The logo features three colored circles (blue, green, and orange) arranged in a triangular pattern above the letter 'w' in the word 'Viewworx'.

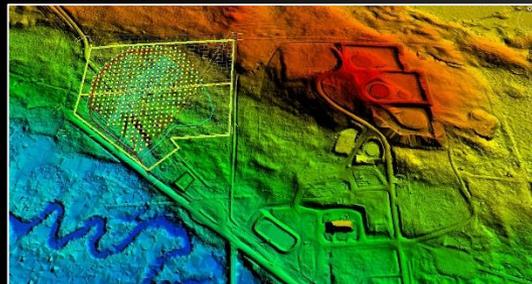
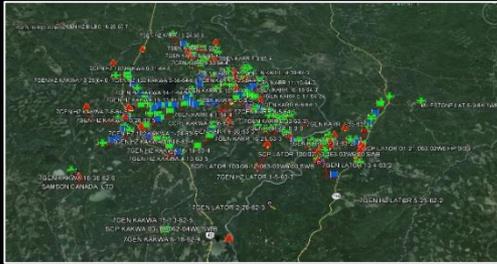
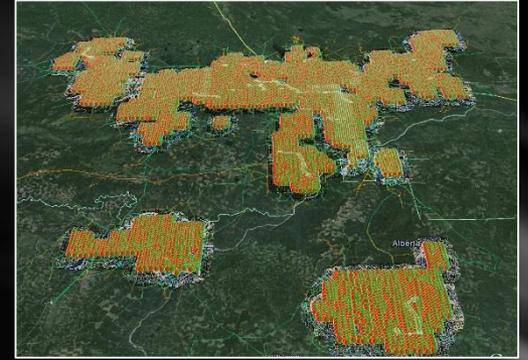
Viewworx

