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

Lidar Base Specification: 1.2	**Primary Contractor:** Fugro Geospatial, Inc. (Fugro)
Las Version: 1.4	**Contract Mechanism:** GPSC
P Method: 7 - Linear-Mode Lidar	
Collection Start Date: 04-27-2018	**Collection End Date:** 06-12-2020
The National Map Email: 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)**
Non-Vegetated Vertical Accuracy 95-Percent Confidence Level	19.6	12.5	19.6	12.17
Vegetated Vertical Accuracy 95th Percentile	N/A	17.48	29.4	16.38

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	Processed, but unclassified
2	Bare earth
7	Low noise
9	Water
10	Ignored ground (near a breakline)
17	Bridge decks
18	High noise

Sensor(s) Used

Sensor
Riegl LMS Q1560 - Aerial Rotating Prism
Riegl LMS-Q680i - Rotating Polygon Mirror
Leica ALS80 - Aerial Oscillating Mirror

Work Unit Information

SD_Southwest_B2_2018		Work Unit ID: 79125	Quality Level: 2
Horizontal EPSG Code: 6342		**Vertical EPSG Code:** 5703	**Geoid Model:** GEOID 12B
DEM Ground Sample Distance: 0.5		**Hydro Treatment:** hydro-flattened	
Collection Start Date: 2018-05-16		**Collection End Date:** 2019-06-01	

SD_Southwest_B4_2018		Work Unit ID: 79132	Quality Level: 2
Horizontal EPSG Code: 6343		**Vertical EPSG Code:** 5703	**Geoid Model:** GEOID 12B
DEM Ground Sample Distance: 0.5		**Hydro Treatment:** hydro-flattened	
Collection Start Date: 2018-05-15		**Collection End Date:** 2019-06-13	

SD_Southwest_B5_2018		Work Unit ID: 214106	Quality Level: 2
Horizontal EPSG Code: 6342		**Vertical EPSG Code:** 5703	**Geoid Model:** GEOID 12B
DEM Ground Sample Distance: 0.5		**Hydro Treatment:** hydro-flattened	
Collection Start Date: 2018-04-27		**Collection End Date:** 2020-06-12	

SD_Southwest_B1_2018		Work Unit ID: 79113	Quality Level: 2
Horizontal EPSG Code: 6342		**Vertical EPSG Code:** 5703	**Geoid Model:** GEOID 12B
DEM Ground Sample Distance: 0.5		**Hydro Treatment:** hydro-flattened	
Collection Start Date: 2018-05-14		**Collection End Date:** 2018-05-26	

SD_Southwest_B3_2018		Work Unit ID: 79128	Quality Level: 2
Horizontal EPSG Code: 6343		**Vertical EPSG Code:** 5703	**Geoid Model:** GEOID 12B
DEM Ground Sample Distance: 0.5		**Hydro Treatment:** hydro-enforced	
Collection Start Date: 2018-10-15		**Collection End Date:** 2018-10-21	

Project Name: SD_Southwest_NRCS_SD_2018_D18

Report Date: 2022-07-28