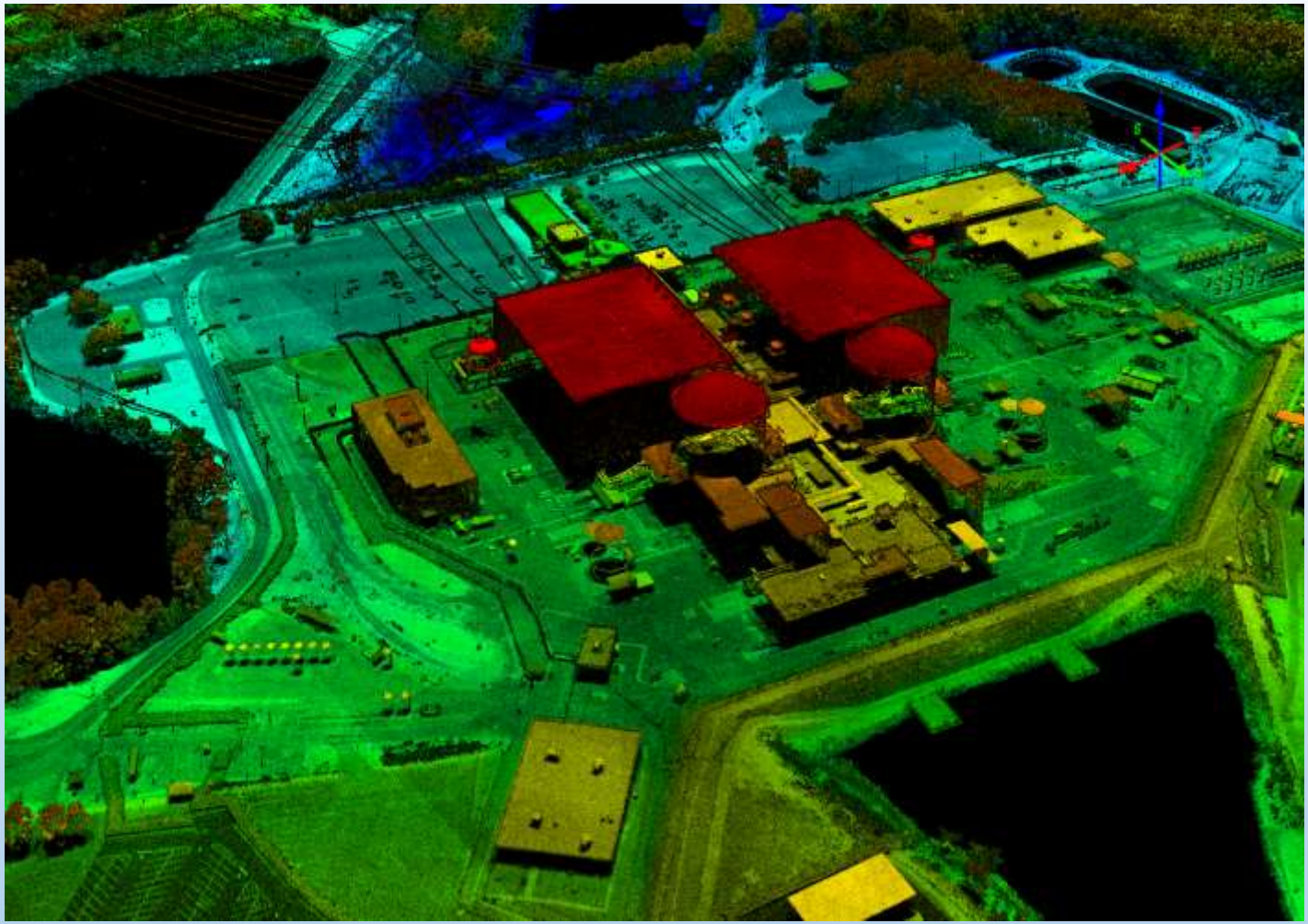
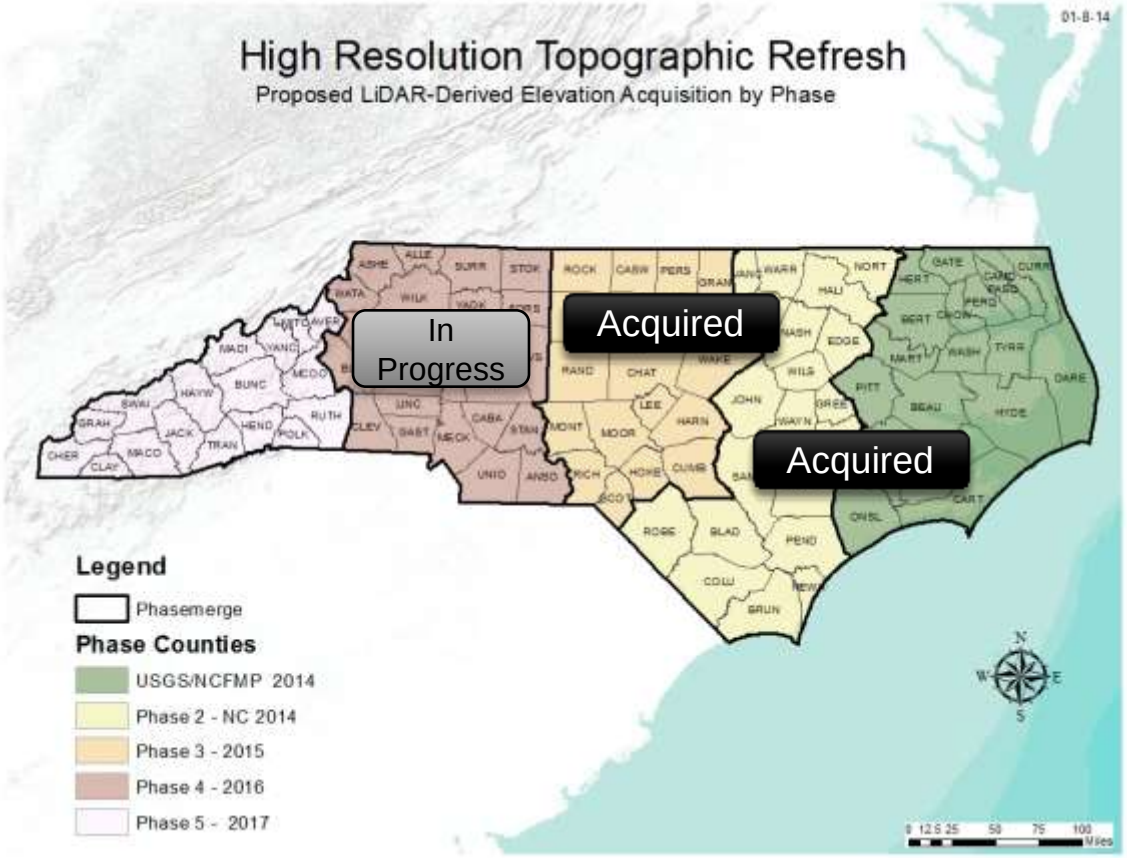


