

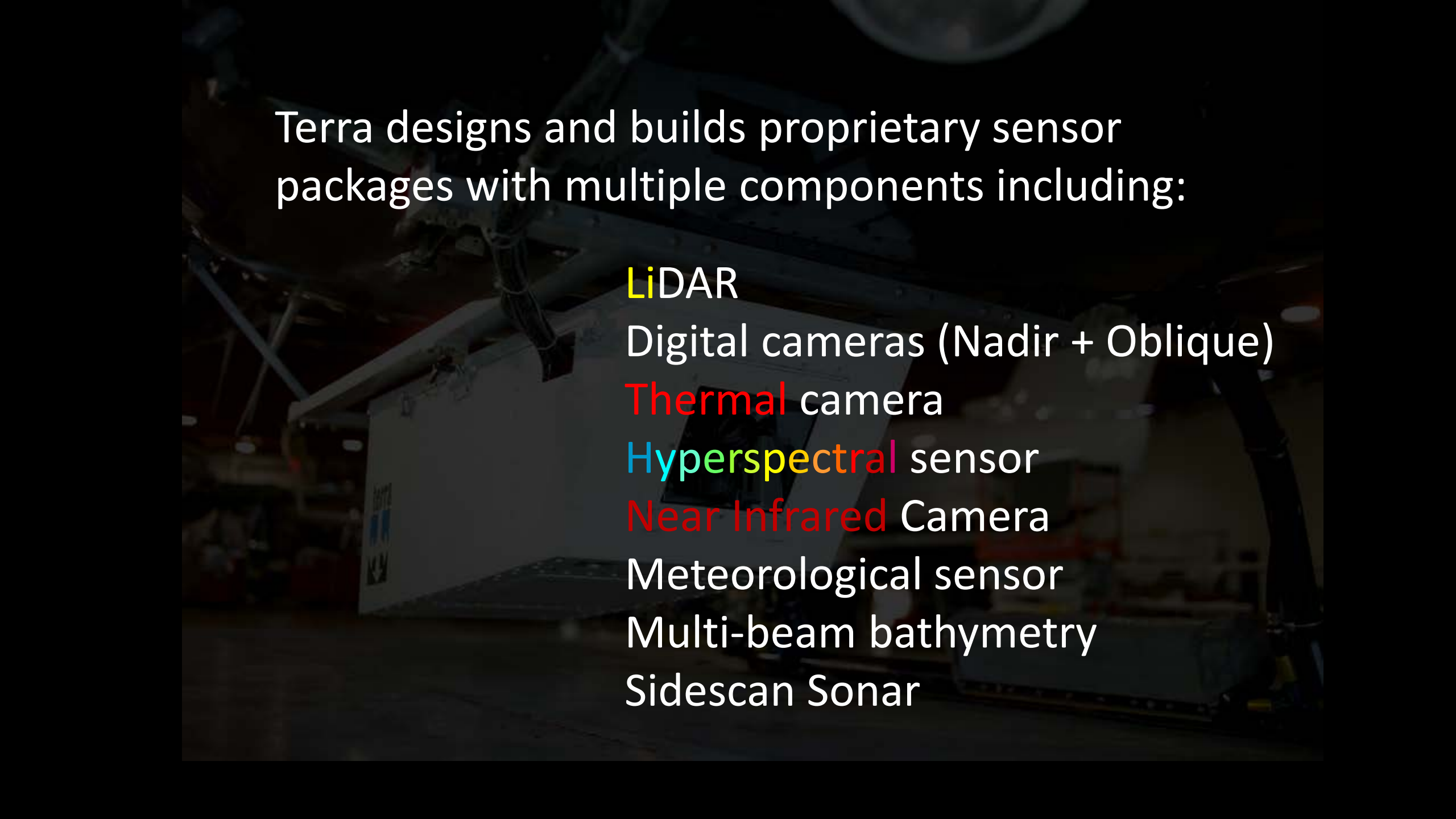
terra
remote sensing



International Survey and Mapping Services

terra remote sensing

- Terra is a Canadian remote sensing company with offices in Canada, USA, Chile and Colombia
- Worked on every continent
- In over 20 countries
- LiDAR Experience since **1985**
- Conducts projects in **terrestrial** and **marine** environments.

A robotic arm is shown holding a white, rectangular sensor package. The package has a small screen or display on its front. The background is dark and industrial, suggesting a laboratory or manufacturing environment. The text is overlaid on the image.

Terra designs and builds proprietary sensor packages with multiple components including:

LiDAR

Digital cameras (Nadir + Oblique)

Thermal camera

Hyperspectral sensor

Near Infrared Camera

Meteorological sensor

Multi-beam bathymetry

Sidescan Sonar



Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat / Copernicus
Image IBCAO

Google Earth

Imagery Date: 12/13/2015 13°14'04.37" N 89°24'22.40" W eye alt 14163.26 km

TerraPortal

Profile

fb3215

Log Out

Layers

Acquired Lidar Trackplots

Acquired Lidar Extents

Planned Control

Planned Flightlines

Project Boundary

Base - Places

Base - Imagery

000-3215 Project Status

Kamloops, BC

▼ Phase 1 - Thompson Watershed

active

Task A - Thompson North

Task B - Thompson Mid

Task C - Thompson South

Task D - Kamloops

Task E - Adams Lake

Task F - Shuswap

Task G - Bridge Creek

Activity	Progress	Region Description	Status	Target Date
Acquisition			Complete	2019-10-31
GIS Processing			Complete	
Control			Complete	2019-10-31
Calibration			Complete	

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11/15/2019

Aerial Report Summary

Aerial Report Summary

Search Terms

Dates: / Mobs: / Projects: 000-3215

87 Reports found from

Day 259 - Day 312

September-16-19 - November-08-19

Job Days

Acquisition

67 days

Standby

19 days

Transit

1 day

Span

54 days

Flight Times

Flight Hours

300.7 hrs

Number of Sessions

109 sessions

Avg. Session Length

2.68 hrs

...

Transit Time

8.3 hrs

Project Time (2 Projects)

292.4 hrs

Flight Profile

Flying Heights

Min: **800** m AGL / Max: **900** m AGL

Laser PRF

Min: **100** khz / Max: **400** khz







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fb3215

Log Out

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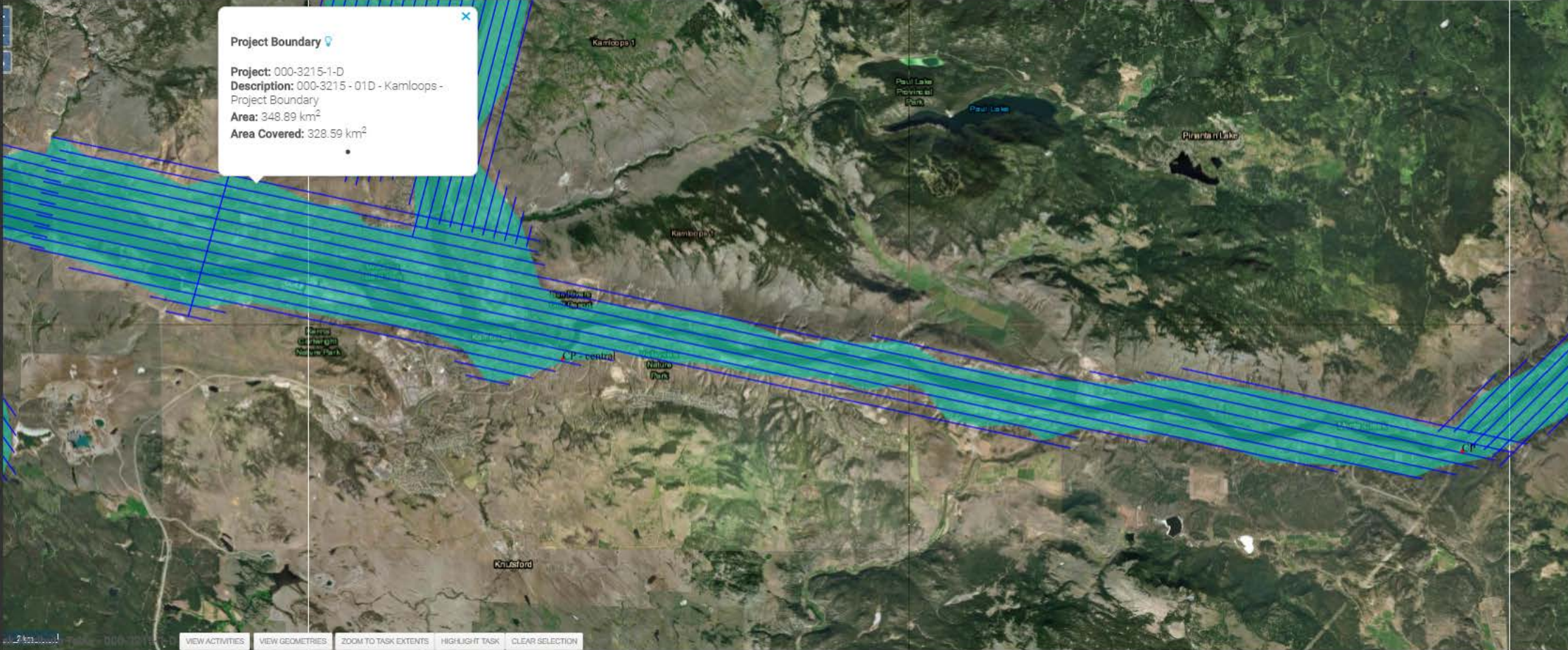
Task C - Thompson South

Task D - Kamloops

Task E - Adams Lake

Task F - Shuswap

Task G - Bridge Creek



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Profile

fb3215

[Log Out](#)

