

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: Lidar Base Specification 2024 rev. A	Primary Contractor: Dewberry Consultants LLC (Dewberry)
Las Version: 1.4	Contract Mechanism: GPSC
P Method: 13 - Topobathymetric Lidar	
Collection Start Date: 10-06-2022	Collection End Date: 11-03-2022
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 interval (cm)	Tested NVA at 95% confidence interval (cm)	Required BVA at 95th percentile (cm)	Tested BVA at 95th interval (cm)
	10.00	9.56	19.6	18.74	58.8	50.86

Digital Elevation Model	Required NVA RMSEz (cm)	Tested NVA RMSEz (cm)	Required NVA at 95% confidence interval (cm)	Tested NVA at 95% confidence interval (cm)	Required BVA at 95th percentile (cm)	Tested BVA at 95th interval (cm)
	10.00	9.68	19.6	18.6	58.8	21.69

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 (Noise)
18	High Noise
22	Temporal Exclusion
40	Bathymetric Bottom
41	Water Surface
42	Synthetic Water Surface
45	Water Column

Sensor(s) Used

Sensor

Optech CZMIL SuperNova - topo/bathy lidar system
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Work Unit Information

LA_BretonIsl_Topobathymetric_D22	Work Unit ID: 300478	Quality Level: 2
Horizontal EPSG Code: 6345	Vertical EPSG Code: 5703	Geoid Model: GEOID18
DEM Ground Sample Distance: 0.5	Hydro Treatment: no hydro treatment	
Collection Start Date: 2022-10-06	Collection End Date: 2022-11-03	