

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: 2020 Revision A | Primary Contractor: Quantum Spatial Inc. (QSI) |
|---|--|
| Las Version: 1.4 | Contract Mechanism: GPSC |
| P Method: 7 - Linear-Mode Lidar | |
| Collection Start Date: 07-02-2019 | Collection End Date: 07-03-2021 |
| The National Map Email: tnm_help@usgs.gov | 1 |

Vertical Accuracy Results

| The U.S. Geological Survey evaluates absolute vertical accuracy | Lidar Point Cloud | | Digital Elevation Model | |
|---|-----------------------|-------|----------------------------|-------------------------|
| | Required Value(cm) | | Required Value(cm) | Tested Value (cm) |
| Non-Vegetated Vertical Accuracy 95-Percent Confidence Level | 19.6 | 4.04 | 19.6 | 4.15 |
| Vegetated Vertical Accuracy 95th Percentile | N/A | 10.46 | 30.0 | 9.57 |

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.

| classifications beyond the minimum are not vermed by 0505. | | |
|--|-------------------|--|
| Classification ID Classification Type | | |
| 1 | | |
| 2 | Ground | |
| 7 | Low Point (noise) | |
| 9 | Water | |
| 17 | Bridge Deck | |
| 18 | High Noise | |
| 20 | Ignored Ground | |

Sensor(s) Used

| Sensor |
|---|
| Riegl 1560ii/ii-s - Rotating Polygonal Mirror |





Work Unit Information

| CA_AlamedaCo_1_2021 | Work Unit ID: 221238 | Quality Level: 1 | |
|--|----------------------------------|-----------------------|--|
| Horizontal EPSG Code: 6420 | Vertical EPSG Code: 6360 | Geoid Model: GEOID 18 | |
| DEM Ground Sample Distance: 1.0 | Hydro Treatment: hydro-flattened | | |
| Collection Start Date: 2021-06-21 | Collection End Date: 2021-07-02 | | |

| CA_AlamedaCo_2_2021 | Work Unit ID: 225021 | Quality Level: 1 | | |
|--|---------------------------------|----------------------------------|--|--|
| Horizontal EPSG Code: 6420 | Vertical EPSG Code: 6360 | Geoid Model: GEOID 18 | | |
| DEM Ground Sample Distance: 1.0 | Hydro Treatment: hydr | Hydro Treatment: hydro-flattened | | |
| Collection Start Date: 2019-07-02 | Collection End Date: 2021-07-02 | | | |

| CA_AlamedaCo_3_2021 | Work Unit ID: 225024 | Quality Level: 0 |
|-----------------------------------|-----------------------------|-----------------------|
| Horizontal EPSG Code: 6420 | Vertical EPSG Code: 6360 | Geoid Model: GEOID 18 |
| DEM Ground Sample Distance: 1.0 | Hydro Treatment: hydro | p-flattened |
| Collection Start Date: 2021-06-21 | Collection End Date: 20 | 021-07-03 |