Layers

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Kamloops, BC

▼ Phase 1 - Thompson Watershed

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Task A - Thompson North

Task B - Thompson Mid

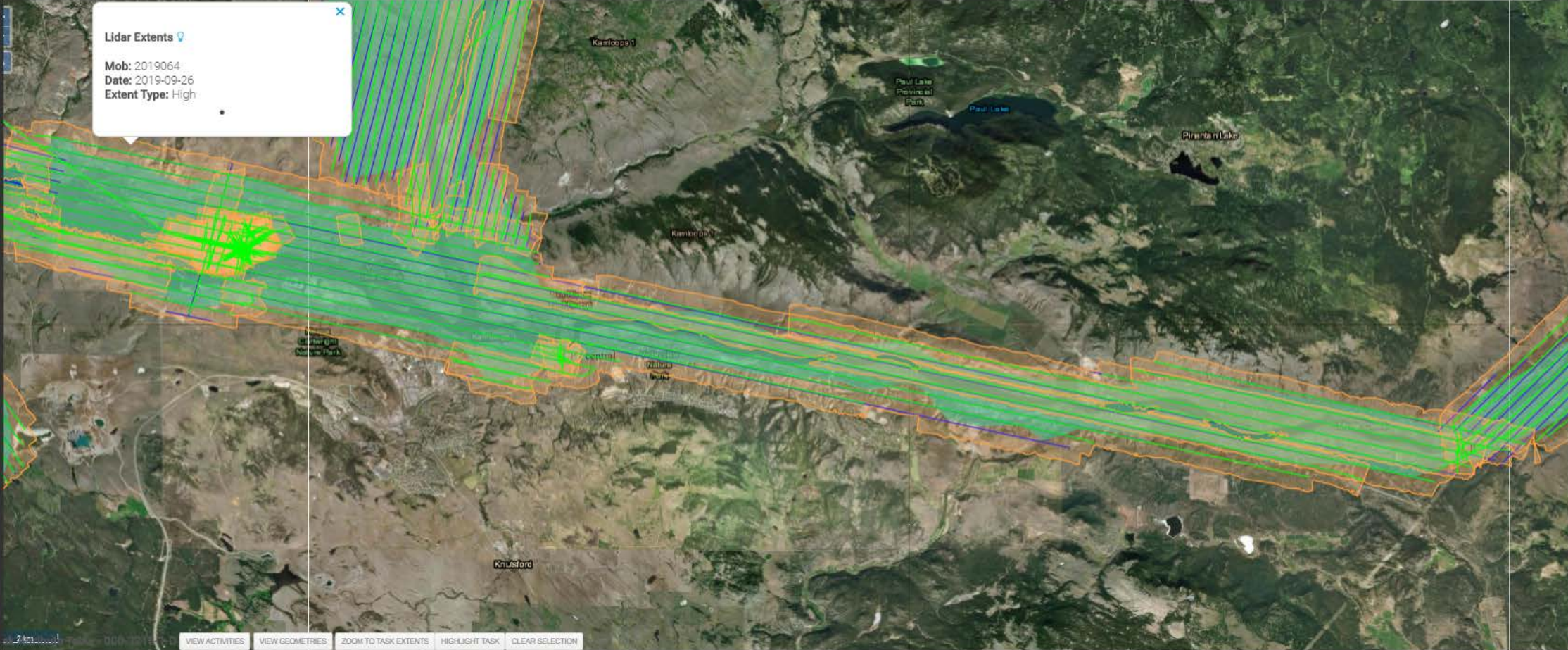
Task C - Thompson South

Task D - Kamloops

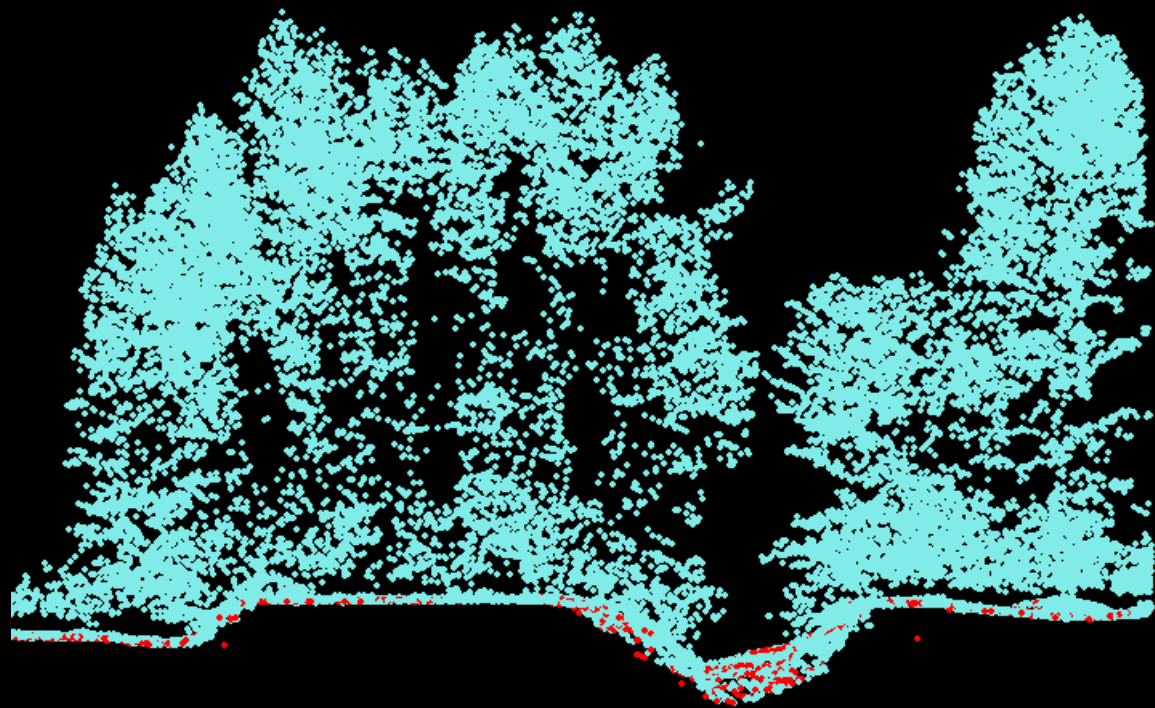