Providing solutions using innovative tools

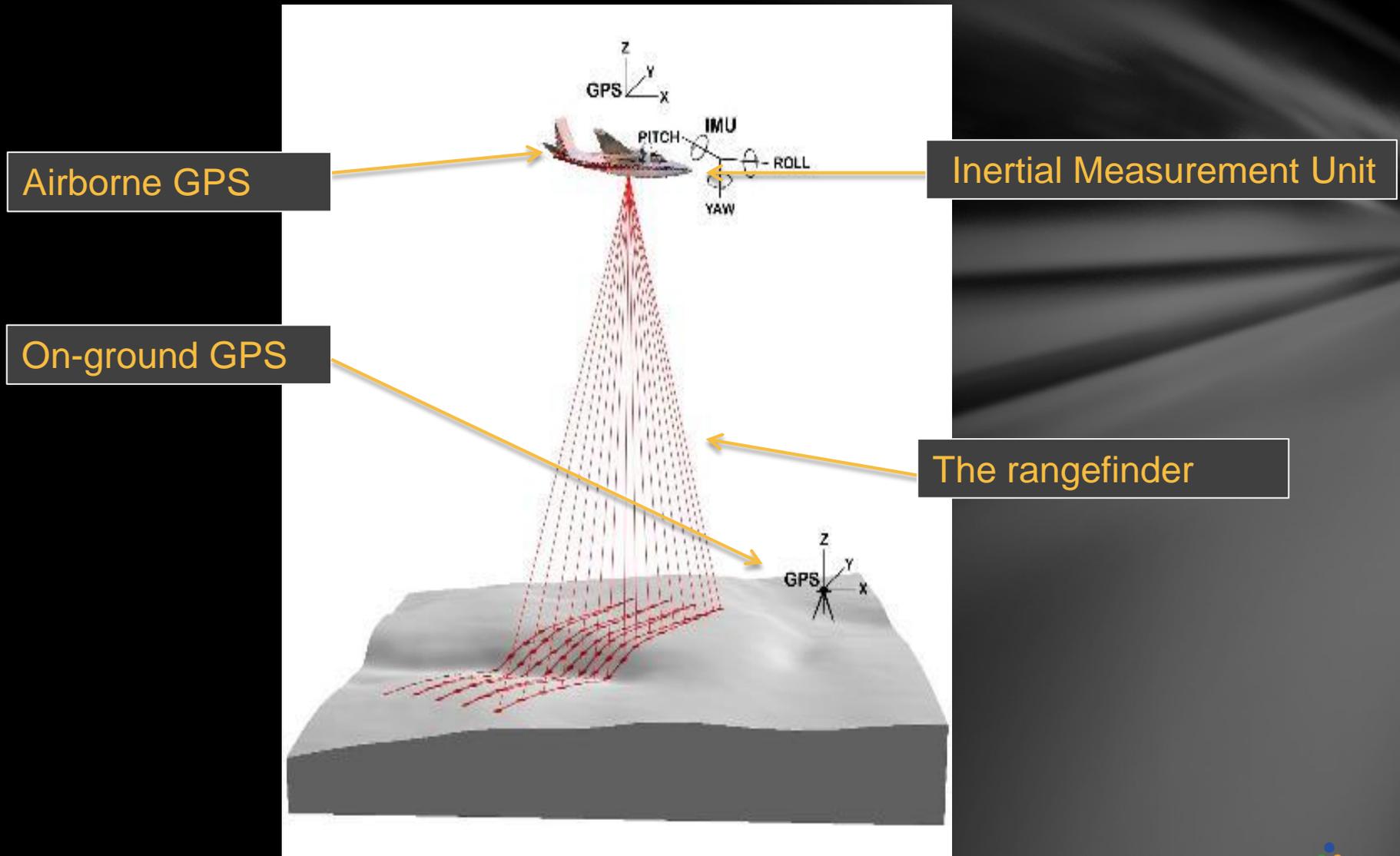
Overview

- Background.
- What is LiDAR?
- Data Collection Methods and Vieworx.
- LiDAR Applications to Wetlands.
- Digital Construction Services.