North Carolina Lidar Acquisition

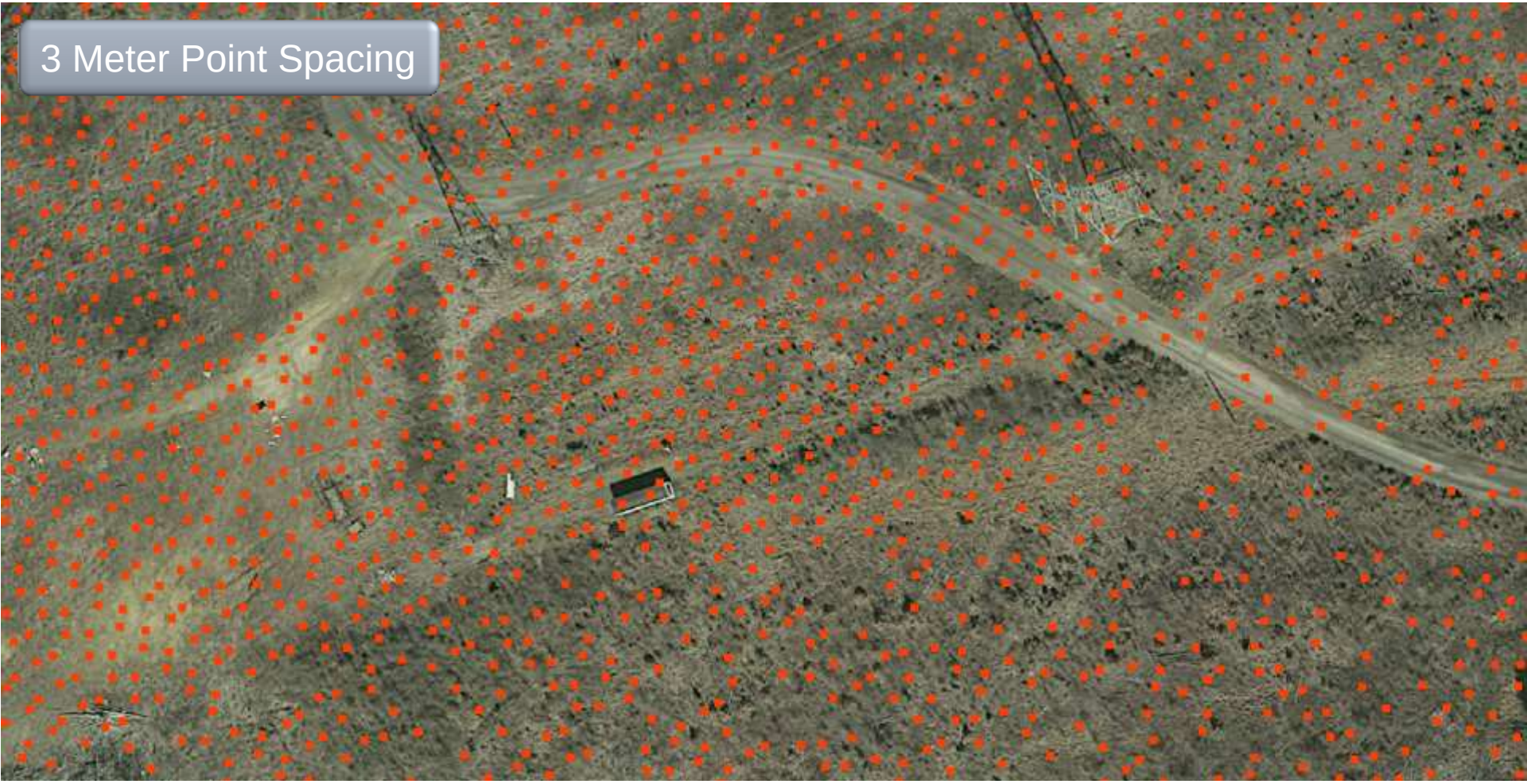
http://fris.nc.gov/fris

STATEWIDE PHASES

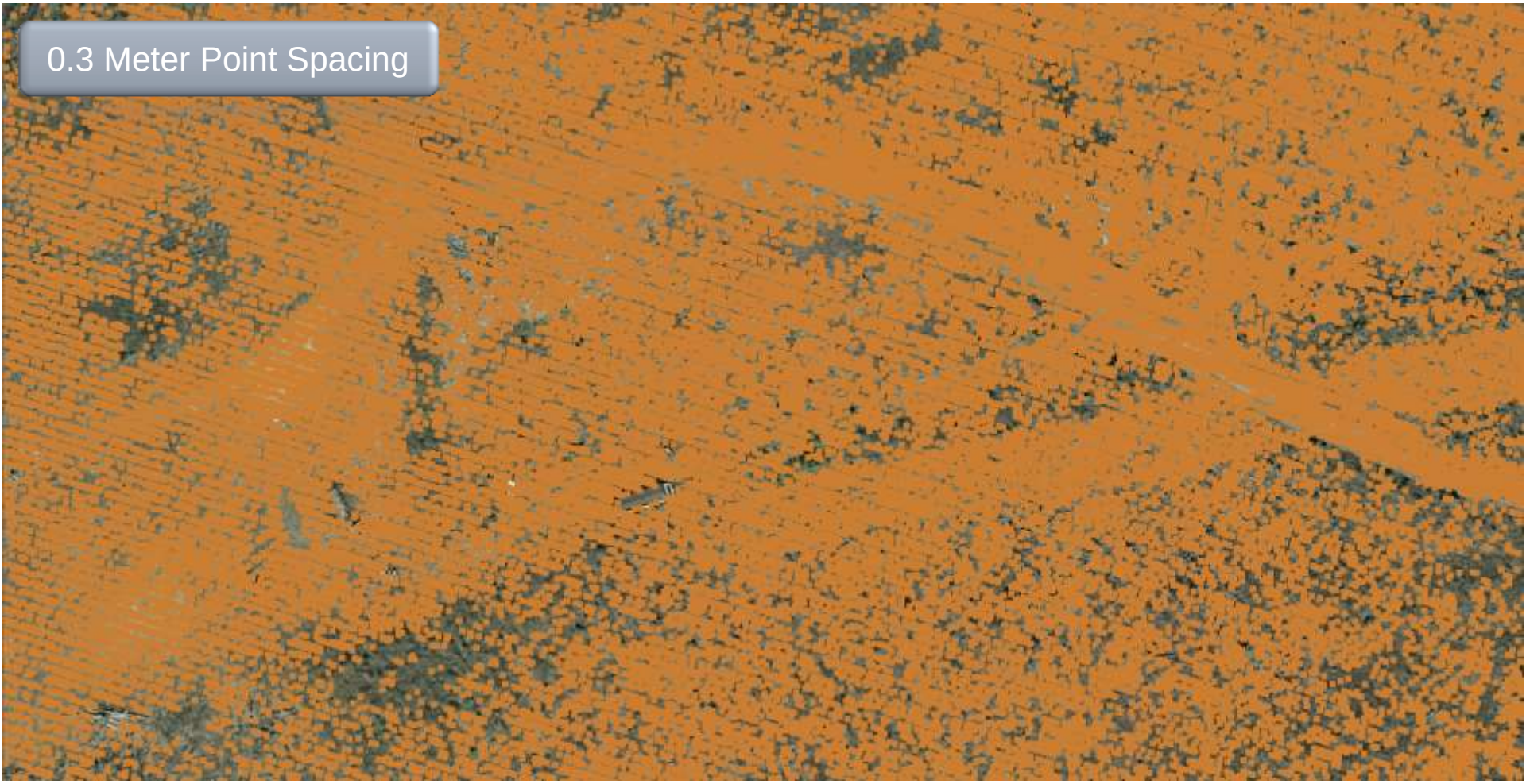


Original Plan

- The Plan put forward was a 5 phase 4 year plan
- Phase 1- USGS
- Phase 2- NC
  - Both occurred in 2014
- Phase 3 – NC (2015)
  - Wrapping up this phase
- Phase 4
  - Data collection in progress