Task E - Adams Lake

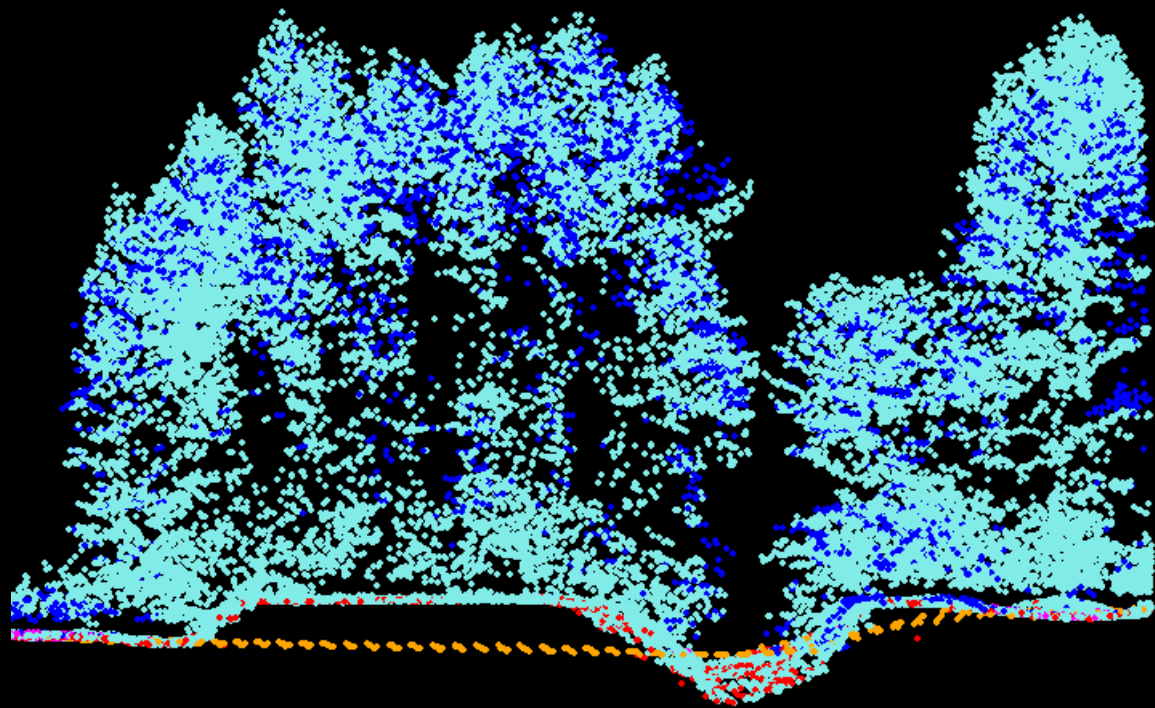
Task F - Shuswap

Task G - Bridge Creek



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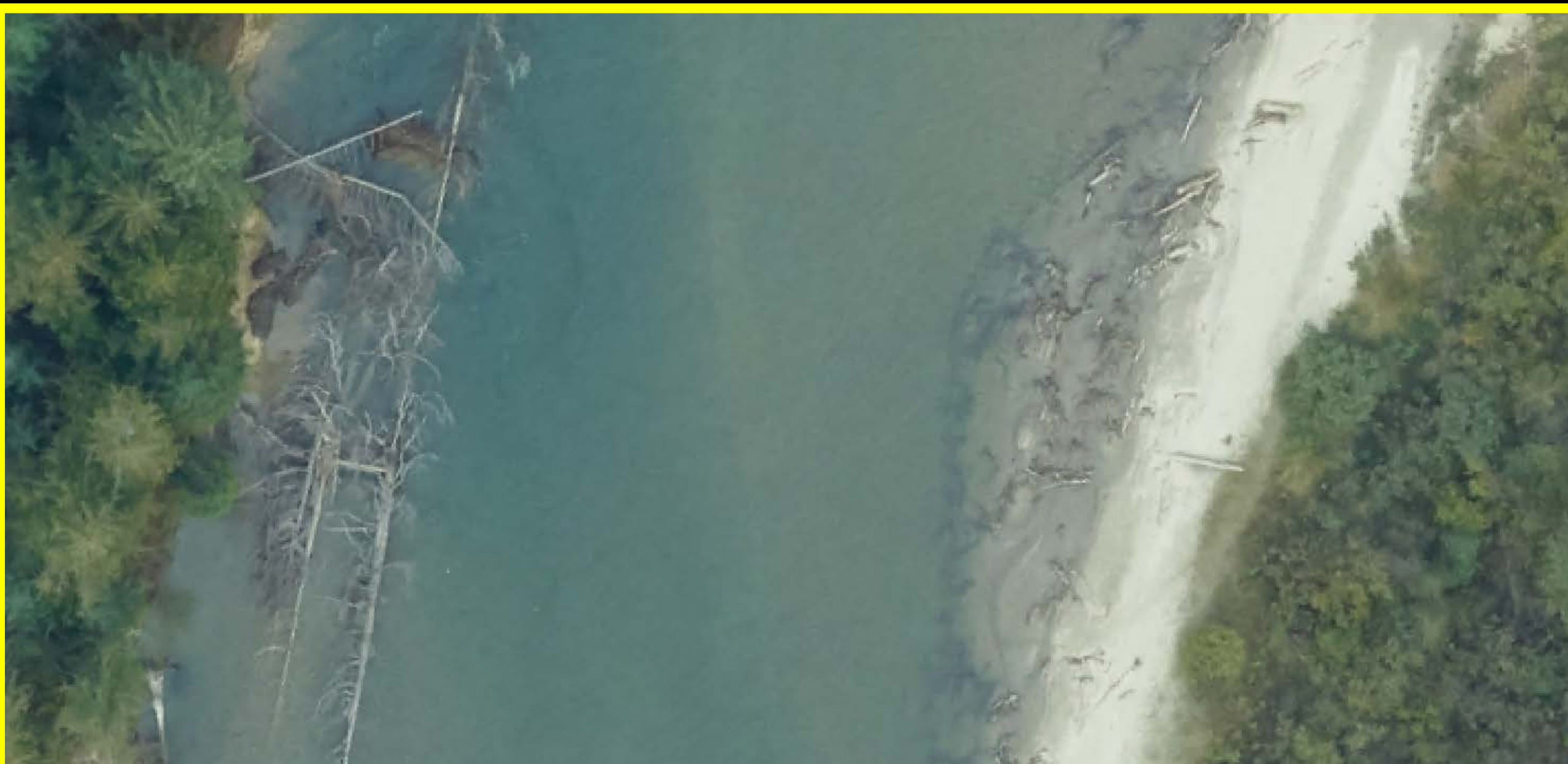


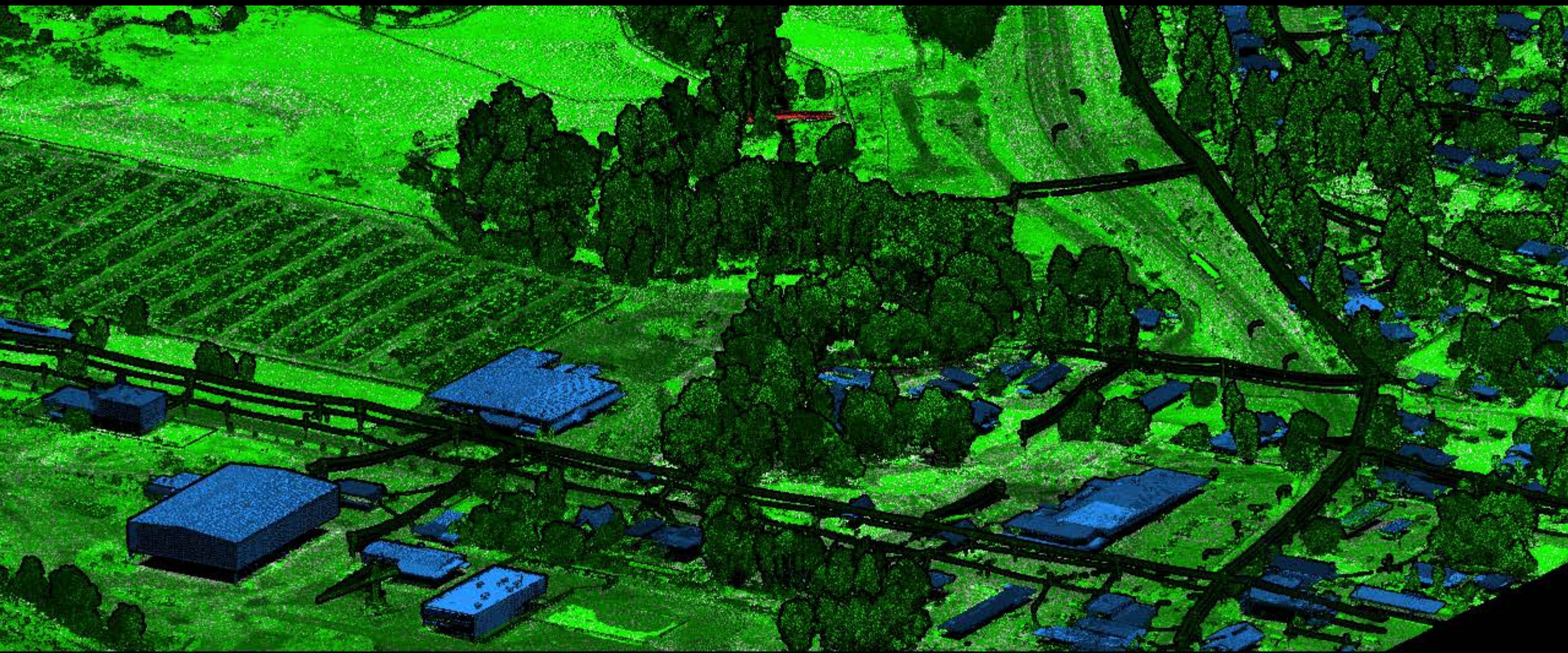


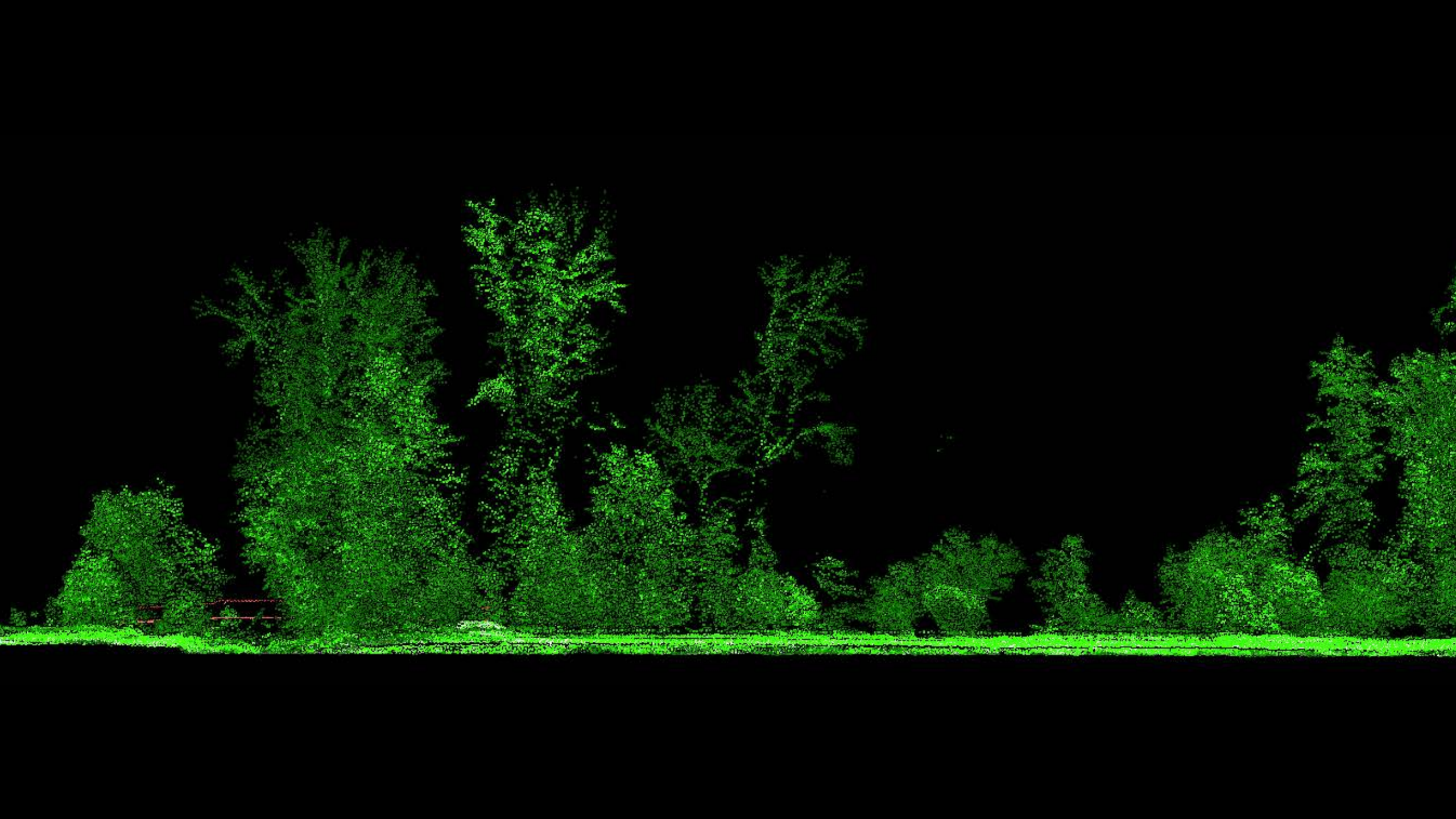
25TB of data

5GB/km² (and counting)