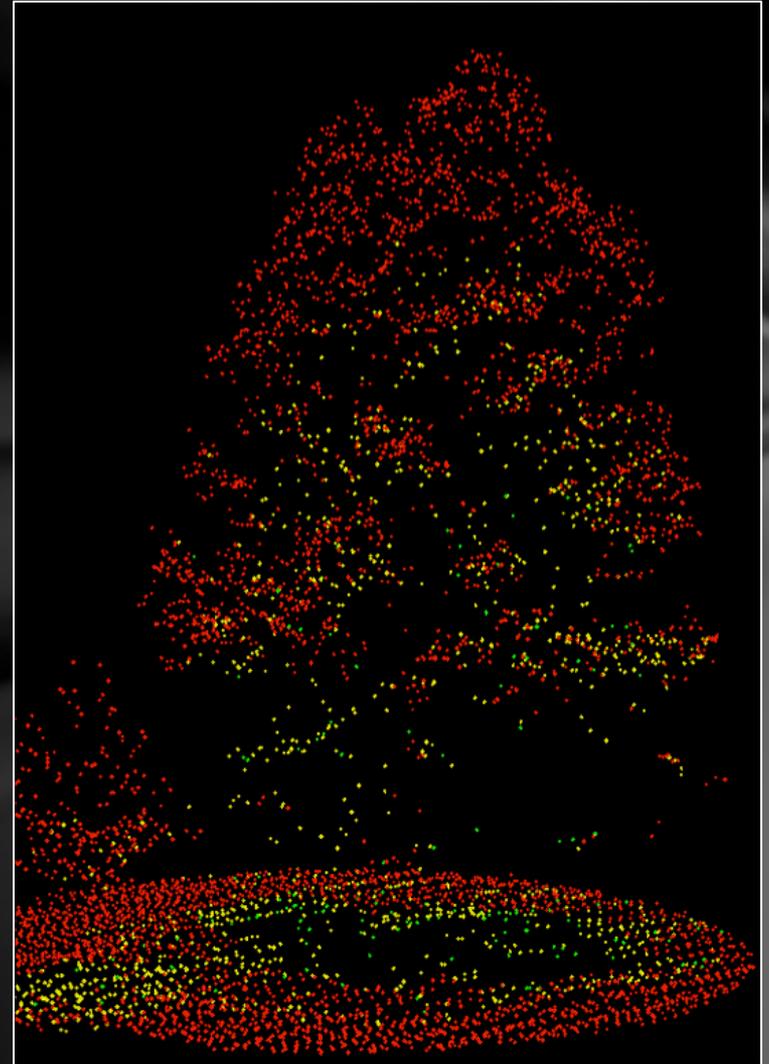
Background



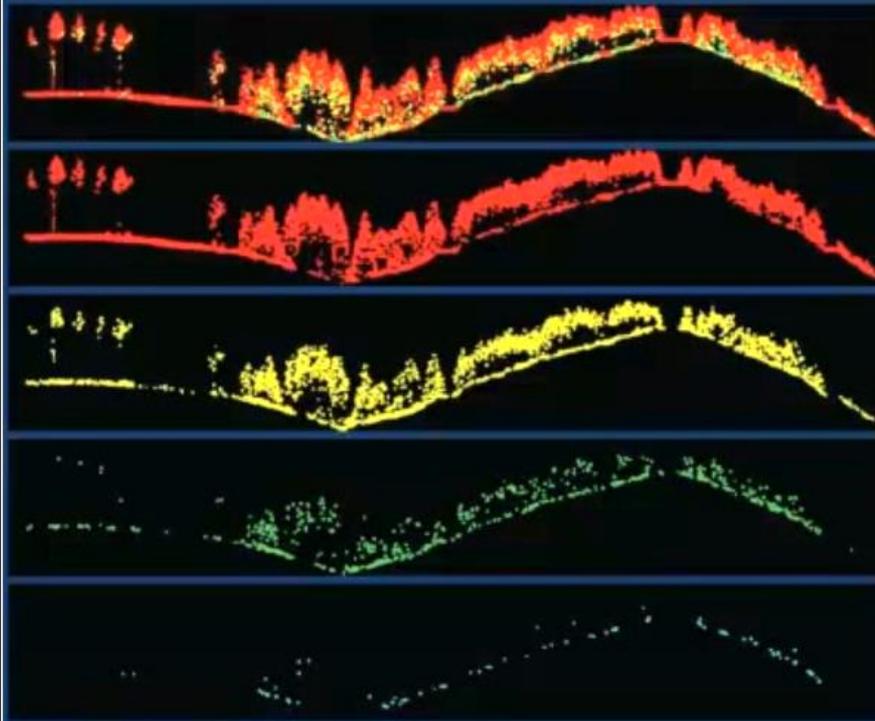
Light Detection and Ranging (LiDAR)



High Point Density



