ND_3DEPProcessing_D22



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: Lidar Base Specification 2022 rev. A.	Primary Contractor: Fugro Geospatial, Inc. (Fugro)
Las Version: 1.4	Contract Mechanism: GPSC
P Method: 7 - Linear-Mode Lidar	_
Collection Start Date: 11-14-2016	Collection End Date: 04-29-2021
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

Lidai Poini Clou	t NV	quired A RMSEz	NVA RMSF7	95% confidence	95% confidence	'	Tested VVA at 95th percentile (cm)
	10.	.0	3.93	19.6	7.70	N/A	20.01

Digital	Required NVA RMSEz (cm)	NVA RMSE ₇	95% confidence	95% confidence		Tested VVA at 95th percentile (cm)
	10.0	4.21	19.6	8.25	30.0	19.07

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		
6	Building		
7	Low Noise		
9	Water		
17	Bridge Deck		
18	High Noise		
20	Ignored Ground		
21	Snow		
22	Temporal exclusion		
8	Model Key Point		





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Sensor(s) Used

Sensor Leica ALS80 - Aerial Oscillating Mirror Riegl VQ-1560i - Aerial Oscillating Mirror Riegl 1560ii/ii-s - Rotating Polygonal Mirror Riegl LMS Q1560 - Aerial Rotating Prism





Project Name: ND_3DEPProcessing_D22

Report Date: 2024-01-22

Work Unit Information

ND_3DEPProcessing_2_D22	Work Unit ID: 300203	Quality Level: 2		
Horizontal EPSG Code: 6343	Vertical EPSG Code: 5703	Geoid Model: GEOID18		
DEM Ground Sample Distance: 1.0	Hydro Treatment: hydro	Hydro Treatment: hydro-flattened		
Collection Start Date: 2016-11-14	Collection End Date: 20	Collection End Date: 2021-04-29		

ND_3DEPProcessing_1_D22	Work Unit ID: 300152	Quality Level: 2		
Horizontal EPSG Code: 6343	Vertical EPSG Code: 5703	Geoid Model: GEOID18		
DEM Ground Sample Distance: 1.0	Hydro Treatment: hyd	Hydro Treatment: hydro-flattened		
Collection Start Date: 2019-05-31	Collection End Date: 2	Collection End Date: 2021-04-10		

ND_3DEPProcessing_3_D22	Work Unit ID: 300204	Quality Level: 2		
Horizontal EPSG Code: 6343	Vertical EPSG Code: 5703	Geoid Model: GEOID18		
DEM Ground Sample Distance: 1.0	Hydro Treatment: hydro	Hydro Treatment: hydro-flattened		
Collection Start Date: 2017-05-04	Collection End Date: 20	Collection End Date: 2021-04-29		

ND_3DEPProcessing_5_D22	Work Unit ID: 300234	Quality Level: 2	
Horizontal EPSG Code: 6343	Vertical EPSG Code: 5703	Geoid Model: GEOID18	
DEM Ground Sample Distance: 1.0	Hydro Treatment: hydro-flattened		
Collection Start Date: 2020-10-09	Collection End Date: 2021-04-29		

ND_3DEPProcessing_4_D22	Work Unit ID: 300233	Quality Level: 2	
Horizontal EPSG Code: 6342	Vertical EPSG Code: 5703	Geoid Model: GEOID18	
DEM Ground Sample Distance: 1.0	Hydro Treatment: hydro-flattened		
Collection Start Date: 2016-11-19	Collection End Date: 2017-10-27		

ND_3DEPProcessing_6_D22	Work Unit ID: 300235	Quality Level: 2	
Horizontal EPSG Code: 6343	Vertical EPSG Code: 5703	Geoid Model: GEOID18	
DEM Ground Sample Distance: 1.0	Hydro Treatment: hydro-flattened		
Collection Start Date: 2019-05-26	Collection End Date: 2021-04-01		





Project Name: ND_3DEPProcessing_D22

Report Date: 2024-01-22