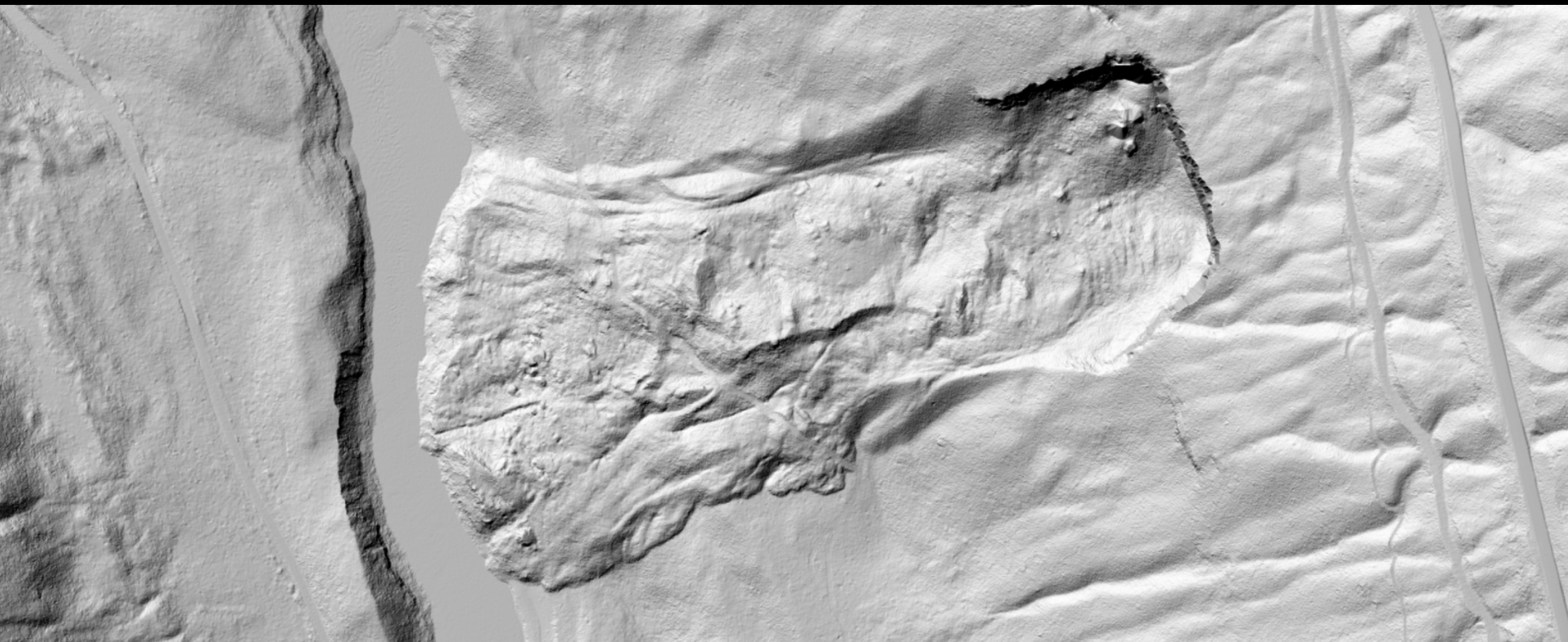


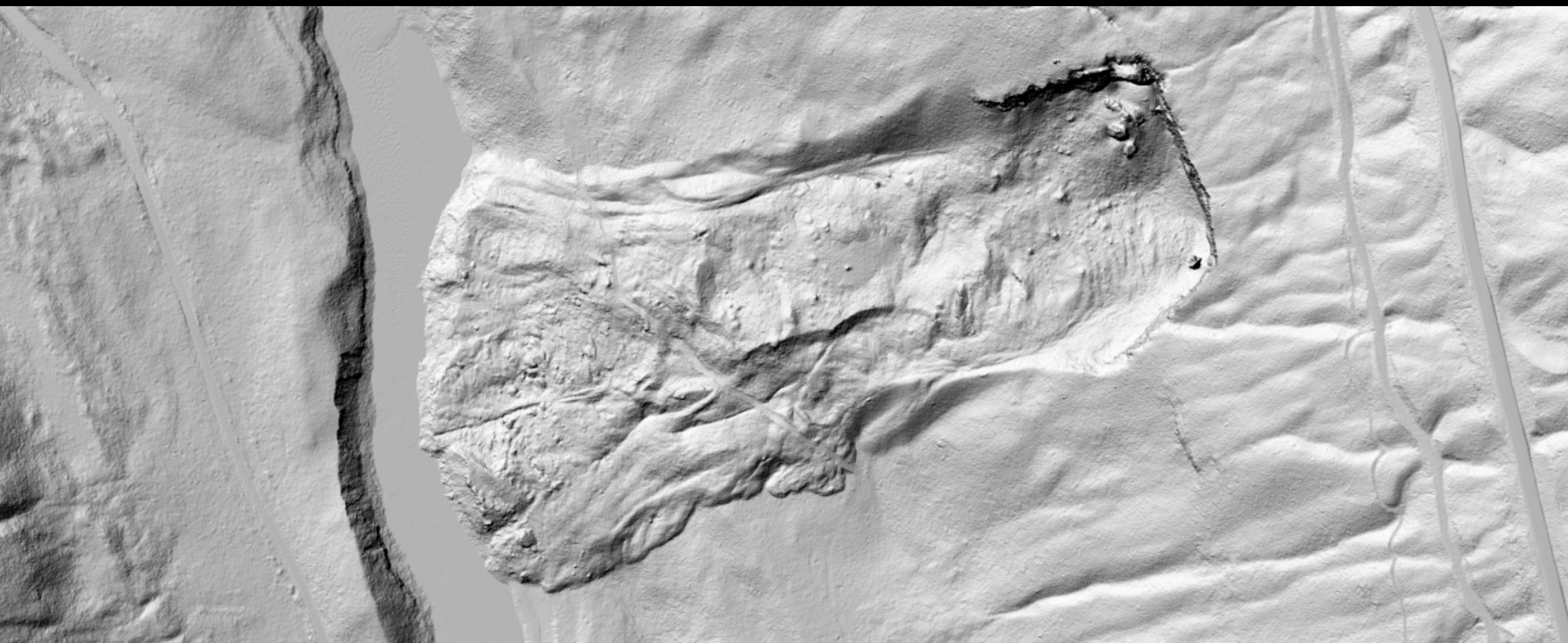






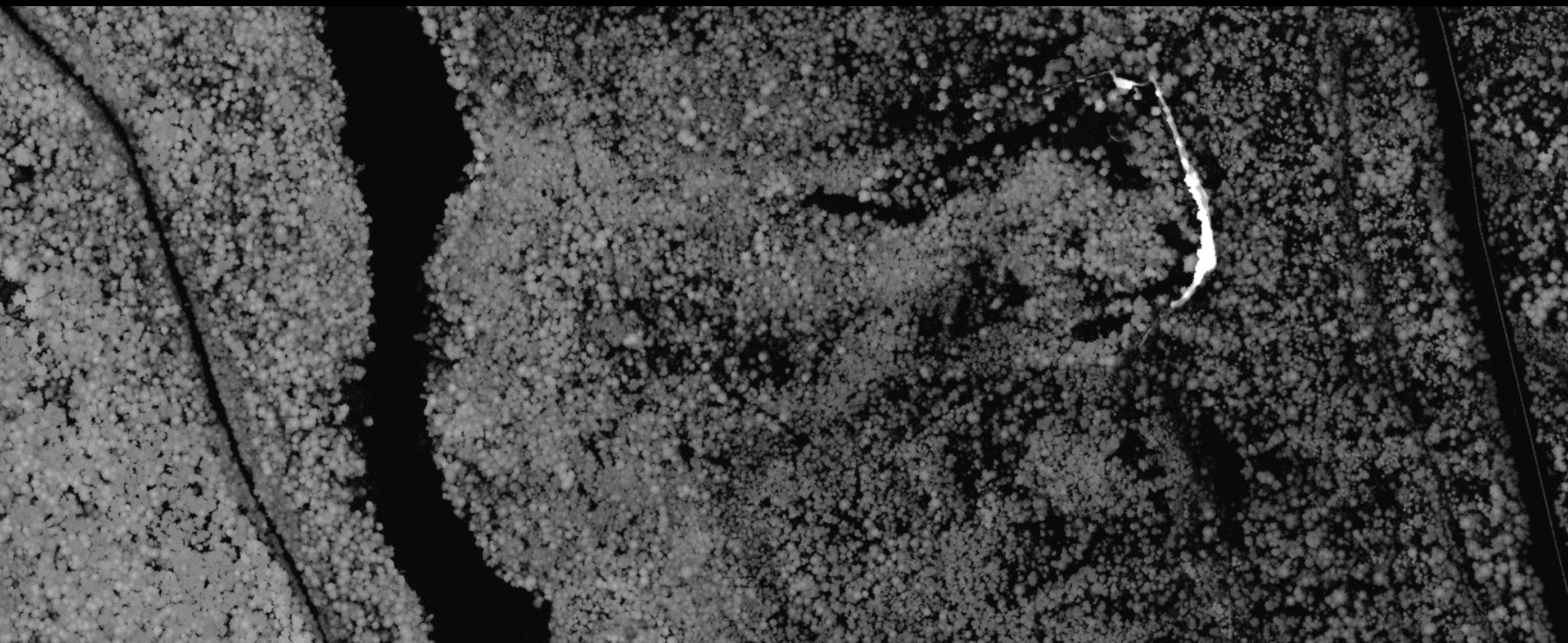




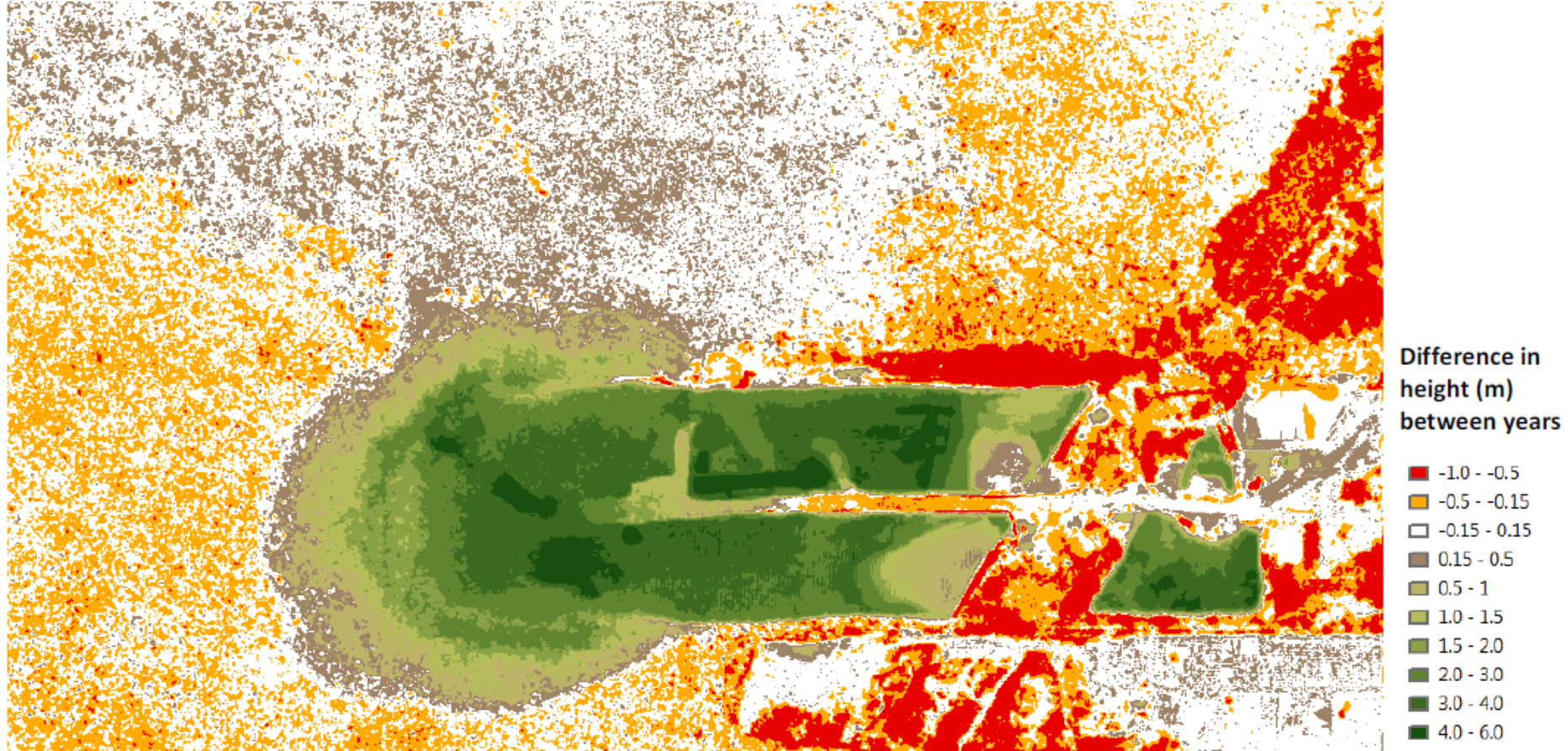