Multiple Returns



All returns (16,664 pulses)

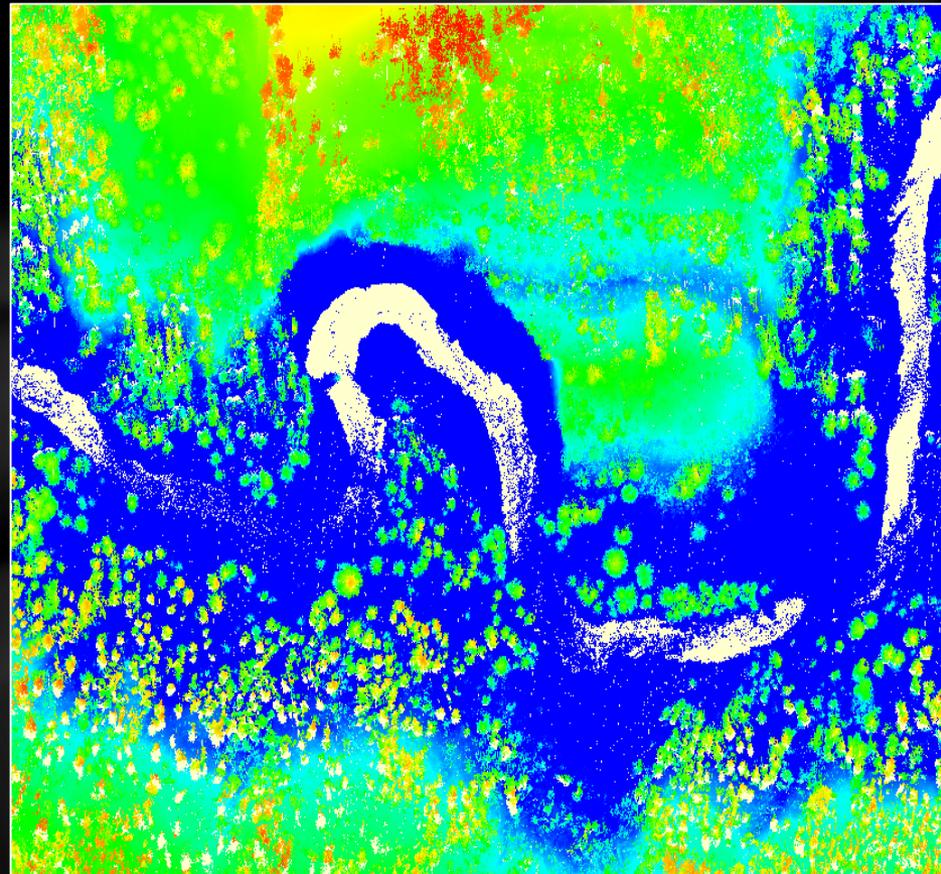
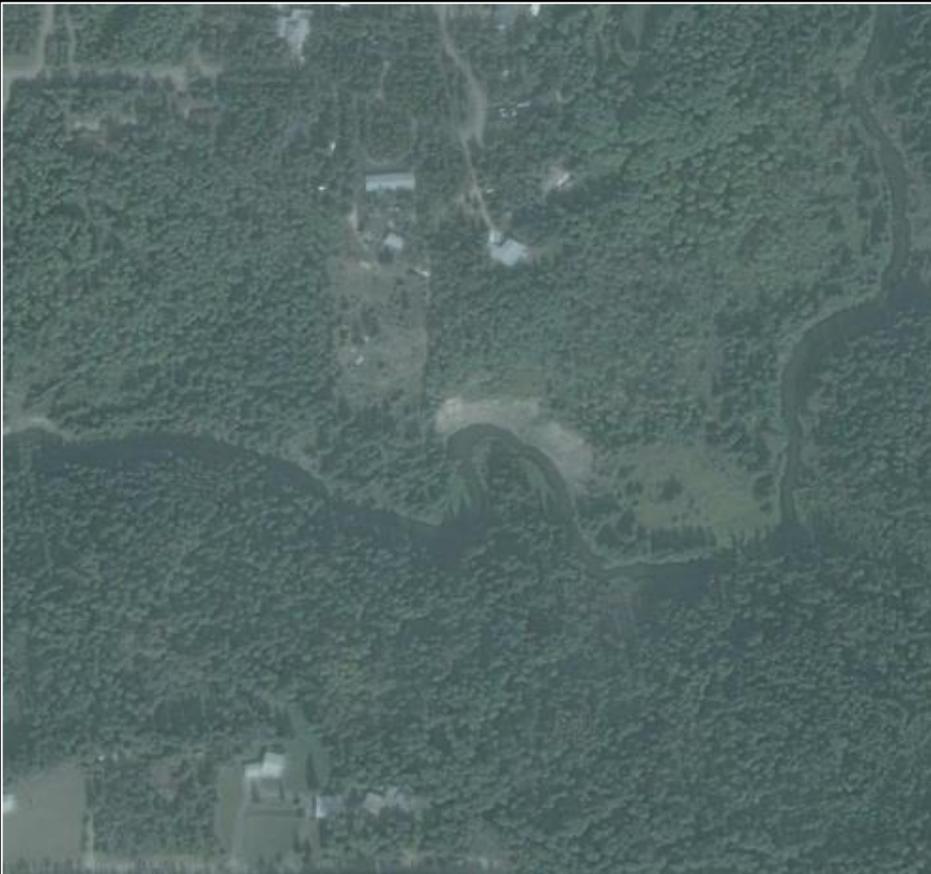
1st returns