3 Meter Elevation Model (2003 NC LiDAR)

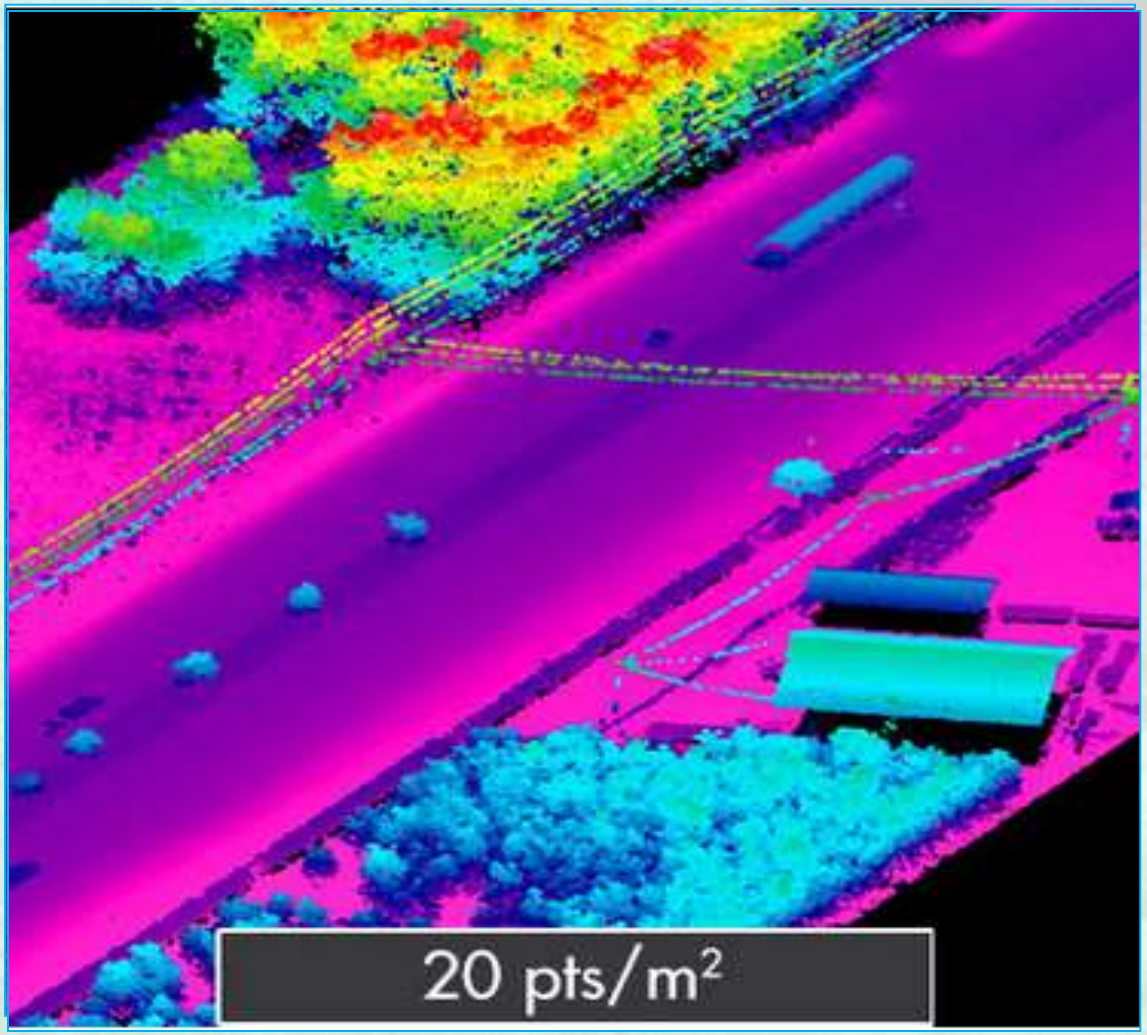


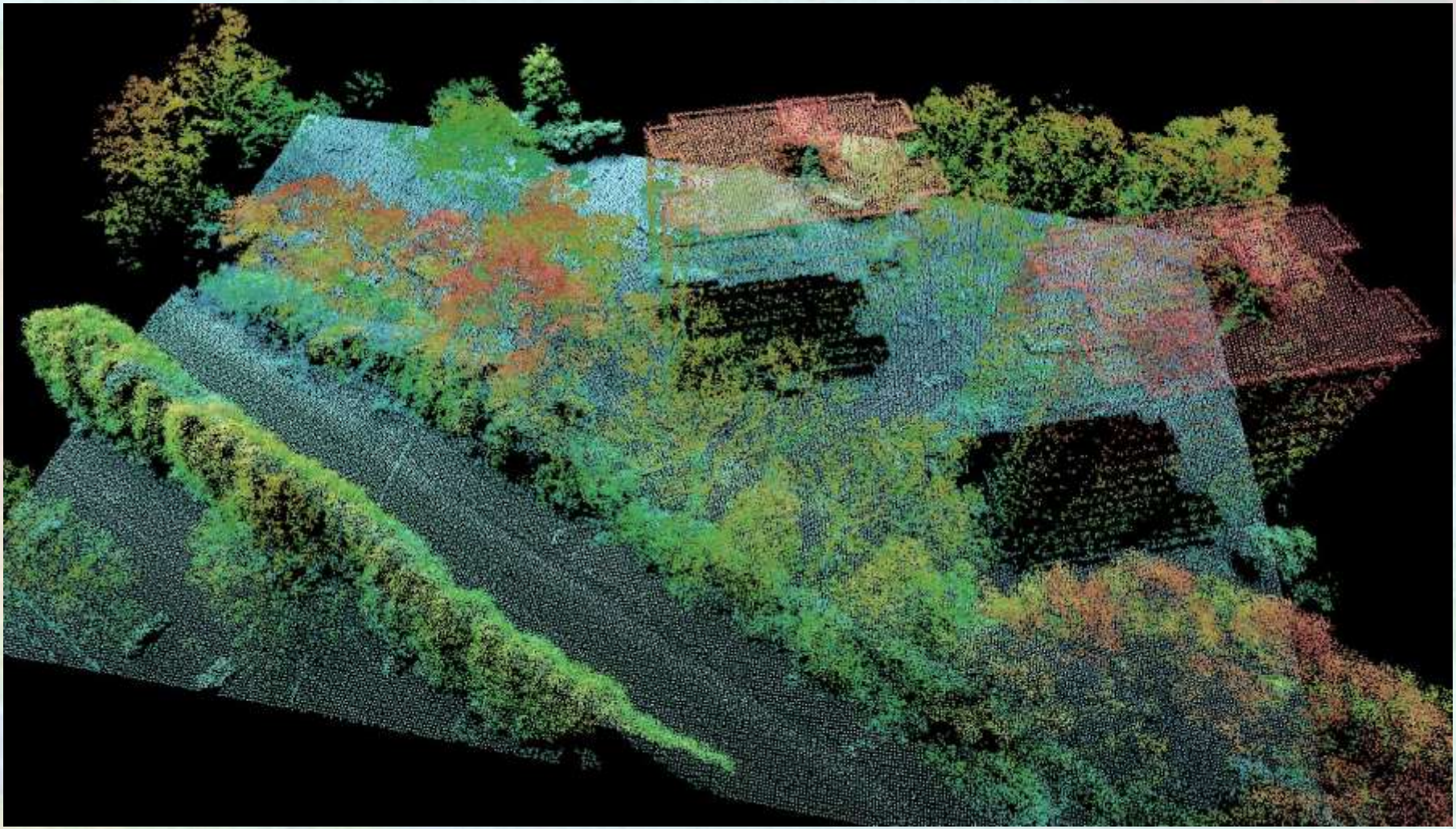
QL2 Elevation Model

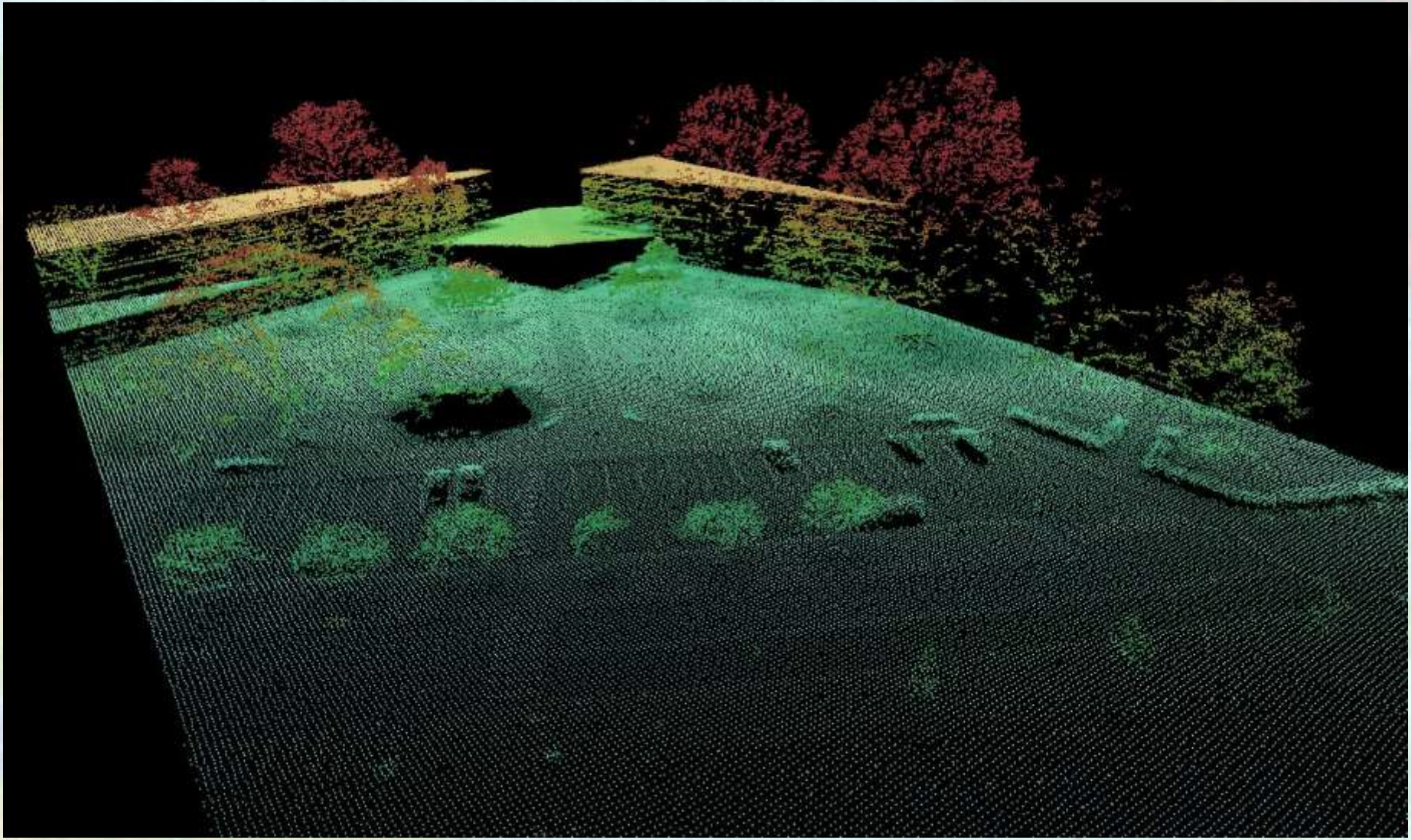
2016 Data Collection

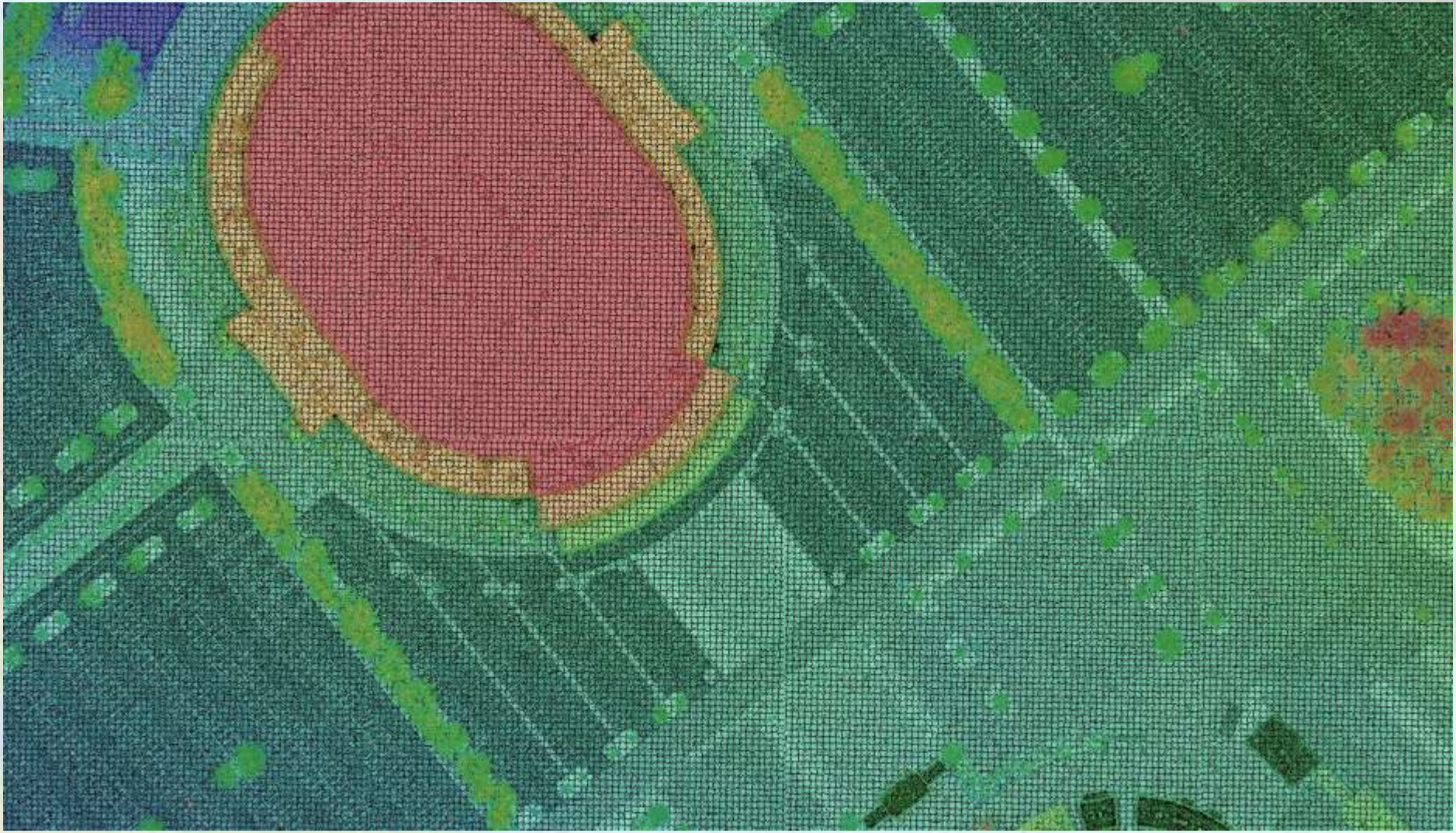
Geiger Mode Sensor