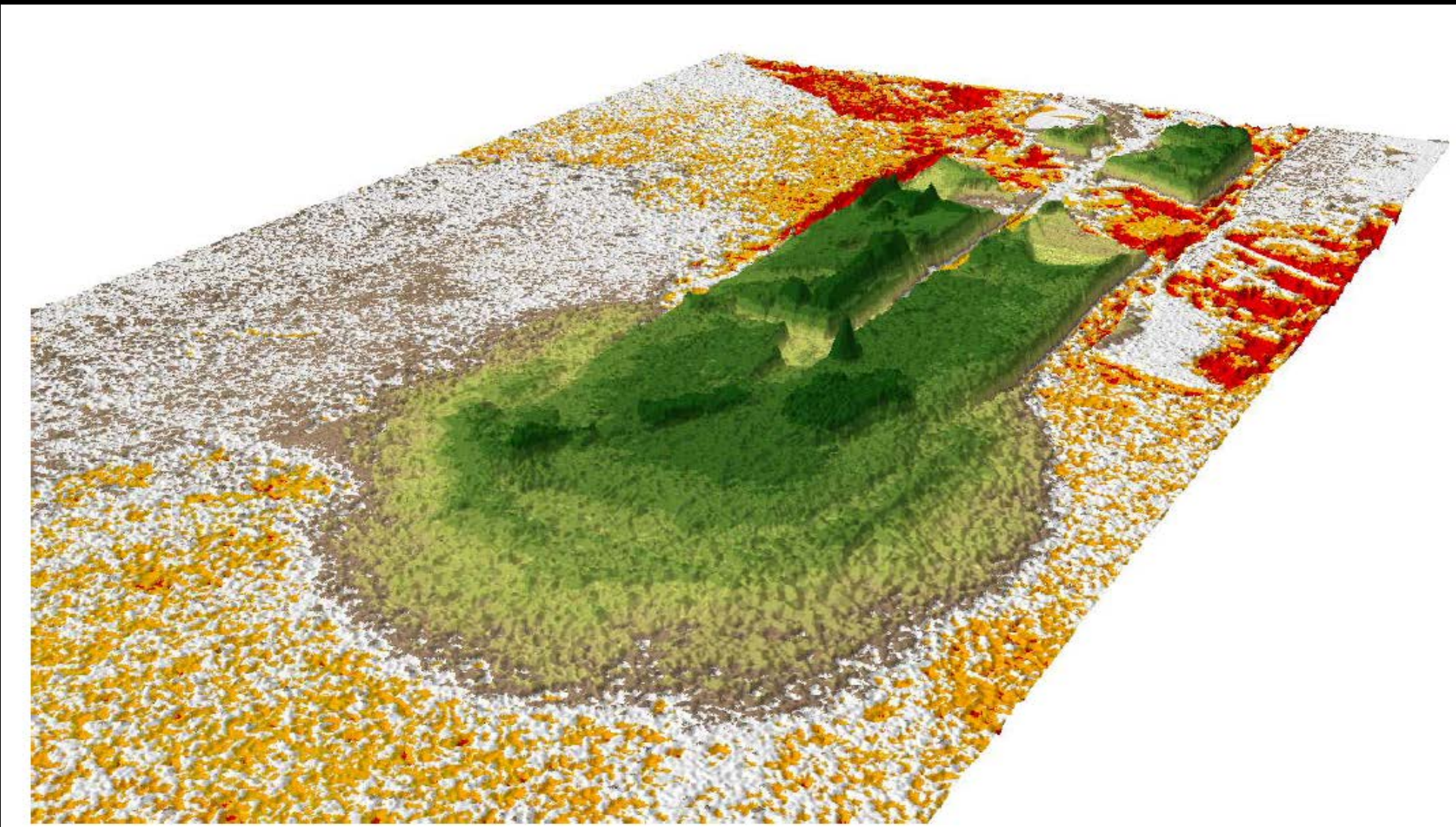


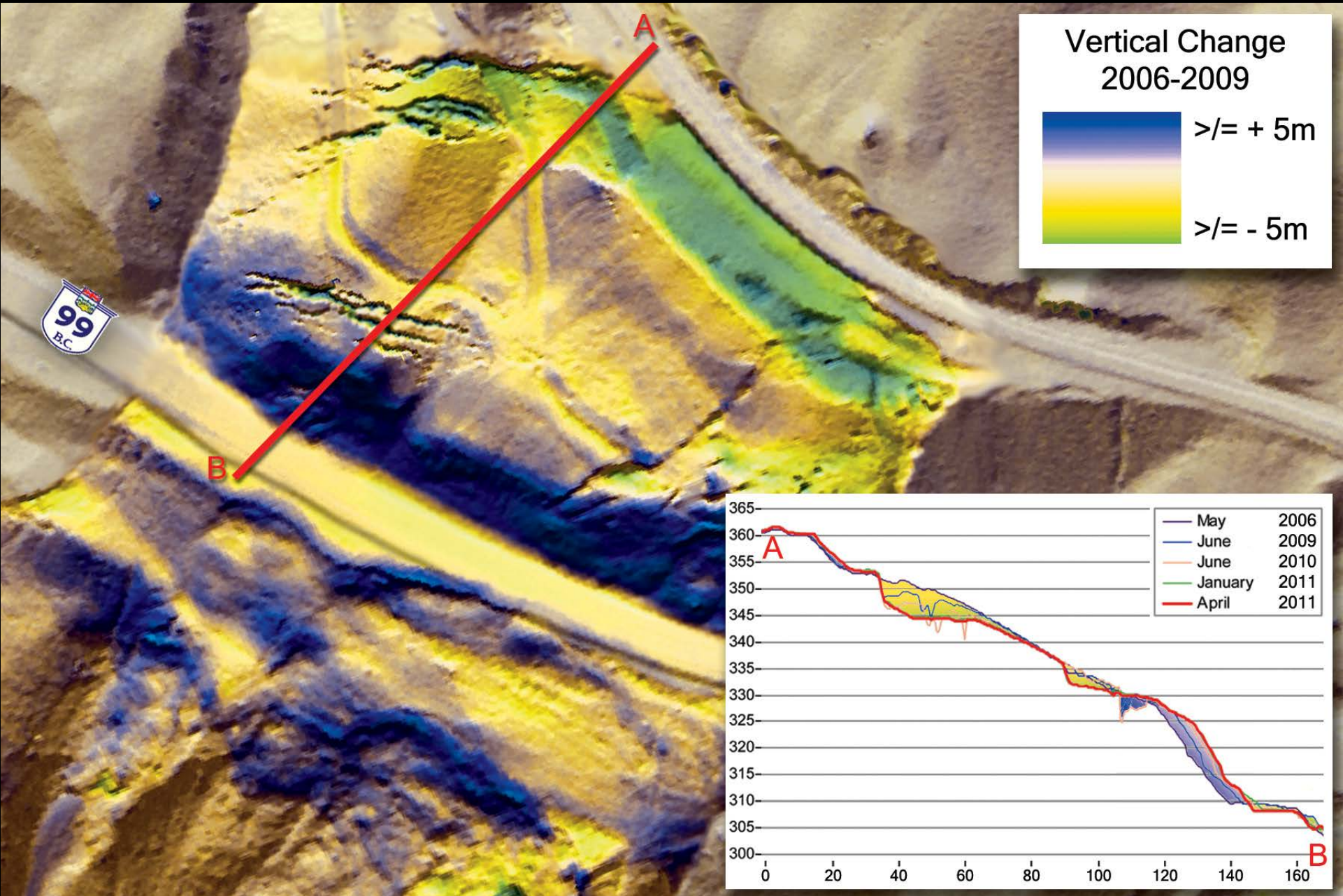
Change in volume between 2008 & 2013

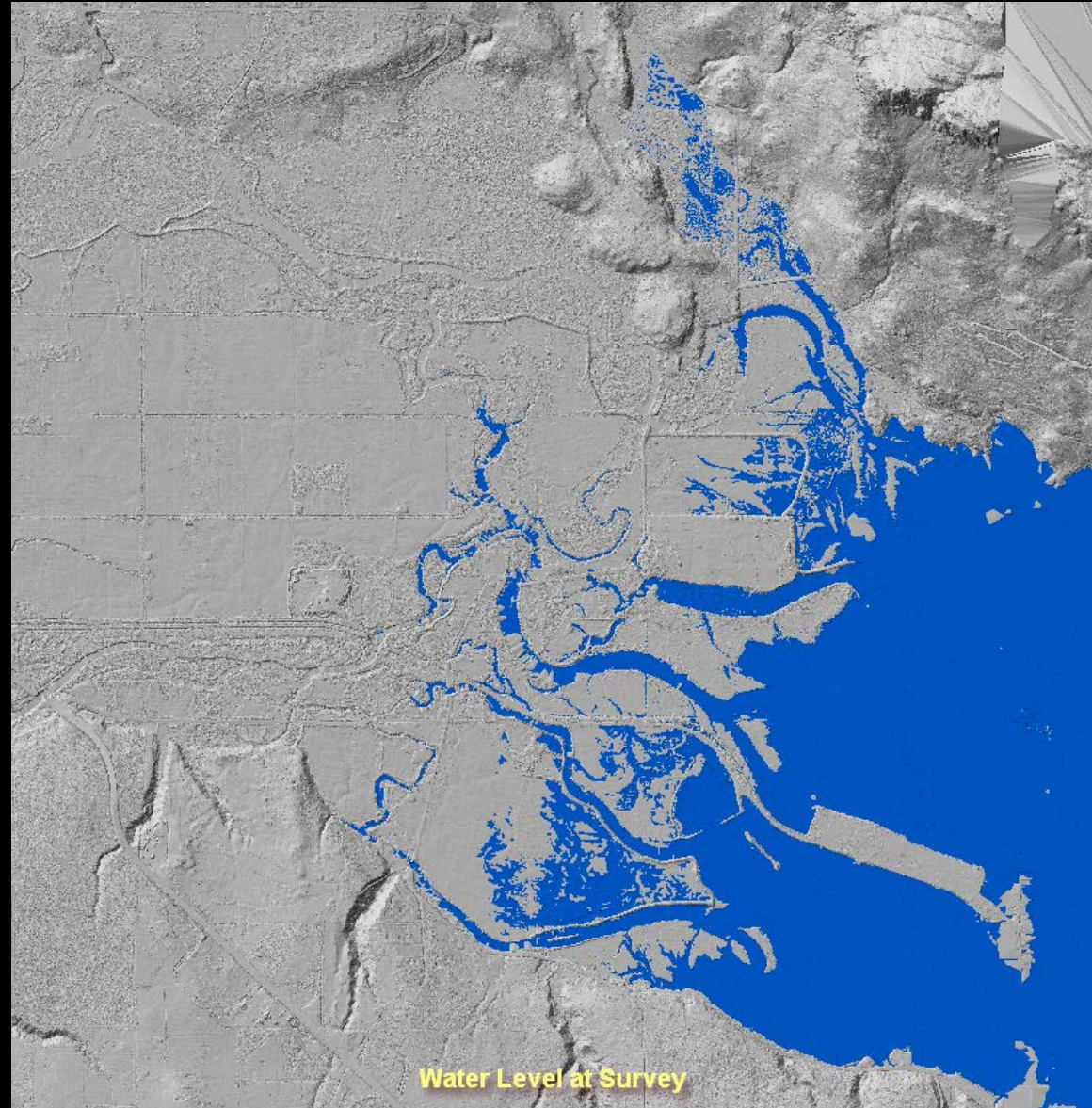