2nd returns (4,385 pulses, 26%)

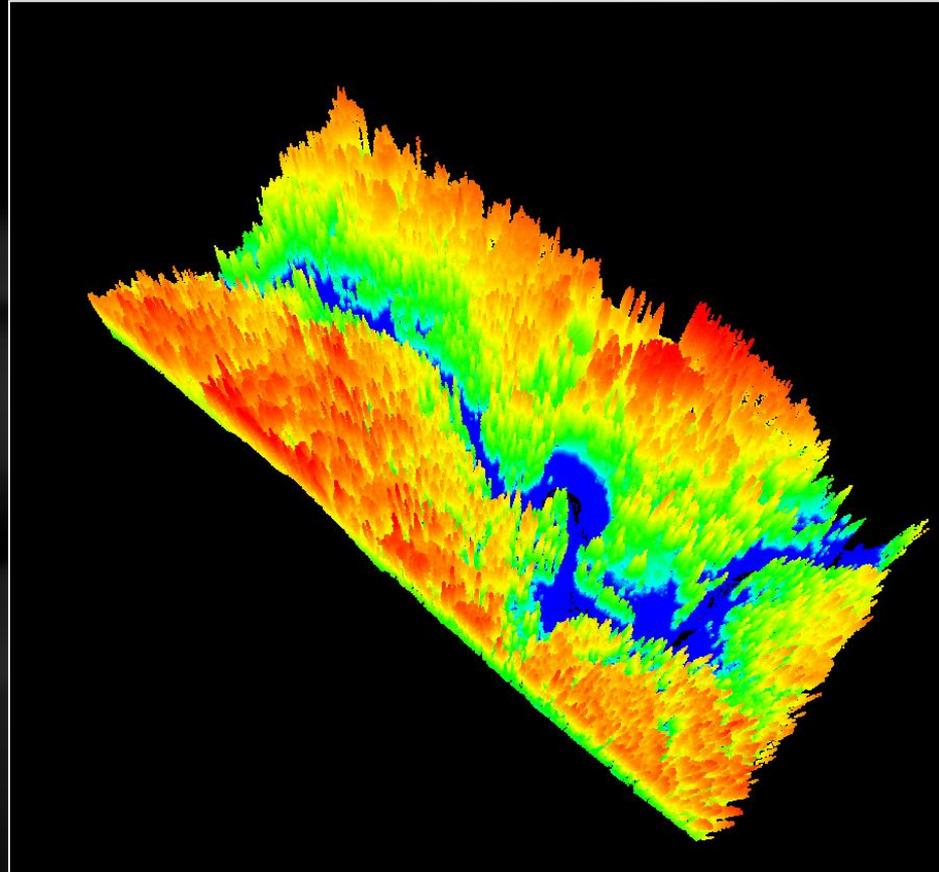
3rd returns (736 pulses, 4%)