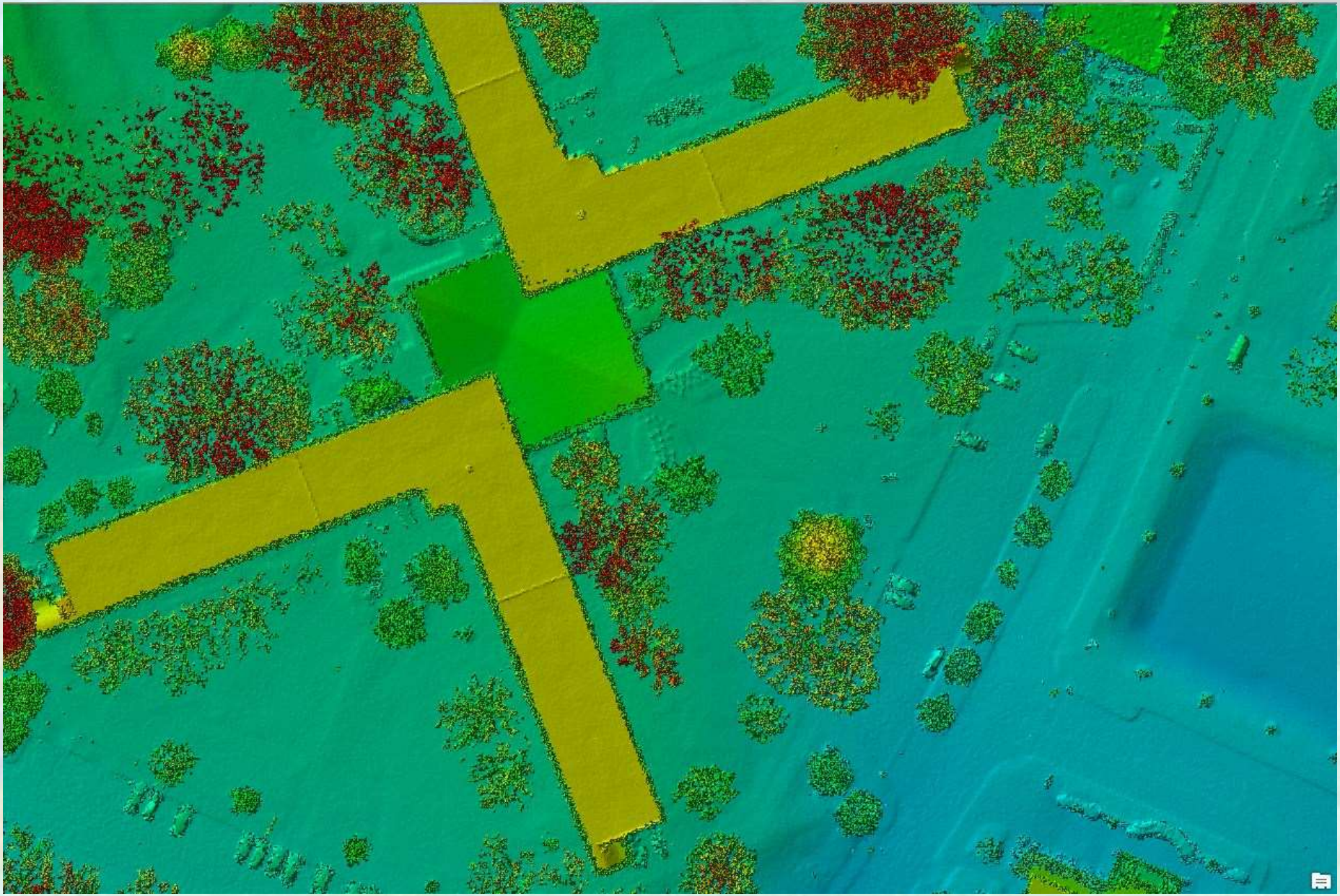
- Pilot test area in Mecklenburg County.
  - 20 points per square meter with nominal post spacing of 0.7 meters.
  - 8 ppm deliverable at same or reduced cost.
  - Data collected will support a 9.25 cm (3.36 inches) RMSEz.