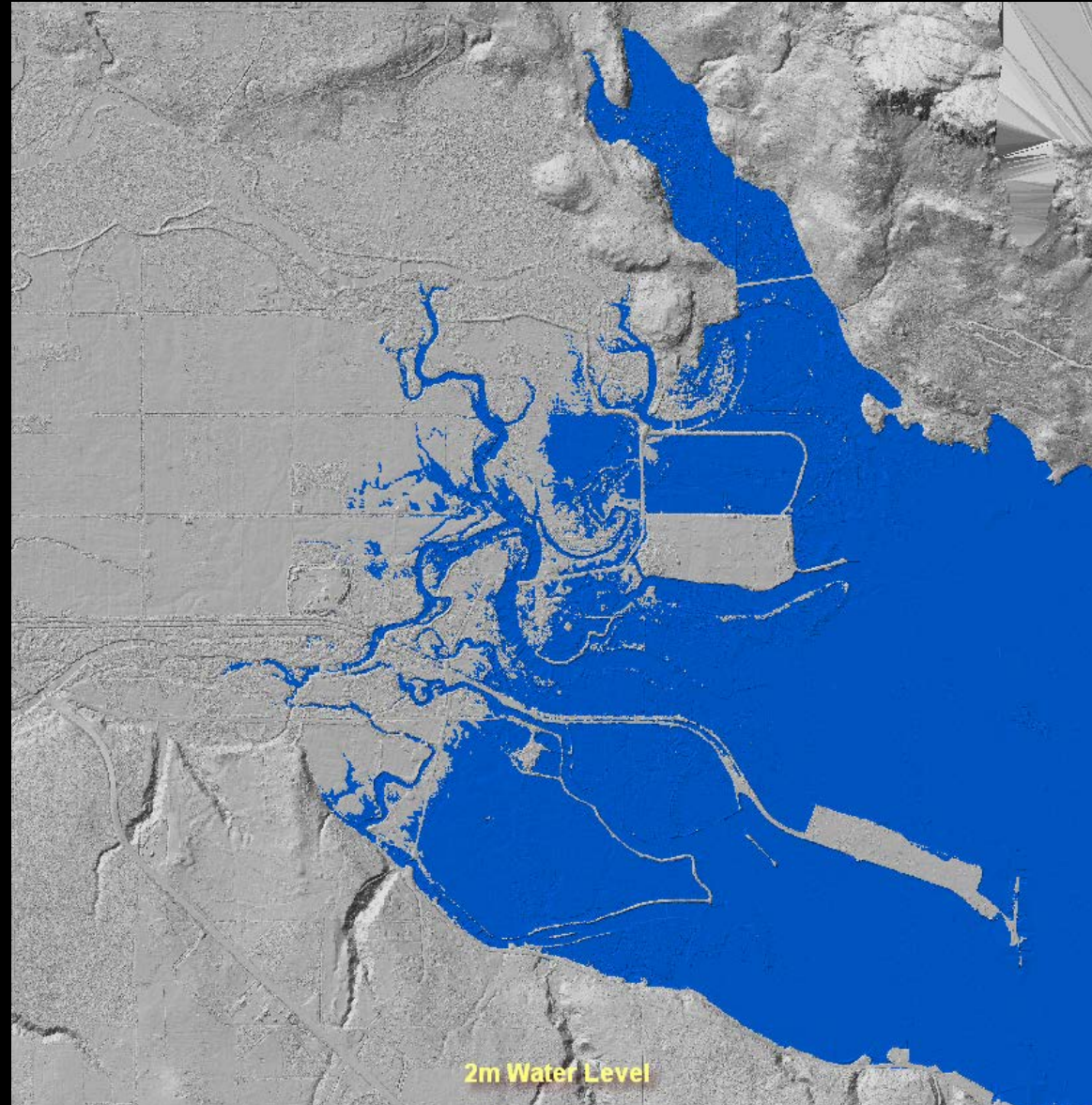
Volume loss: 88 956.82 m³

Volume gain: 344 435.10 m³



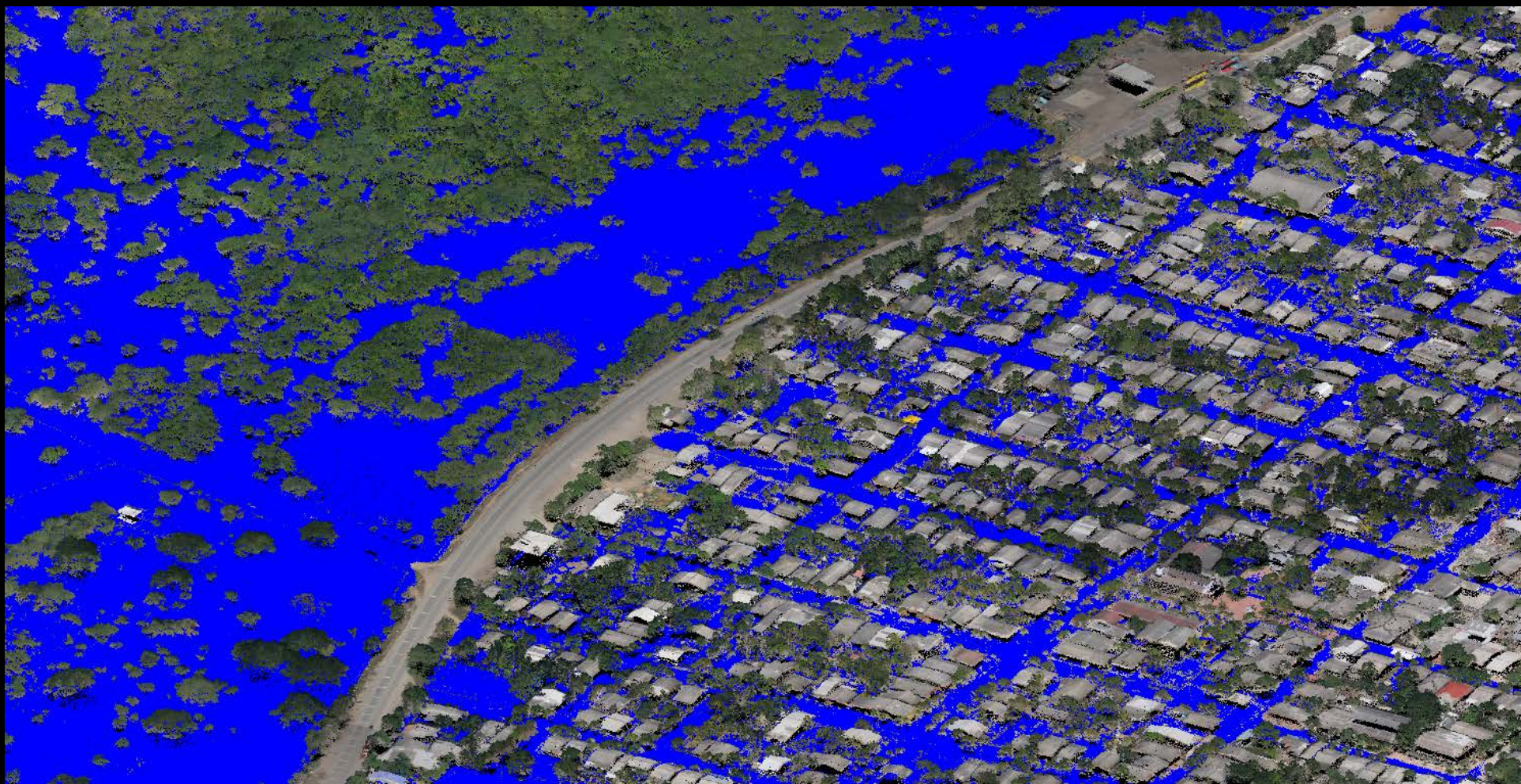








