

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: The Sanborn Map Company, Inc. (Sanborn) |
| Las Version: 1.4 | Contract Mechanism: Financial Assistance |
| P Method: 7 - Linear-Mode Lidar | |
| Collection Start Date: 12-26-2022 | Collection End Date: 02-06-2023 |
| 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 | 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 | 6.06 | 19.6 | 11.87 | N/A | 14.30 |

| 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 | 6.13 | 19.6 | 12.02 | 30.0 | 14.52 |

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 Point (Noise) |
| 9 | Water |
| 17 | Bridge Deck |
| 18 | High Noise |
| 20 | Ignored Ground |
| 64 | culvert |

Sensor(s) Used

Sensor

Leica Terrain Mapper - Aerial Oscillating Mirror



Project Name:
CA_SolanoCounty_A23

Report Date: 2025-01-14

Work Unit Information

| | | |
|--|---|-----------------------------|
| CA_SolanoCounty_1_A23 | Work Unit ID: 300568 | Quality Level: 1 |
| Horizontal EPSG Code: 6418 | Vertical EPSG Code: 6360 | Geoid Model: GEOID18 |
| DEM Ground Sample Distance: 1.0 | Hydro Treatment: hydro-flattened | |
| Collection Start Date: 2022-12-26 | Collection End Date: 2023-02-06 | |