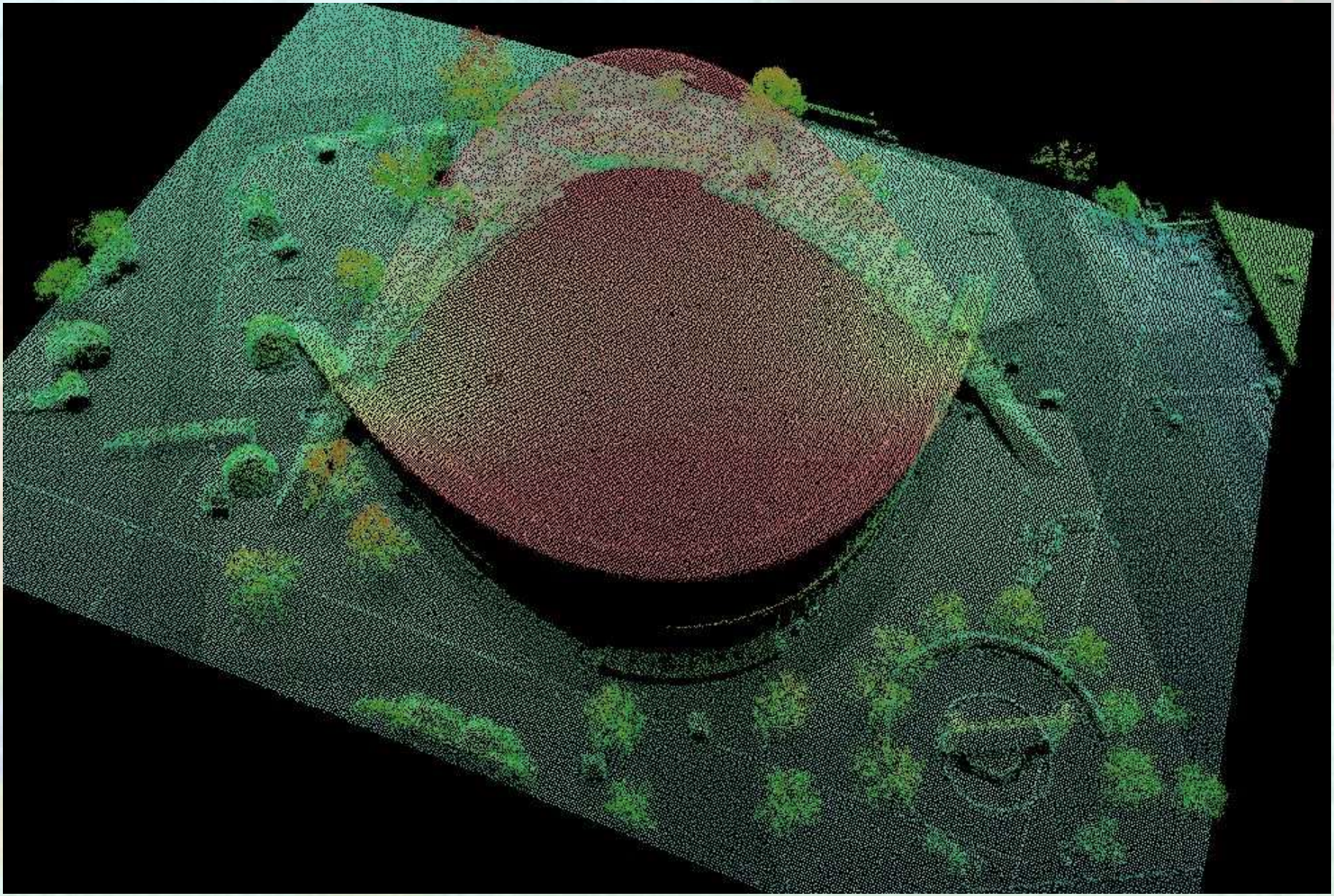


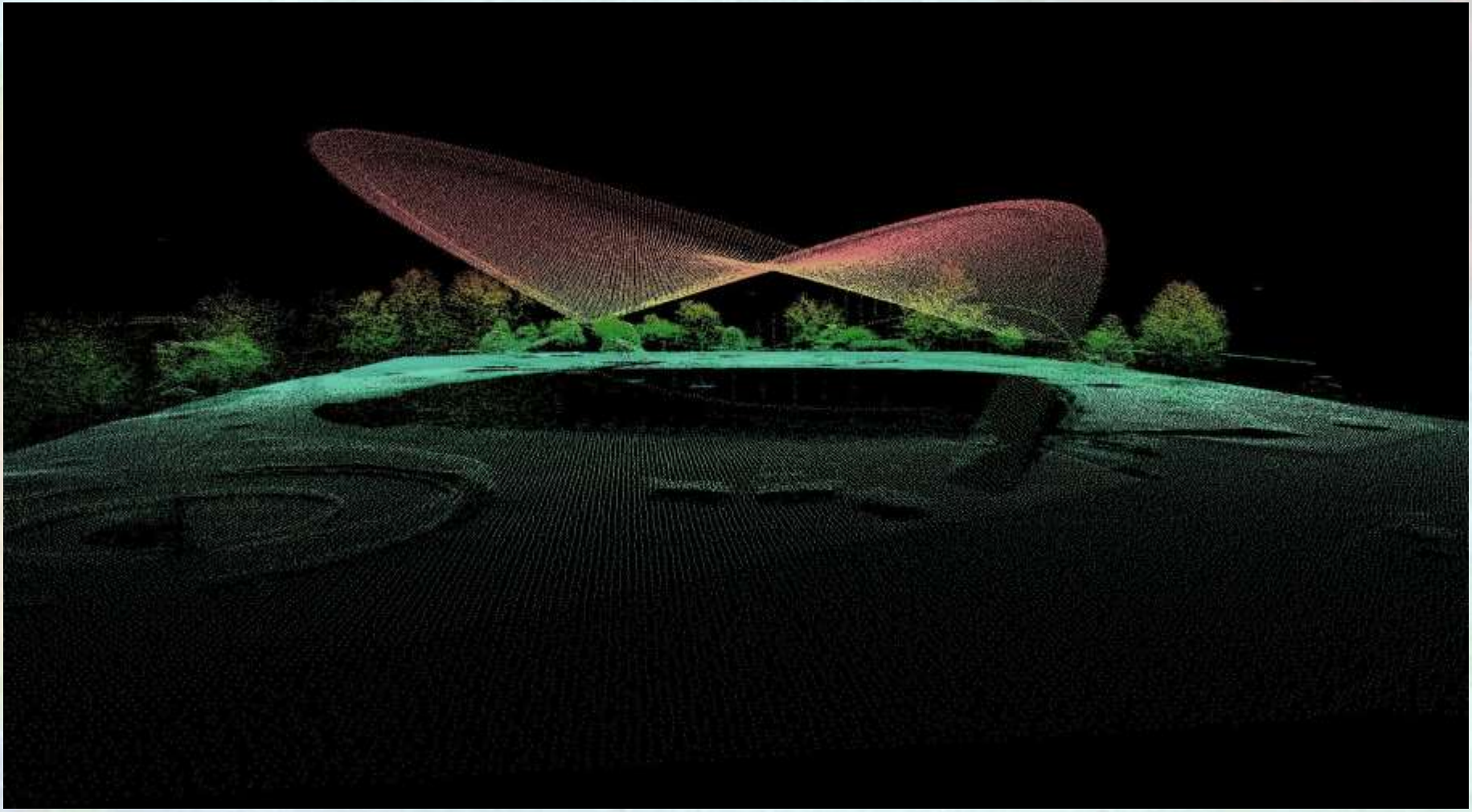


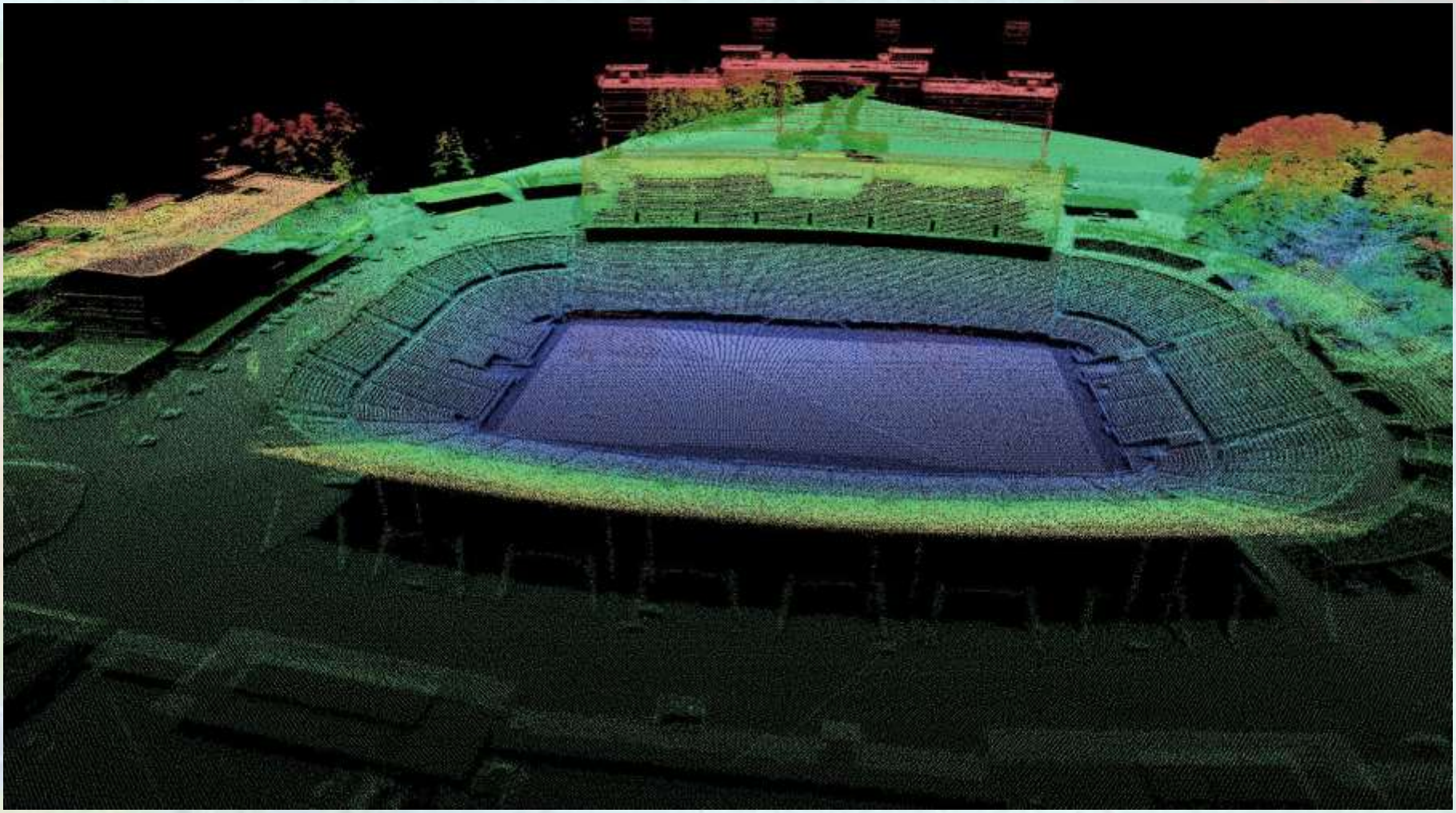


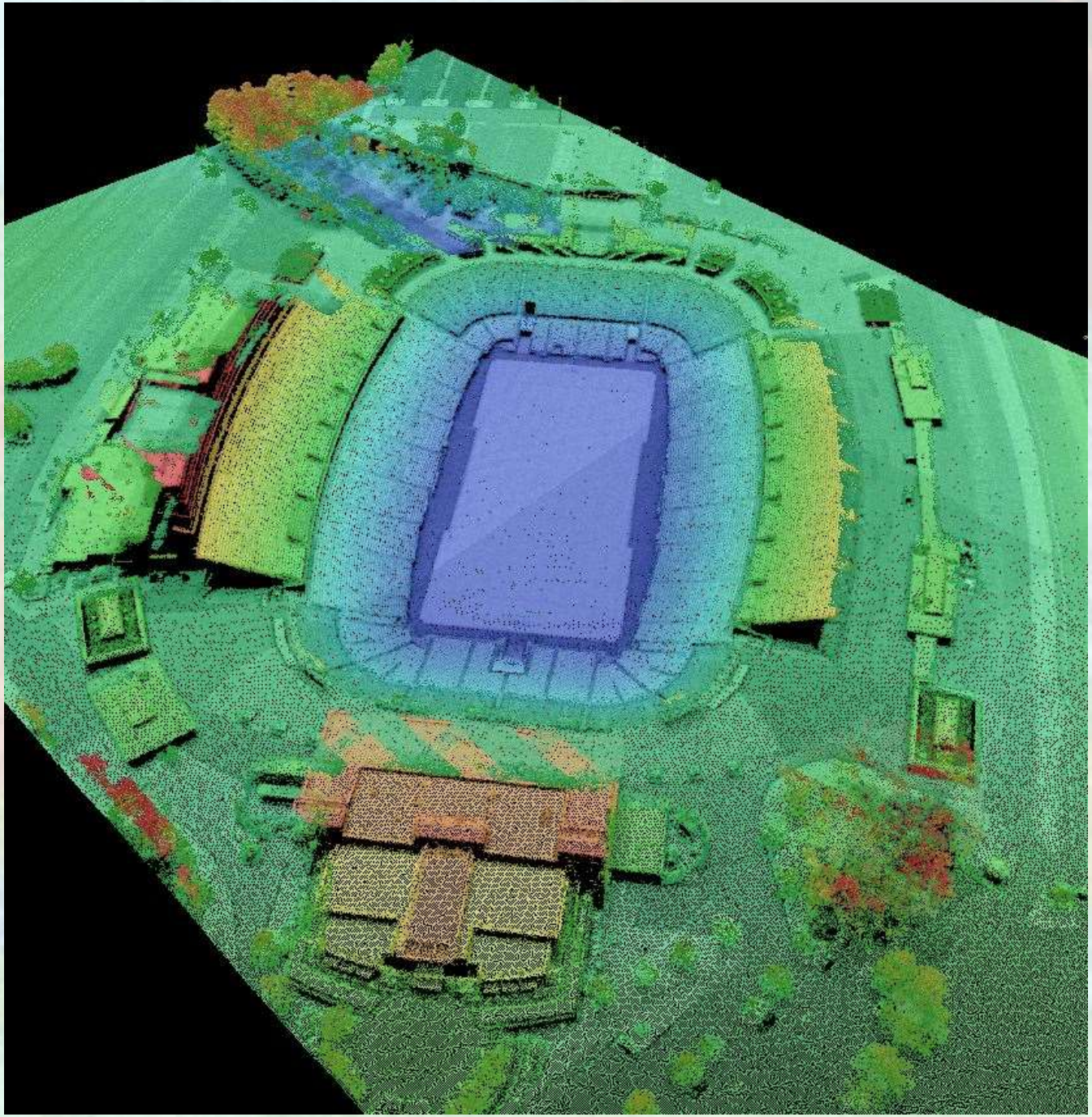












File Edit View History Bookmarks Tools Help

North Carolina Spatial Data Do... ×

rmp.nc.gov/sdd/

Search

Most Visited DocuSign Index of ftp://ftp1.nce... North Carolina Spatial ... Most Visited ASPRS_Positional_Acc... NCDENR - NC Geodeti... Latest Headlines

SPATIAL Data Download

Login with NCID

A North Carolina ID (NCID) is required.
Don't have a NCID? Sign up here.

