

**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 2023 rev. A	<b>Primary Contractor:</b> Merrick-Surdex Joint Venture (MSJV)
<b>Las Version:</b> 1.4	<b>Contract Mechanism:</b> GPSC
<b>P Method:</b> 7 - Linear-Mode Lidar	
<b>Collection Start Date:</b> 12-07-2023	<b>Collection End Date:</b> 03-29-2024
<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	<b>3.72</b>	19.6	<b>7.30</b>	N/A	<b>18.90</b>

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	<b>3.72</b>	19.6	<b>7.29</b>	30.0	<b>19.52</b>

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
3	Low Vegetation
4	Medium Vegetation
5	High Vegetation
6	Building
7	Low Point (Noise)
9	Water
17	Bridge Deck
18	High Noise
20	Ignored Ground

21	Snow
22	Temporal Exclusion

## Sensor(s) Used

<b>Sensor</b>
Optech Galaxy T2000 - Aerial Oscillating Mirror

## Work Unit Information

<a href="#">IL_10CoNRCS_2_D23</a>	<b>Work Unit ID:</b> 300581	<b>Quality Level:</b> 1
<b>Horizontal EPSG Code:</b> 6457	<b>Vertical EPSG Code:</b> 6360	<b>Geoid Model:</b> GEOID18
<b>DEM Ground Sample Distance:</b> 1.0	<b>Hydro Treatment:</b> hydro-flattened	
<b>Collection Start Date:</b> 2023-12-07	<b>Collection End Date:</b> 2024-03-29	

<a href="#">IL_10CoNRCS_3_D23</a>	<b>Work Unit ID:</b> 300582	<b>Quality Level:</b> 1
<b>Horizontal EPSG Code:</b> 6457	<b>Vertical EPSG Code:</b> 6360	<b>Geoid Model:</b> GEOID18
<b>DEM Ground Sample Distance:</b> 1.0	<b>Hydro Treatment:</b> hydro-flattened	
<b>Collection Start Date:</b> 2023-12-11	<b>Collection End Date:</b> 2024-01-29	

<a href="#">IL_10CoNRCS_1_D23</a>	<b>Work Unit ID:</b> 300580	<b>Quality Level:</b> 1
<b>Horizontal EPSG Code:</b> 6455	<b>Vertical EPSG Code:</b> 6360	<b>Geoid Model:</b> GEOID18
<b>DEM Ground Sample Distance:</b> 1.0	<b>Hydro Treatment:</b> hydro-flattened	
<b>Collection Start Date:</b> 2023-12-24	<b>Collection End Date:</b> 2024-03-29	