

**Work Package 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 work package.

## Project Information

Work Package ID: 189089

<b>Lidar Base Specification:</b> 1.3	<b>Primary Contractor:</b> Merrick-Surdex Joint-Venture
<b>Las Version:</b> 1.4	<b>Contract Mechanism:</b> Contributed
<b>P Method:</b> 7 - Linear-Mode Lidar	<b>Hydro Treatment:</b> hydro-flattened
<b>Collection Start Date:</b> 2019-07-31	<b>Collection End Date:</b> 2019-10-05
<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 work package 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	10.01	19.6	9.94
<b>Vegetated Vertical Accuracy</b> 95th Percentile		21.16	30.0	21.71

Please see the vertical\_accuracy folder within the work package 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	Processed, But Unclassified
2	Bare Earth
7	Low Noise
9	Water
10	Ignored Ground

## Sensor(s) Used

Sensor
Optech Galaxy ALTM - Aerial Oscillating Mirror
Optech Galaxy ALTM - Aerial Oscillating Mirror
Optech Galaxy ALTM - Aerial Oscillating Mirror
Optech Galaxy ALTM - Aerial Oscillating Mirror

17	Bridge Decks
18	High Noise

## Work Unit Information

<a href="#">CO_NESEColorado_1_2019</a>	<b>Work Unit ID:</b> 189086	<b>Quality Level:</b> 2
<b>Horizontal EPSG Code:</b> 6432	<b>Vertical EPSG Code:</b> 6360	<b>Geoid Model:</b> GEOID 12B
<b>DEM Ground Sample Distance:</b> 2.0		
<b>Collection Start Date:</b> 2019-08-10	<b>Collection End Date:</b> 2019-08-12	

<a href="#">CO_NESEColorado_2_2019</a>	<b>Work Unit ID:</b> 196748	<b>Quality Level:</b> 2
<b>Horizontal EPSG Code:</b> 6432	<b>Vertical EPSG Code:</b> 6360	<b>Geoid Model:</b> GEOID 12B
<b>DEM Ground Sample Distance:</b> 2.0		
<b>Collection Start Date:</b> 2019-08-12	<b>Collection End Date:</b> 2019-10-05	

<a href="#">CO_NESEColorado_3_2019</a>	<b>Work Unit ID:</b> 196754	<b>Quality Level:</b> 2
<b>Horizontal EPSG Code:</b> 6432	<b>Vertical EPSG Code:</b> 6360	<b>Geoid Model:</b> GEOID 12B
<b>DEM Ground Sample Distance:</b> 2.0		
<b>Collection Start Date:</b> 2019-08-15	<b>Collection End Date:</b> 2019-08-26	

<a href="#">CO_NESEColorado_4_2019</a>	<b>Work Unit ID:</b> 195311	<b>Quality Level:</b> 2
<b>Horizontal EPSG Code:</b> 6430	<b>Vertical EPSG Code:</b> 6360	<b>Geoid Model:</b> GEOID 12B
<b>DEM Ground Sample Distance:</b> 2.0		
<b>Collection Start Date:</b> 2019-07-31	<b>Collection End Date:</b> 2019-09-08	