NCID USER NAME:

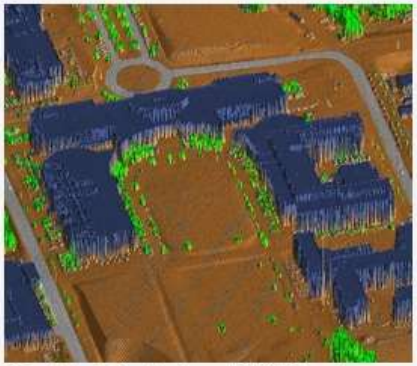
skaufman

PASSWORD:

••••••••

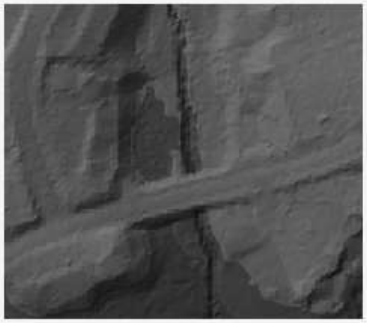
LOGIN

Login here for QL2 LiDAR



This data is Quality Level 2 (QL2) and was collected at a spacing of approximately 2 points per meter. All returns classified data is available.

Download legacy LiDAR at NC FRIS



All counties in North Carolina currently have legacy bare earth LiDAR from the initial statewide collection conducted from 2001-2005. This data was collected at a spacing of approximately 1 point per 3-4 meters.

beta This is a beta version of the Spatial Data Download site.

This is not the final version and you may encounter downtime, errors or bugs. If you do: **Email Your Feedback**

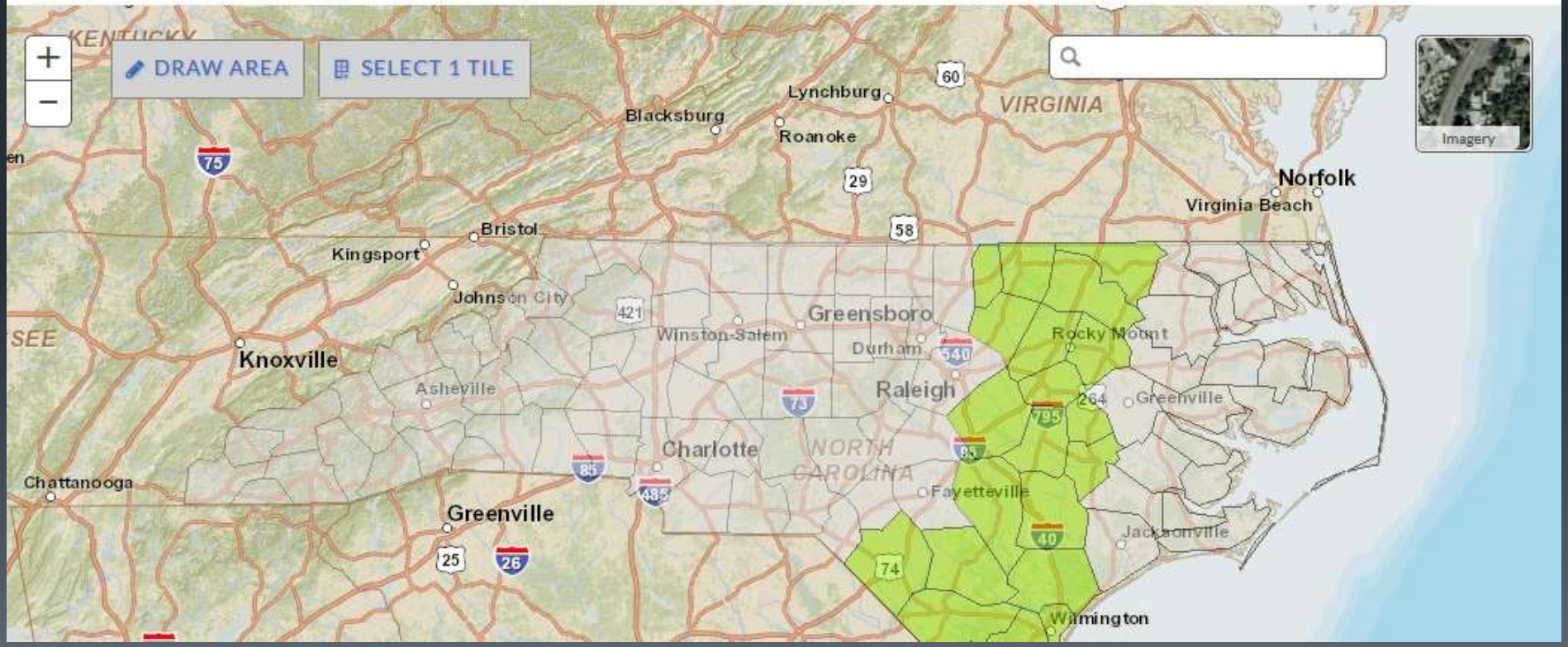
NCFMP will not be liable for any loss suffered by any party as a result of their use of the site. Any downloading of material is done at the users own risk and the user will be solely responsible for any loss that results from such activities.

QL2 LIDAR DATA DOWNLOAD

To request an entire city or county, go to the **Large Data Request** page. Download legacy LiDAR at **NC FRIS**

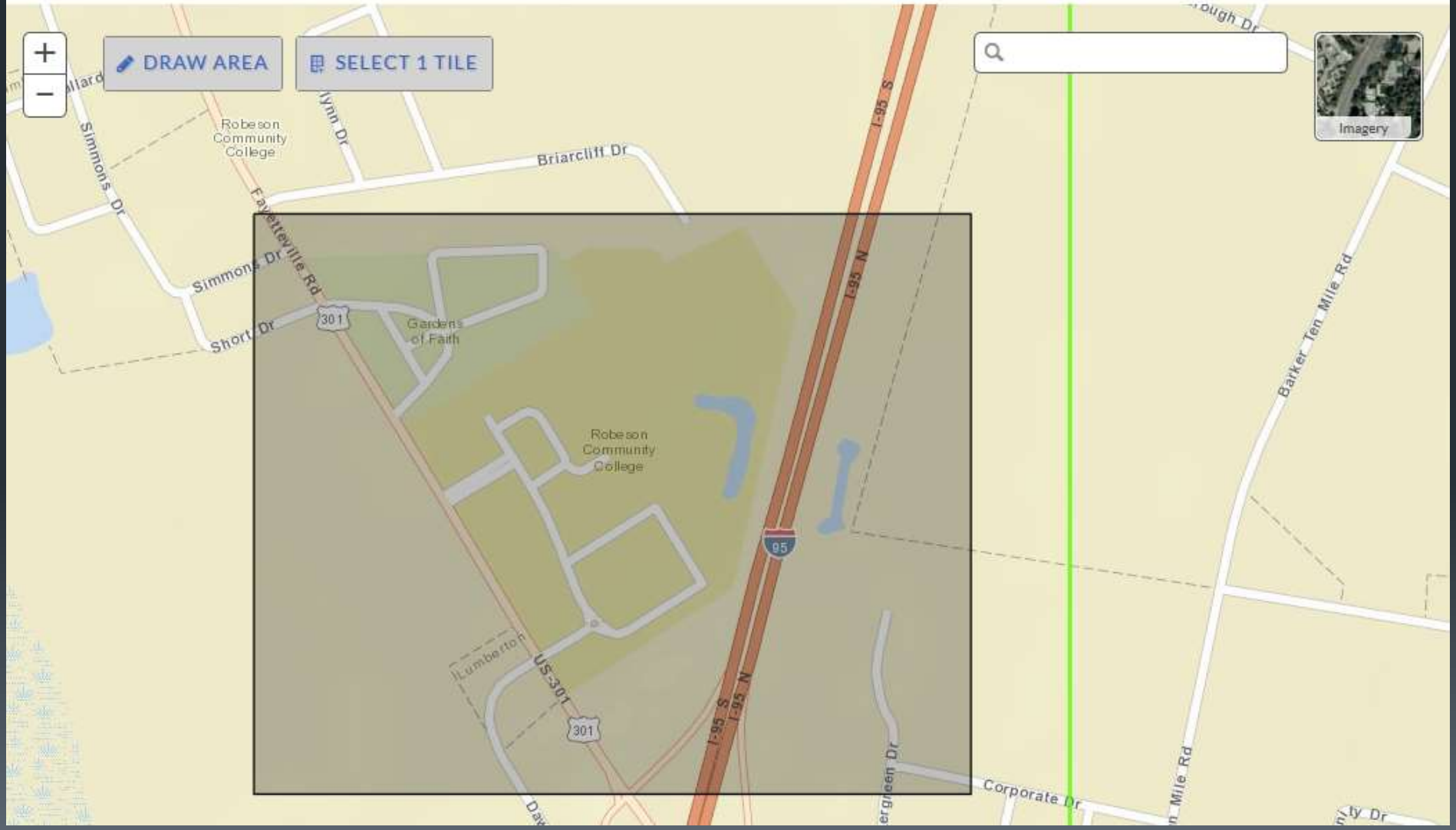
Select Area — Select File Output — Submit Request

