

**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

Project ID: 80391

<b>Lidar Base Specification:</b> 1.3	<b>Primary Contractor:</b> Quantum Spatial, Inc
<b>Las Version:</b> 1.4	<b>Contract Mechanism:</b> GPSC
<b>P Method:</b> 13 - Topobathymetric Lida	<b>Hydro Treatment:</b> no hydro treatment
<b>Collection Start Date:</b> 08-24-2020	<b>Collection End Date:</b> 09-20-2020
<b>The National Map Email:</b> tnm_help@usgs.gov	

## Vertical Accuracy Results

<a href="#">The U.S. Geological Survey evaluates absolute vertical accuracy of the lidar and lidar-derived bare earth DEM data at the project level</a>	Lidar Point Cloud		Digital Elevation Model	
	Required Value (cm)	Tested Value (cm)	Required Value (cm)	Tested Value (cm)
<b>Non-Vegetated Vertical Accuracy</b> 95-percent confidence level	19.6	3.24	19.6	3.30
<b>Vegetated Vertical Accuracy</b> 95th Percentile	N/A	20.91	30.0	20.27

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 Noise
9	NIR Water
17	Bridge Deck
18	High Noise
20	Ignored Ground Near Breakline

## Sensor(s) Used

Sensor
Riegl VQ-880-GII-IR - Rotating Polygon Mirror
Riegl VQ-880-GII - Rotating Polygon Mirror

40	Submerged Topography
41	Green Water Surface
45	Water Column

## Work Unit Information

<b>NE_Niobrara_Topobathy_2018</b>	<b>Work Unit ID:</b> 80388	<b>Quality Level:</b> 2
<b>Horizontal EPSG Code:</b> 6343	<b>Vertical EPSG Code:</b> 5703	<b>Geoid Model:</b> GEOID 12B
<b>DEM Ground Sample Distance:</b> 1(meter)		
<b>Collection Start Date:</b> 08-24-2020	<b>Collection End Date:</b> 09-20-2020	