4th returns (83 pulses, <1%)

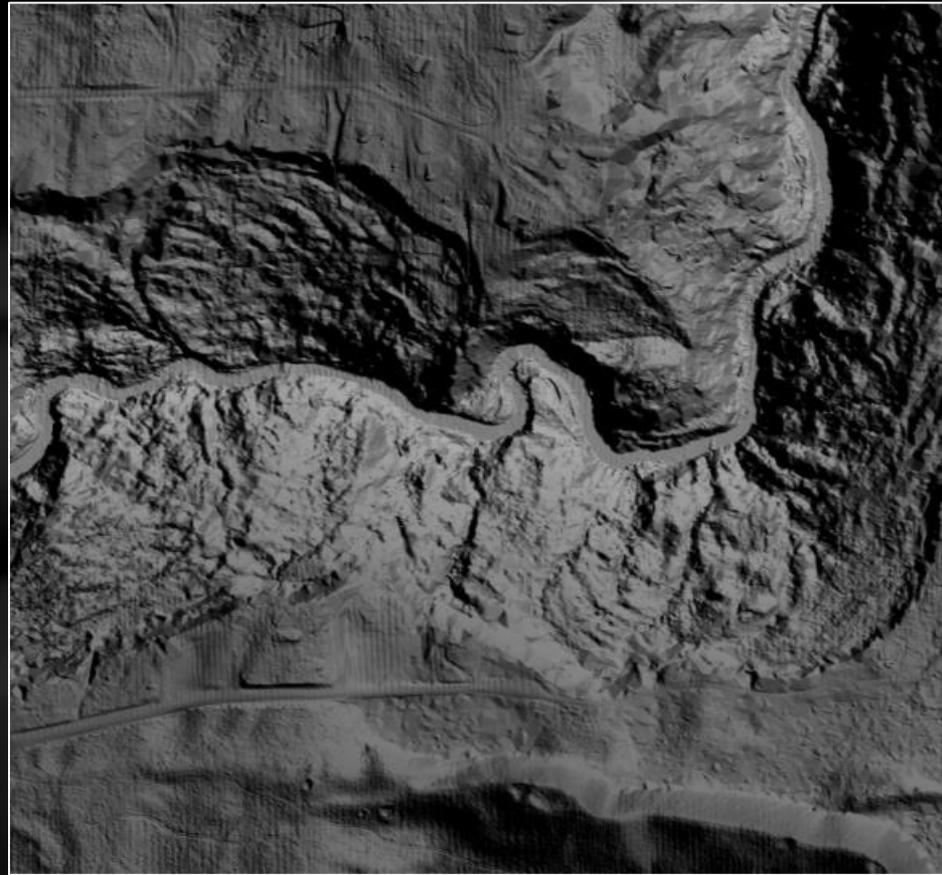
Aerial Photo vs. Point Cloud



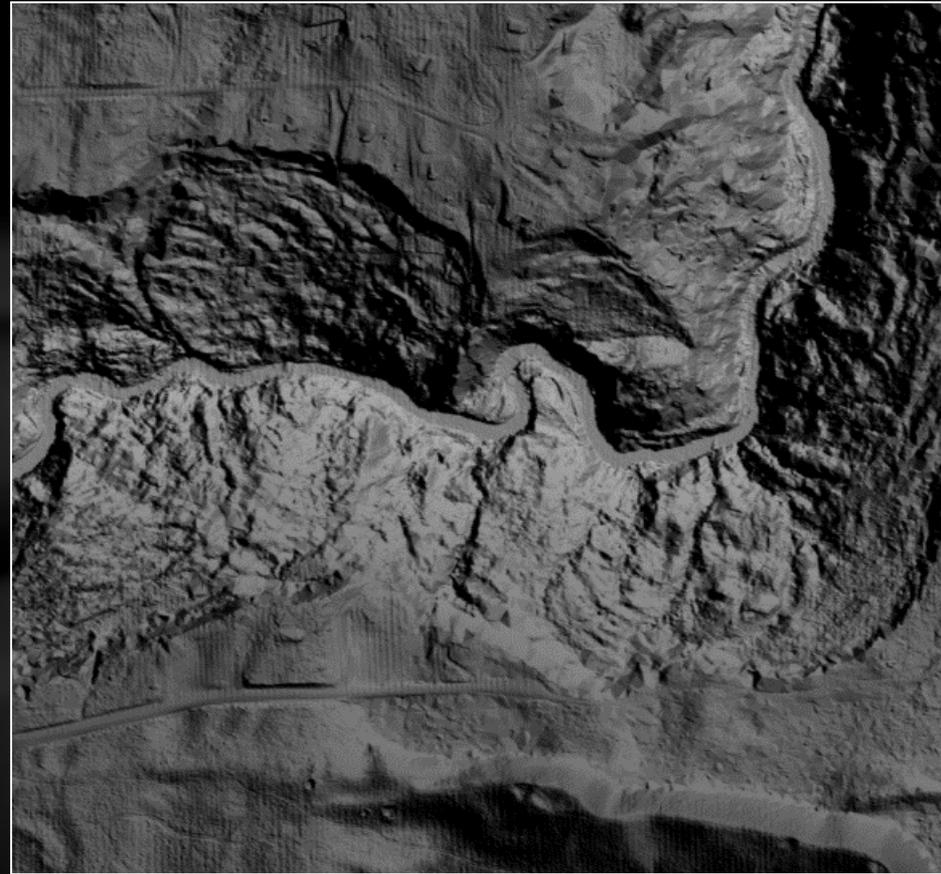