0.25m water level rise simulation

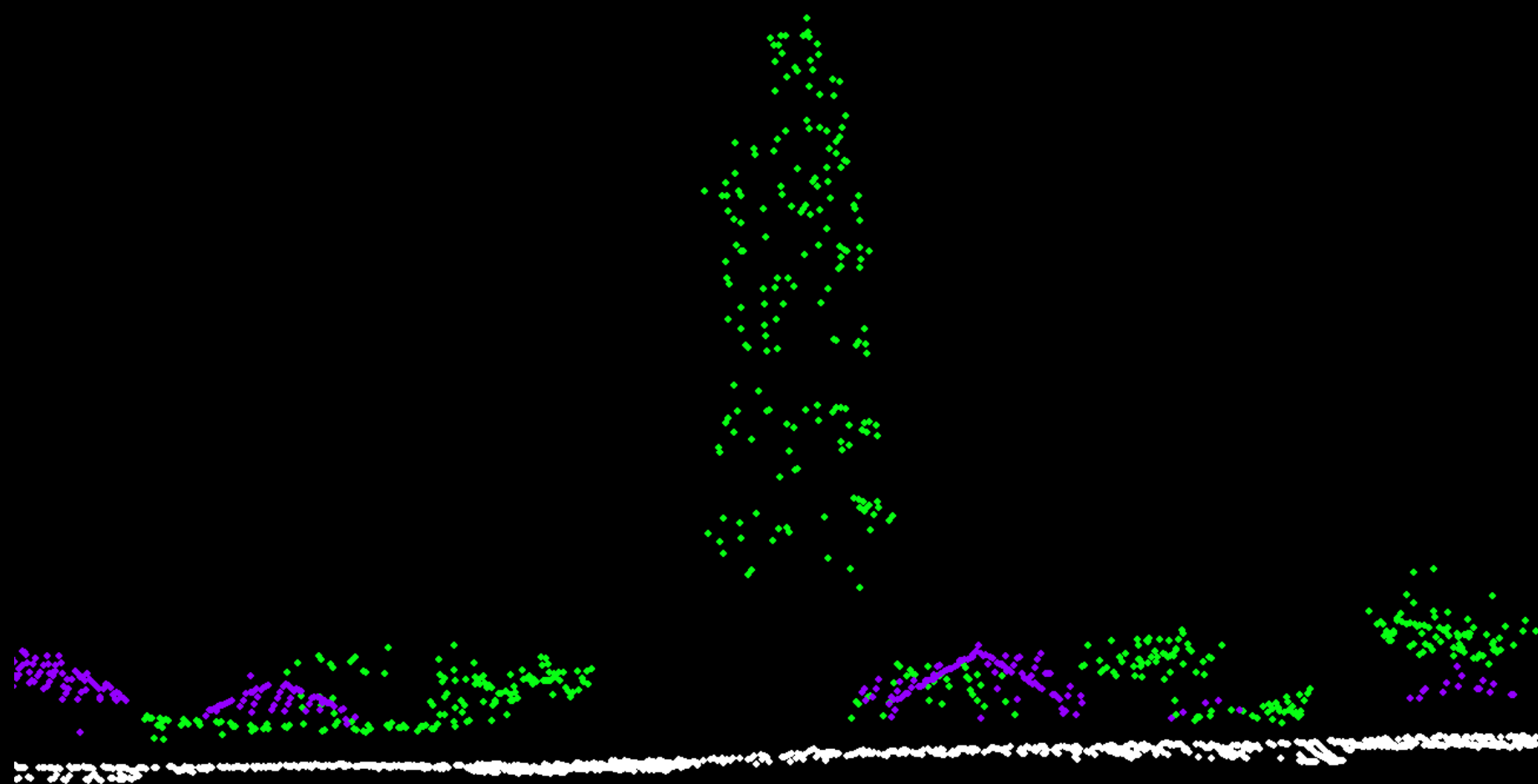


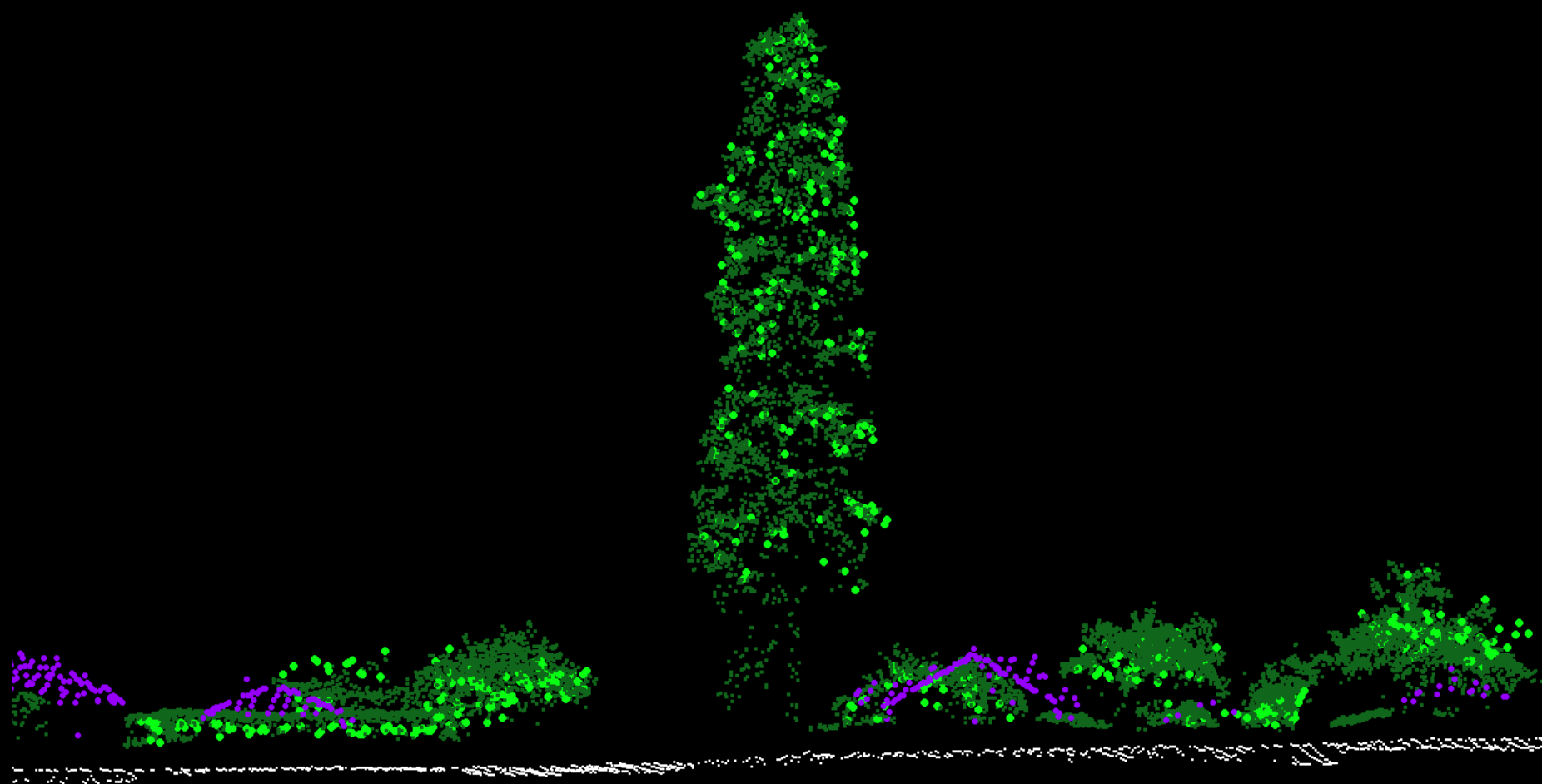
1.0m water level rise simulation with dike breach

