

**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> 2.1	<b>Primary Contractor:</b> NV5 Geospatial, Inc
<b>Las Version:</b> 1.4	<b>Contract Mechanism:</b> Financial Assistance
<b>P Method:</b> 7 - Linear-Mode Lidar	
<b>Collection Start Date:</b> 10-15-2014	<b>Collection End Date:</b> 07-28-2020
<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	13.29	19.6	13.14
<b>Vegetated Vertical Accuracy</b> 95th Percentile	N/A	14.36	30.0	15.52

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

### Sensor(s) Used

<b>Sensor</b>
Riegl VQ-1560i - Aerial Oscillating Mirror

## Work Unit Information

OR_HarneySilver_1_2020	Work Unit ID: 191397	Quality Level: 1
Horizontal EPSG Code: 6557	Vertical EPSG Code: 8228	Geoid Model: GEOID12B
DEM Ground Sample Distance: 3.0	Hydro Treatment: hydro-flattened	
Collection Start Date: 2014-10-15	Collection End Date: 2017-08-29	

OR_HarneySilver_2_2020	Work Unit ID: 300031	Quality Level: 1
Horizontal EPSG Code: 6557	Vertical EPSG Code: 8228	Geoid Model: GEOID12B
DEM Ground Sample Distance: 3.0	Hydro Treatment: hydro-flattened	
Collection Start Date: 2014-10-31	Collection End Date: 2017-09-11	

OR_HarneySilver_3_2020	Work Unit ID: 300032	Quality Level: 1
Horizontal EPSG Code: 6557	Vertical EPSG Code: 8228	Geoid Model: GEOID12B
DEM Ground Sample Distance: 3.0	Hydro Treatment: hydro-flattened	
Collection Start Date: 2017-08-28	Collection End Date: 2018-08-03	

OR_HarneySilver_4_2020	Work Unit ID: 300033	Quality Level: 1
Horizontal EPSG Code: 6557	Vertical EPSG Code: 8228	Geoid Model: GEOID12B
DEM Ground Sample Distance: 3.0	Hydro Treatment: hydro-flattened	
Collection Start Date: 2020-07-27	Collection End Date: 2020-07-28	