

**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> Lidar Base Specification 2022 rev. A.	<b>Primary Contractor:</b> NV5 Geospatial, Inc
<b>Las Version:</b> 1.4	<b>Contract Mechanism:</b> GPSC
<b>P Method:</b> 7 - Linear-Mode Lidar	
<b>Collection Start Date:</b> 04-06-2022	<b>Collection End Date:</b> 08-31-2022
<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	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	3.7	19.6	7.3	N/A	21.9

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	3.8	19.6	7.4	30.0	21.3

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 Deck
18	High Noise
20	Ignored Ground
21	Snow
22	Temporal Exclusion

### Sensor(s) Used

<b>Sensor</b>
Riegl 1560ii/ii-s - Rotating Polygonal Mirror
Riegl VQ-1560ii - Rotating Polygonal Mirror

## Work Unit Information

<a href="#">WA_NorthEast_1_B22</a>	<b>Work Unit ID:</b> 230962	<b>Quality Level:</b> 1
<b>Horizontal EPSG Code:</b> 6340	<b>Vertical EPSG Code:</b> 5703	<b>Geoid Model:</b> GEOID18
<b>DEM Ground Sample Distance:</b> 0.5	<b>Hydro Treatment:</b> hydro-flattened	
<b>Collection Start Date:</b> 2022-07-11	<b>Collection End Date:</b> 2022-08-31	

<a href="#">WA_NorthEast_2_B22</a>	<b>Work Unit ID:</b> 300274	<b>Quality Level:</b> 1
<b>Horizontal EPSG Code:</b> 6340	<b>Vertical EPSG Code:</b> 5703	<b>Geoid Model:</b> GEOID18
<b>DEM Ground Sample Distance:</b> 0.5	<b>Hydro Treatment:</b> hydro-flattened	
<b>Collection Start Date:</b> 2022-04-06	<b>Collection End Date:</b> 2022-07-19	