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:** Financial Assistance
P Method: 7 - Linear-Mode Lidar	
Collection Start Date: 05-08-2020	**Collection End Date:** 09-03-2020
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	**3.73**	19.6	**7.31**	N/A	**18.43**

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	**3.77**	19.6	**7.40**	30.0	**20.83**

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**

Sensor(s) Used

Sensor
Riegl LMS Q1560 - Aerial Rotating Prism

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The National Map

Project Name: OR_OLCMetro_2019_A19

Report Date: 2023-12-05

Work Unit Information

OR_OLCMetro_2019		Work Unit ID: 176041	Quality Level: 1
Horizontal EPSG Code: 6350		Vertical EPSG Code: 5703	Geoid Model: GEOID12B
DEM Ground Sample Distance: 1.0		Hydro Treatment: hydro-flattened	
Collection Start Date: 2020-05-08		Collection End Date: 2020-09-03	

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The National Map

Project Name: OR_OLCMetro_2019_A19

Report Date: 2023-12-05