

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: NV5 Geospatial, Inc
Las Version: 1.4	Contract Mechanism: GPSC
P Method: 7 - Linear-Mode Lidar	
Collection Start Date: 10-03-2019	Collection End Date: 08-22-2020
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	8.81	19.6	8.74
Vegetated Vertical Accuracy				
95th Percentile	N/A	22.94	30.0	25.8

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
9	Water
17	Bridge Deck
18	High Noise
20	Ignored Ground
None	

Sensor(s) Used

Sensor
Riegl VQ-1560i - Aerial Oscillating Mirror

Work Unit Information

WA_EasternCascades_4_2019	Work Unit ID: 218674	Quality Level: 1
Horizontal EPSG Code: 6340	Vertical EPSG Code: 5703	Geoid Model: GEOID 12B
DEM Ground Sample Distance: 0.5	Hydro Treatment: hydro-flattened	
Collection Start Date: 2019-10-03	Collection End Date: 2020-08-18	

WA_EasternCascades_3_2019	Work Unit ID: 216326	Quality Level: 1
Horizontal EPSG Code: 6340	Vertical EPSG Code: 5703	Geoid Model: GEOID 12B
DEM Ground Sample Distance: 0.5	Hydro Treatment: hydro-flattened	
Collection Start Date: 2019-10-26	Collection End Date: 2020-04-07	

WA_EasternCascades_2_2019	Work Unit ID: 216329	Quality Level: 1
Horizontal EPSG Code: 6339	Vertical EPSG Code: 5703	Geoid Model: GEOID 12B
DEM Ground Sample Distance: 0.5	Hydro Treatment: hydro-flattened	
Collection Start Date: 2019-10-14	Collection End Date: 2020-04-07	

WA_EasternCascades_5_2019	Work Unit ID: 218680	Quality Level: 1
Horizontal EPSG Code: 6339	Vertical EPSG Code: 5703	Geoid Model: N/A
DEM Ground Sample Distance: 0.5	Hydro Treatment: hydro-flattened	
Collection Start Date: 2019-11-03	Collection End Date: 2020-08-14	

WA_EasternCascades_6_2019	Work Unit ID: 218684	Quality Level: 1
Horizontal EPSG Code: 6399	Vertical EPSG Code: 5703	Geoid Model: GEOID 12B
DEM Ground Sample Distance: 0.5	Hydro Treatment: hydro-flattened	
Collection Start Date: 2019-10-03	Collection End Date: 2020-08-22	

WA_EasternCascades_1_2019	Work Unit ID: 182974	Quality Level: 1
Horizontal EPSG Code: 6339	Vertical EPSG Code: 5703	Geoid Model: GEOID 12B
DEM Ground Sample Distance: 0.5	Hydro Treatment: hydro-flattened	
Collection Start Date: 2019-10-03	Collection End Date: 2020-07-25	