

**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

<b>Lidar Base Specification:</b> 1.3	<b>Primary Contractor:</b> Fugro Geospatial, Inc
<b>Las Version:</b> 1.4	<b>Contract Mechanism:</b> GPSC
<b>P Method:</b> 7 - Linear-Mode Lidar	<b>Hydro Treatment:</b> hydro-flattened
<b>Collection Start Date:</b> 12-07-2018	<b>Collection End Date:</b> 01-07-2020
<b>The National Map Email:</b> 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)
<b>Non-Vegetated Vertical Accuracy</b>				
95-Percent Confidence Level	19.6	9.73	19.6	10.23
<b>Vegetated Vertical Accuracy</b>				
95th Percentile	N/A	16.48	30.0	17.44

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	Water
17	Bridge Decks
18	High Noise
20	Ignored Ground

## Sensor(s) Used

Sensor
Leica ALS80 - Aerial Oscillating Mirror

## Work Unit Information

<a href="#">VA_UpperMiddleNeckQL2_B3_2018</a>	<b>Work Unit ID:</b> 80440	<b>Quality Level:</b> 2
<b>Horizontal EPSG Code:</b> 6350	<b>Vertical EPSG Code:</b> 5703	<b>Geoid Model:</b> GEOID 12B
<b>DEM Ground Sample Distance:</b> 1.0		
<b>Collection Start Date:</b> 2019-12-16	<b>Collection End Date:</b> 2020-01-07	

<a href="#">VA_UpperMiddleNeckQL2_B2_2018</a>	<b>Work Unit ID:</b> 80437	<b>Quality Level:</b> 2
<b>Horizontal EPSG Code:</b> 6350	<b>Vertical EPSG Code:</b> 5703	<b>Geoid Model:</b> N/A
<b>DEM Ground Sample Distance:</b> 1.0		
<b>Collection Start Date:</b> 2018-12-07	<b>Collection End Date:</b> 2018-12-11	

<a href="#">VA_UpperMiddleNeck_Mod_2018</a>	<b>Work Unit ID:</b> 208671	<b>Quality Level:</b> 2
<b>Horizontal EPSG Code:</b> 6347	<b>Vertical EPSG Code:</b> 5703	<b>Geoid Model:</b> GEOID 12B
<b>DEM Ground Sample Distance:</b> 1		
<b>Collection Start Date:</b> 2019-12-20	<b>Collection End Date:</b> 2019-12-21	