unit ID: 198159	Quality Level: 2
Horizontal EPSG Code: 6340	Vertical EPSG Code: 5703	Geoid Model: GEOID18
DEM Ground Sample Distance: 1.0	Hydro Treatment: hydro-flattened	
Collection Start Date: 2020-10-15	Collection End Date: 2020-11-04	

NV_WestCentralEarthMRI_4_2020	Work Unit ID: 300014	Quality Level: 2
Horizontal EPSG Code: 6340	Vertical EPSG Code: 5703	Geoid Model: GEOID18
DEM Ground Sample Distance: 1.0	Hydro Treatment: hydro-flattened	
Collection Start Date: 2020-10-18	Collection End Date: 2020-11-06	

NV_WestCentralEarthMRI_5_2020	Work Unit ID: 300015	Quality Level: 2
Horizontal EPSG Code: 6340	Vertical EPSG Code: 5703	Geoid Model: GEOID18
DEM Ground Sample Distance: 1.0	Hydro Treatment: hydro-flattened	
Collection Start Date: 2020-10-22	Collection End Date: 2020-11-20	

NV_WestCentralEarthMRI_3_2020	Work Unit ID: 300013	Quality Level: 2
Horizontal EPSG Code: 6340	Vertical EPSG Code: 5703	Geoid Model: GEOID18
DEM Ground Sample Distance: 1.0	Hydro Treatment: hydro-flattened	
Collection Start Date: 2020-10-15	Collection End Date: 2020-11-03	

NV_WestCentralEarthMRI_2_2020	Work Unit ID: 231490	Quality Level: 2
Horizontal EPSG Code: 6340	Vertical EPSG Code: 5703	Geoid Model: GEOID18
DEM Ground Sample Distance: 1.0	Hydro Treatment: hydro-flattened	
Collection Start Date: 2020-10-18	Collection End Date: 2020-11-20	