Aerial Photo vs. Point Cloud



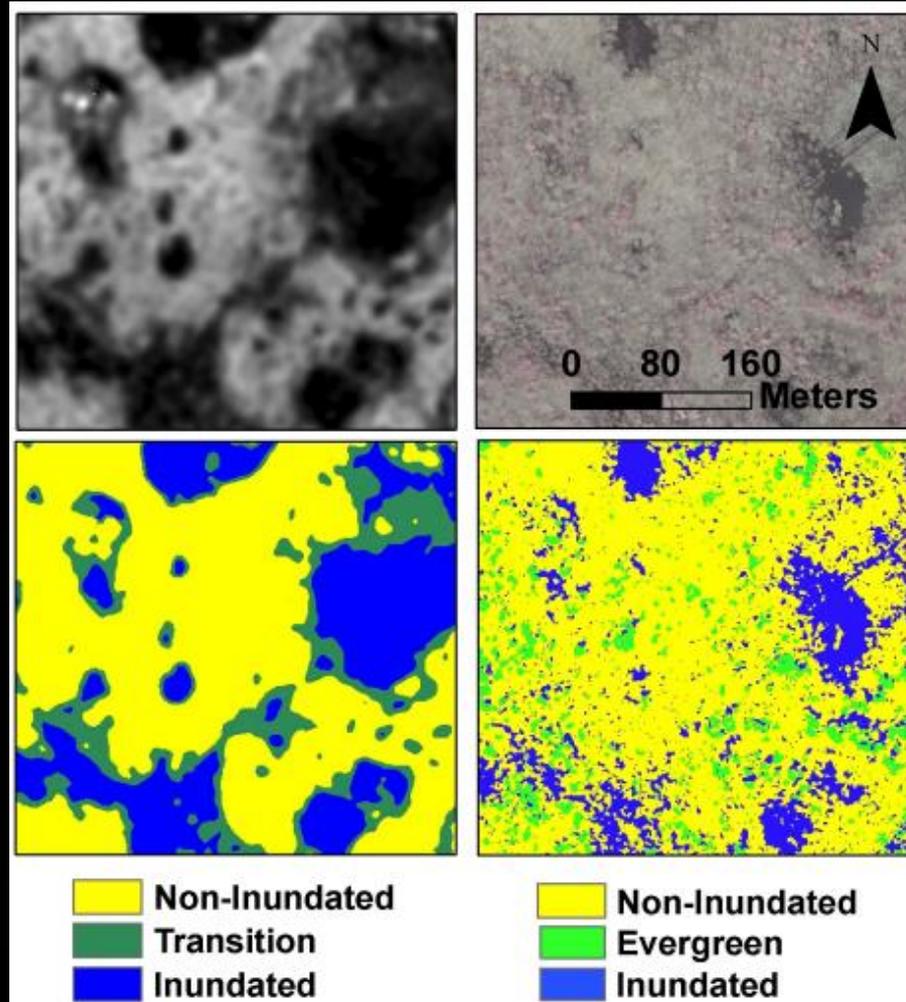
Aerial Photo vs. Bare Earth



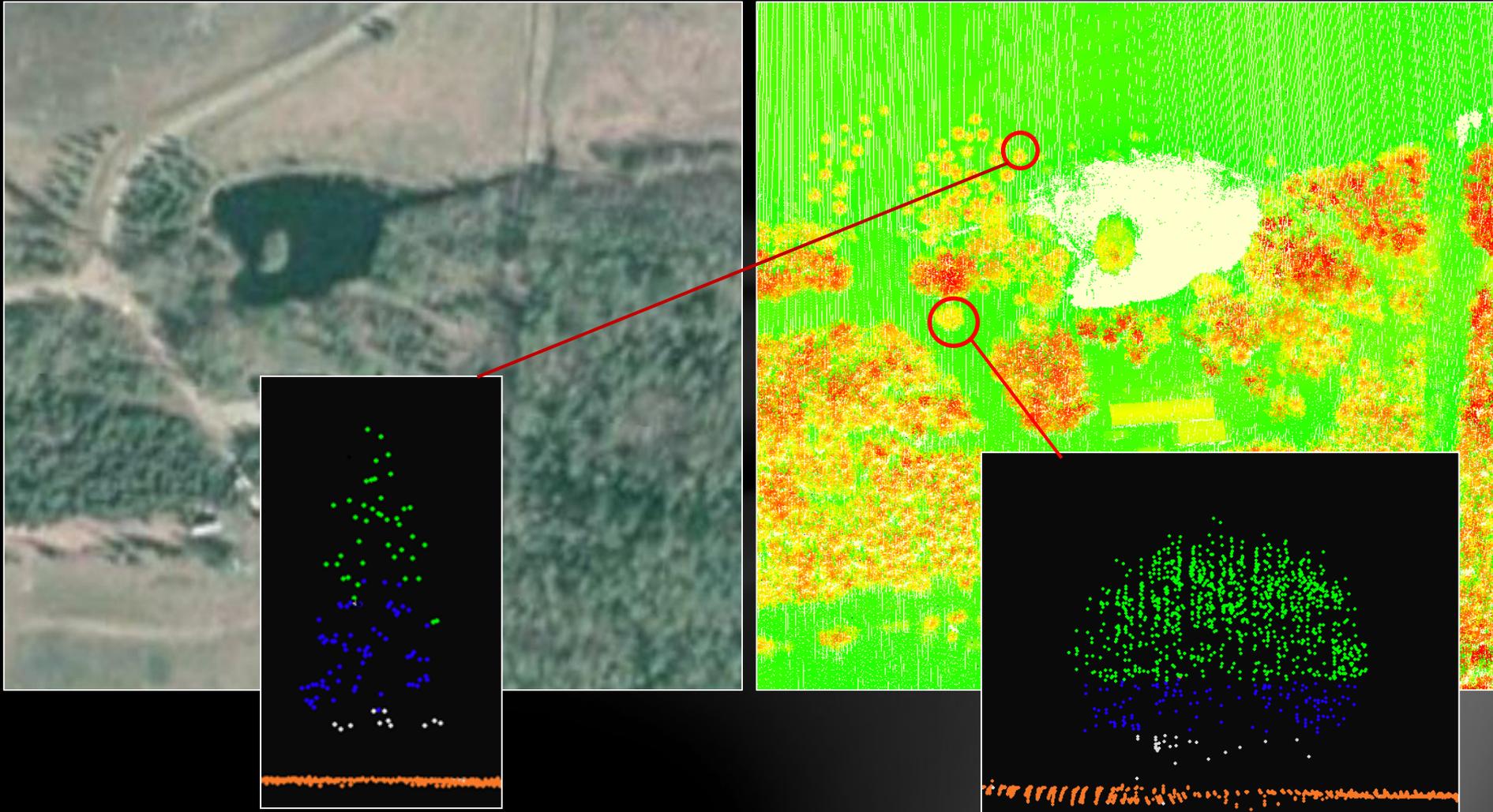