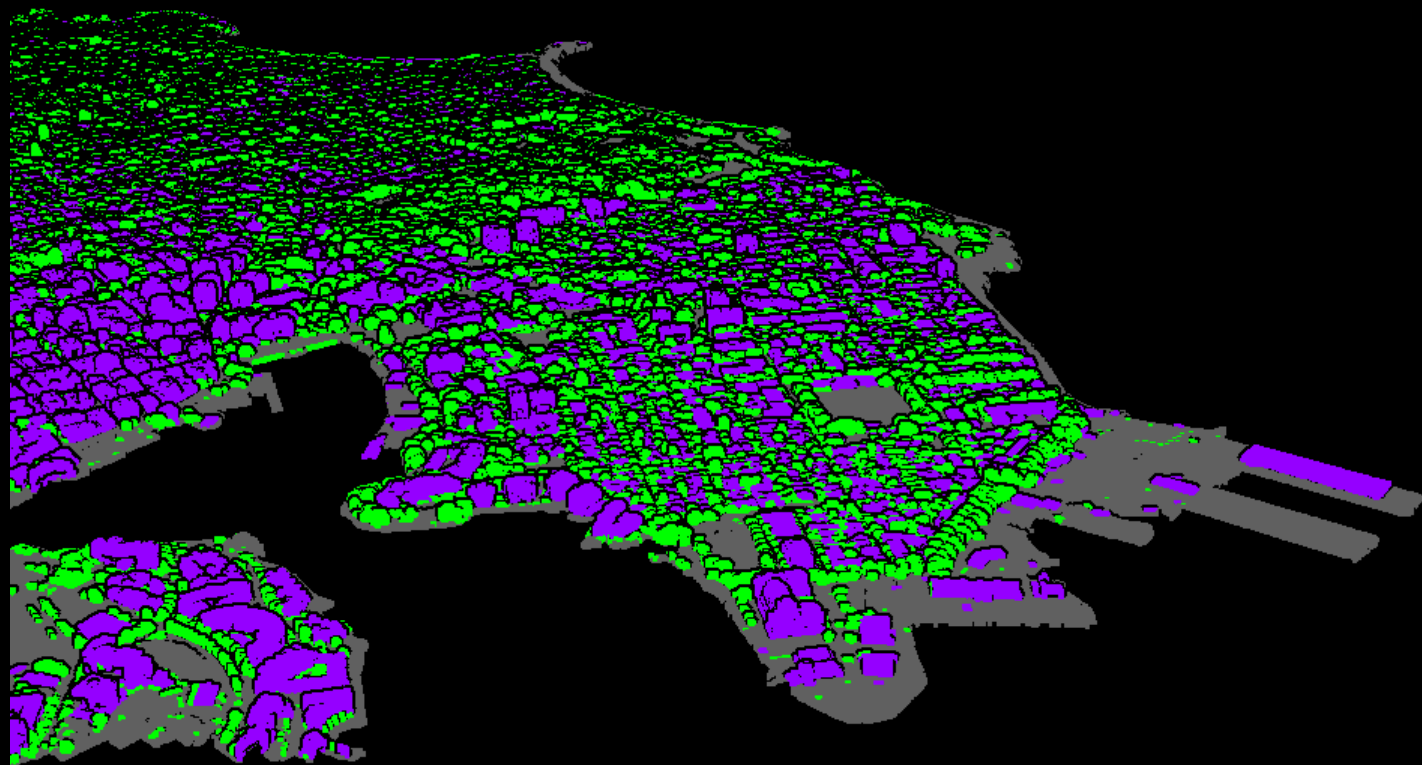


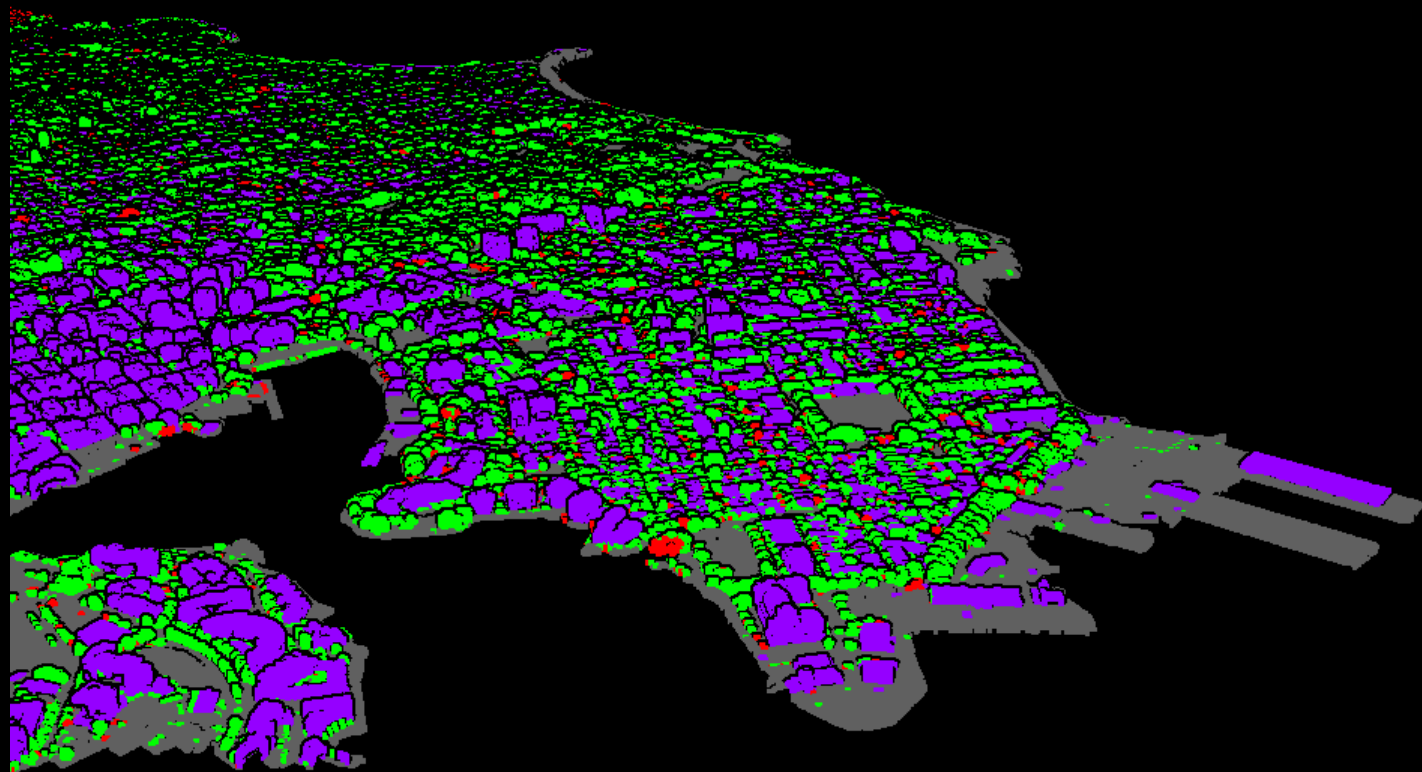


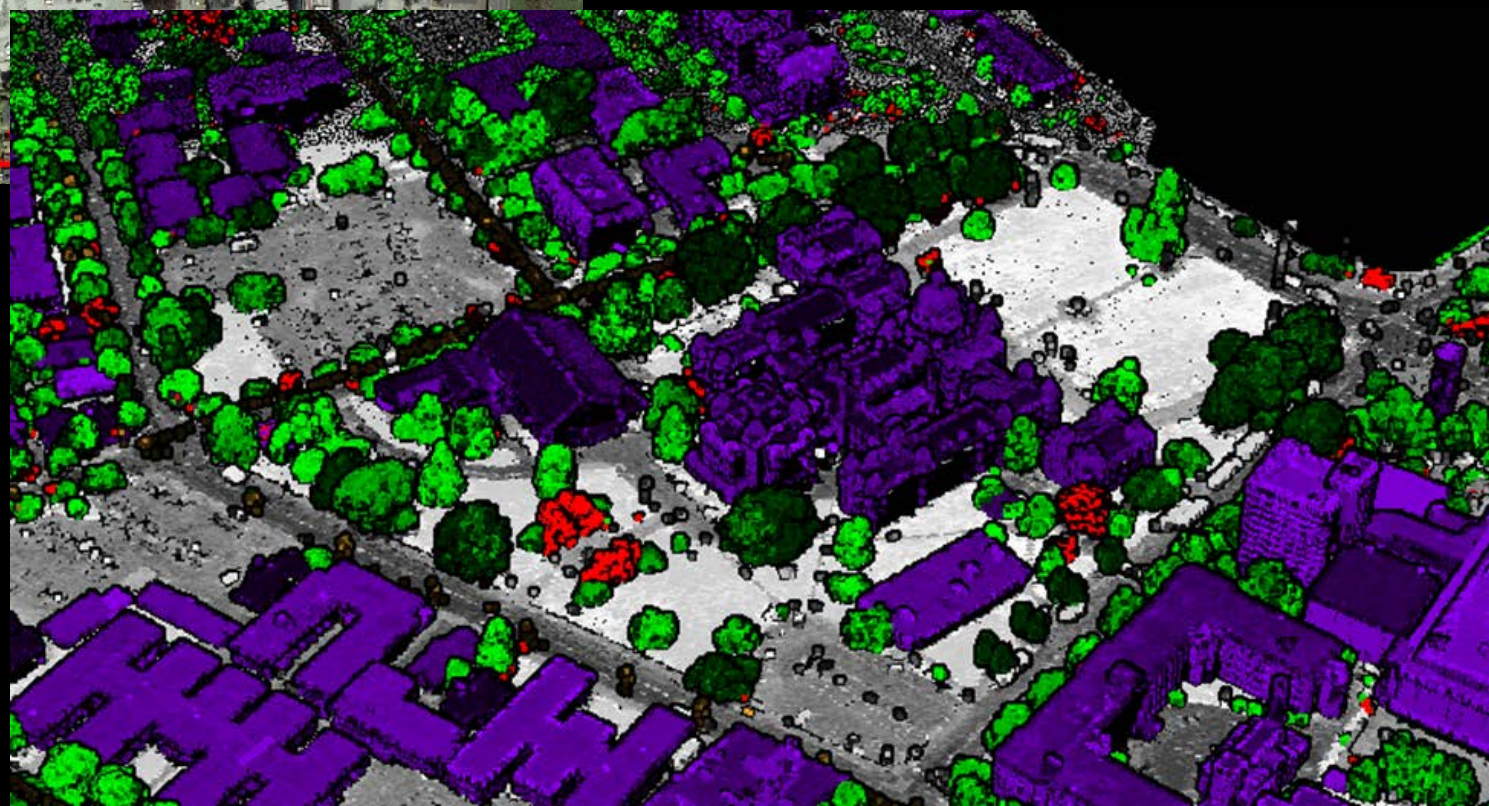












Thank you for your time.

Questions:

Taylor Davis

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