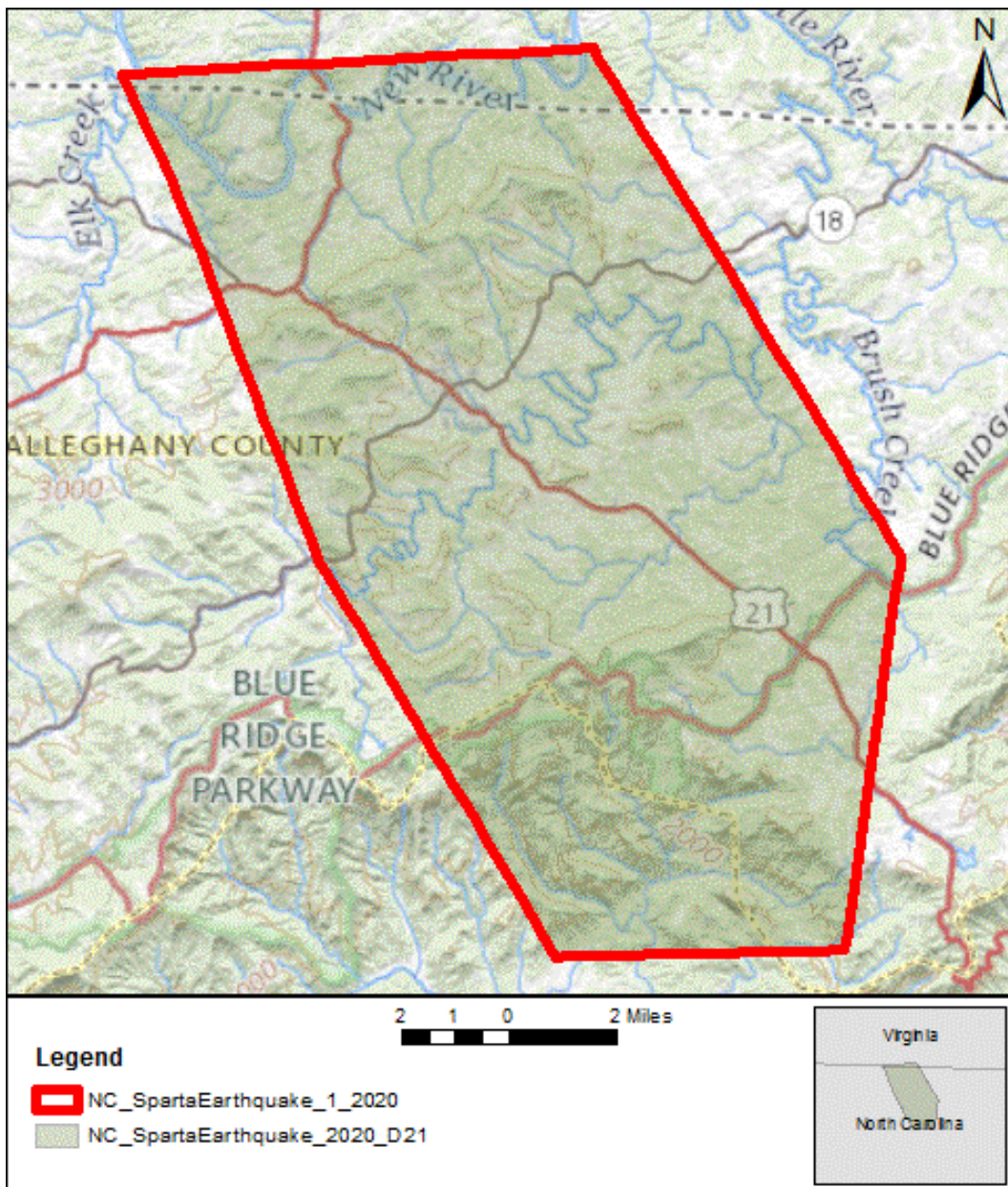


Data Validation Report

from the National Geospatial Technical Operations Center in
Support of the 3D Elevation Program

NC_SpartaEQ_1_2020

2022-01-28



Based on this review, the delivered data **DOES NOT MEET** 3D Elevation Program requirements.

Work Unit Summary Information

Project Name: NC_SpartaEarthquake_2020_D21	Project ID: 212603
WU Name: NC_SpartaEQ_1_2020	Work Unit ID: 212600
Mechanism: GPSC	Lidar Base Spec: 2020 Revision A
Quality Level: 1	P-Method: 7 - Linear-Mode Lidar
Horizontal EPSG Code: 6346	Vertical EPSG Code: 5703 Geoid Model: GEOID 18
The National Map Help Desk Email: tnm_help@usgs.gov	

The U.S. Geological Survey evaluates absolute vertical accuracy of the lidar and lidar-derived bare earth digital elevation model (DEM) data at the project level. Data are produced to meet 9.8 cm absolute vertical accuracy at the 95-percent confidence level in non-vegetated, open terrain. To review vertical accuracy results, please see the project report

Breaklines

Based on this Review, the USGS-NGTOC **ACCEPTS** the Breaklines

This Project is not hydro-flattened and there were no hydro breaklines delivered.

Error Type	Subtype	Quantity
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Reporting Metadata

Based on this Review, the USGS-NGTOC **ACCEPTS** the Reporting Metadata

Reports from the contractor, including calibration, collection, and processing methods, are reviewed for accurate information. For more information, please see the work units metadata.

Error Type	Subtype	Quantity
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FGDC XML Metadata

Based on this Review, the USGS-NGTOC **ACCEPTS** the FGDC XML Metadata

CSGDM .xml metadata are parsed using the USGS Geospatial Metadata Validation Service and reviewed for accurate information. CSDGM is maintained by the Federal Geographic Data Committee (FGDC).

Error Type	Subtype	Quantity
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Spatial Metadata

Based on this Review, the USGS-NGTOC **ACCEPTS** the Spatial Metadata

Spatial metadata from the contractor, including raster and vector datasets, are evaluated together with pertinent deliverables for geometric fidelity and attribution accuracy. For more information, please see the work units metadata.

Error Type	Subtype	Quantity
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Project Name: NC_SpartaEarthquake_2020_D21

Report Date: 2022-01-28

Raster Metadata

Based on this Review, the USGS-NGTOC **ACCEPTS** the Raster Metadata

None

Error Type	Subtype	Quantity
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DEM

Based on this Review, the USGS-NGTOC **ACCEPTS** the DEM

Visual review is performed on .tif bare earth rasters at a 1:5,000 or larger viewing scale to validate point cloud geometry, raster processing methodology, point classification, and breaklines. Comprehensive review is completed to ensure consistency and accuracy across all files. For additional information, please see this work units metadata folder.

Error Type	Subtype	Quantity
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Pointcloud

Based on this Review, the USGS-NGTOC **ACCEPTS** the Pointcloud

Visual and statistical review is performed on classified .las files to validate adherence to contracted specifications. A comprehensive review is completed to ensure consistency and accuracy across all files, including the spatial reference system. Classification verification is limited to the minimum required by applicable Lidar Base Specification. Classifications beyond the minimum are not verified by USGS. LAS files are evaluated to ensure the public header block, point data records, and variable/extended variable length records are correctly populated. For additional information, please see the work units metadata folder.

Error Type	Subtype	Quantity
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