QL2 LiDAR is available on the green areas on the map. To select an area crossing **multiple tiles**, click "Draw Area" and then draw a small box on the map. Areas must be less than 4 tiles.



QL2 LiDAR is available on the green areas on the map. To select an area crossing **multiple tiles**, click "Draw Area" and then draw a small box on the map. Areas must be less than 4 tiles.

Click Next to Continue NEXT



QL2 LIDAR DATA DOWNLOAD

To request an entire city or county, go to the **Large Data Request** page. Download legacy LiDAR at **NC FRIS**

Select Area — **Select File Output** — Submit Request

Select the classes of LiDAR you wish to include in your output .LAS file.

ALL CLASSES

This dataset contains all classes including ground, roads, vegetation and water

BARE EARTH

This dataset represents the earth's surface with all vegetation and human-made structures removed. The output .LAS file will contain classes 2 (Ground) and 13 (Roads).

INDIVIDUAL CLASSES

- Ground
- Strata/Vegetation
- Buildings
- Roads
- Bridges

PREVIOUS

SUBMIT REQUEST

This is a beta version of the Spatial Data Download site

QL2 LIDAR DATA DOWNLOAD

To request an entire city or county, go to the **Large Data Request** page. Download legacy LiDAR at **NC FRIS**

Select Area — Select File Output — **Submit Request**

Your request has been submitted!

Jobs are processed in the order they are received and may require up to 24 hours for processing. You will receive an email from **rmpclipandship@ncdps.gov** when your files are ready for download. Please make sure to add **rmpclipandship@ncdps.gov** to your safe sender list.

SUBMIT ANOTHER REQUEST | VIEW REQUEST HISTORY

beta This is a beta version of the Spatial Data Download site.

This is not the final version and you may encounter downtime, errors or bugs. If you do: **Email Your Feedback**

NCFMP will not be liable for any loss suffered by any party as a result of their use of the site. Any downloading of material is done at the users own risk and the user will be solely responsible for any loss that results from such activities.

SPATIAL Data Download

NC Floodplain Mapping Program
4105 Reedy Creek Drive
Raleigh, NC 27607

Phone: (919) 715-5711

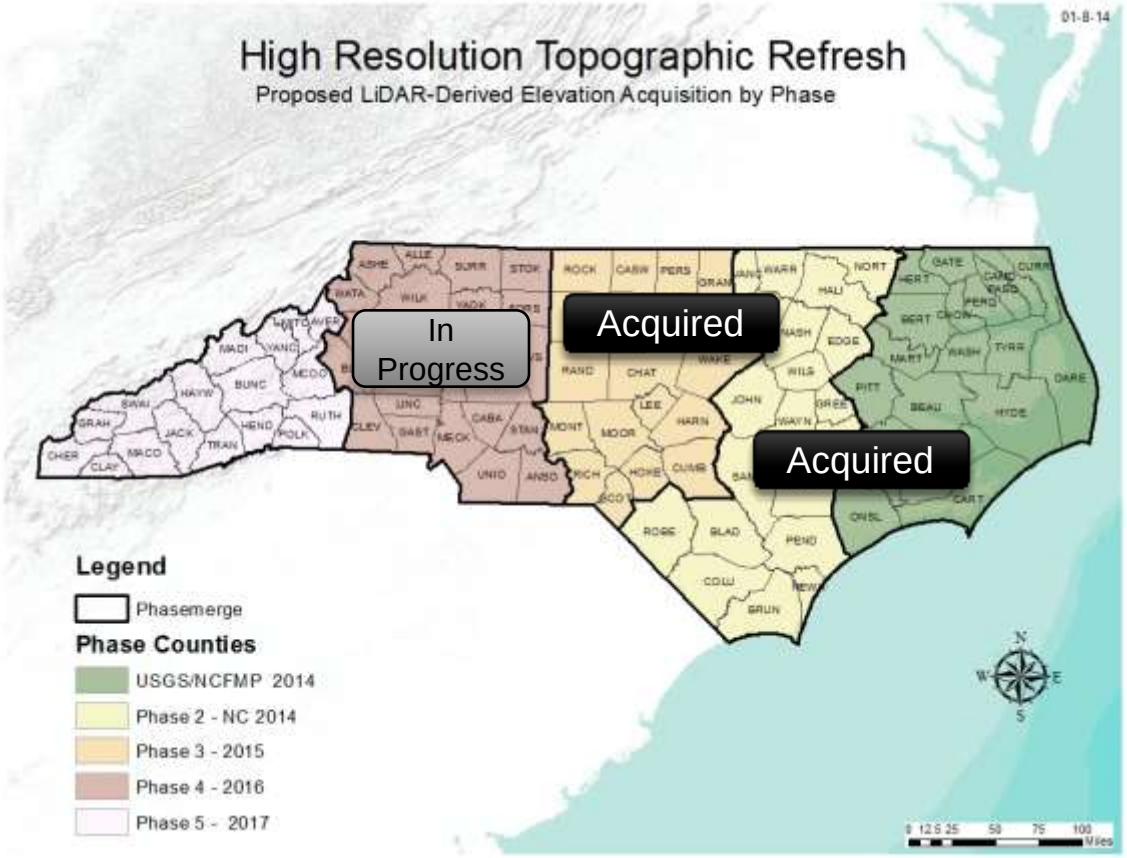
Mailing Address
4218 Mail Service Center
Raleigh, NC 27699-4218

REQUEST SUMMARY

Click the column names to **sort** your requests.
Pending requests may take up to 24 hours to process. You will receive an email when your data is ready for download.
Click the Download button to access your completed data request files.

Status	ID	Date	Type	
Pending	61	3/11/2015 9:30:40 AM	Rectangle	
Complete	32	3/2/2015 1:54:51 PM	Rectangle	DOWNLOAD

STATEWIDE PHASES

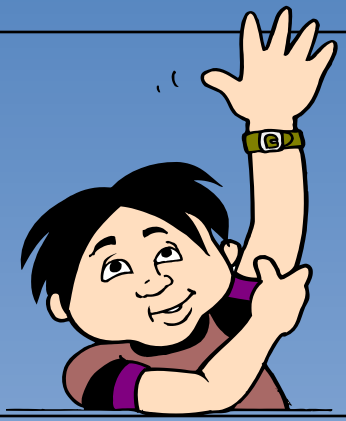


Original Plan

- The Plan put forward was a 5 phase 4 year plan
- Phase 1- USGS
- Phase 2- NC
  - Both occurred in 2014
- Phase 3 – NC (2015)
  - Wrapping up this phase
- Phase 4
  - Data collection in progress

Questions?

Gary W. Thompson, PLS
Office: 919-733-3836
Direct: 919-948-7844
Email: gary.thompson@ncdps.gov



Mailing address:	**Building (shipping) address:**
Gary W. Thompson, PLS NC Geodetic Survey 4298 Mail Service Center Raleigh, NC 27699-4298	Gary W. Thompson, PLS NC Geodetic Survey Bowers Building NC National Guard complex 4105 Reedy Creek Rd Raleigh, NC 27607

EMERGENCY MANAGEMENT
N C
NORTH CAROLINA