Bare Earth Photo vs. Bare Earth LiDAR



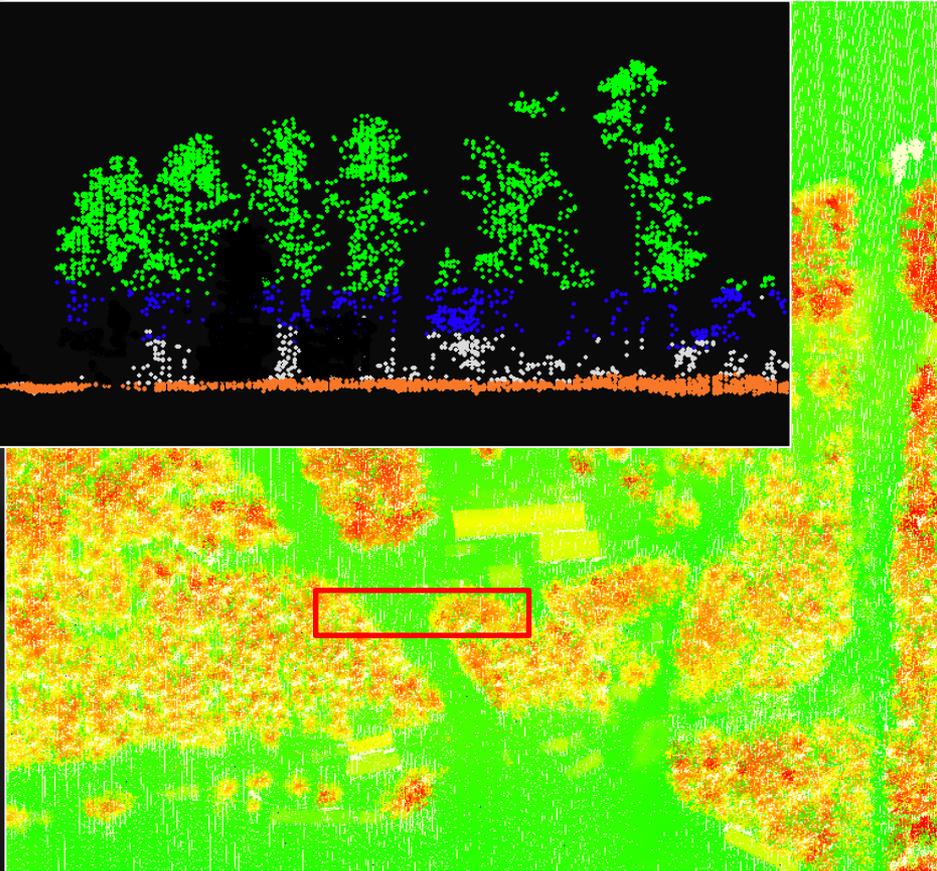
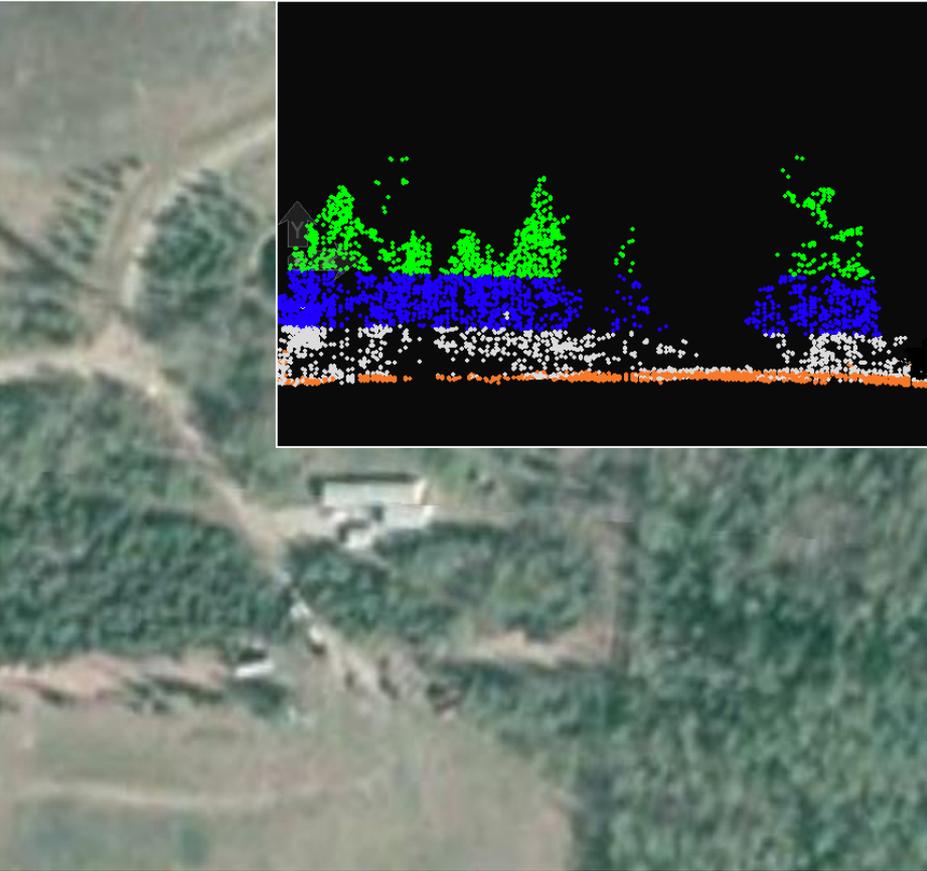
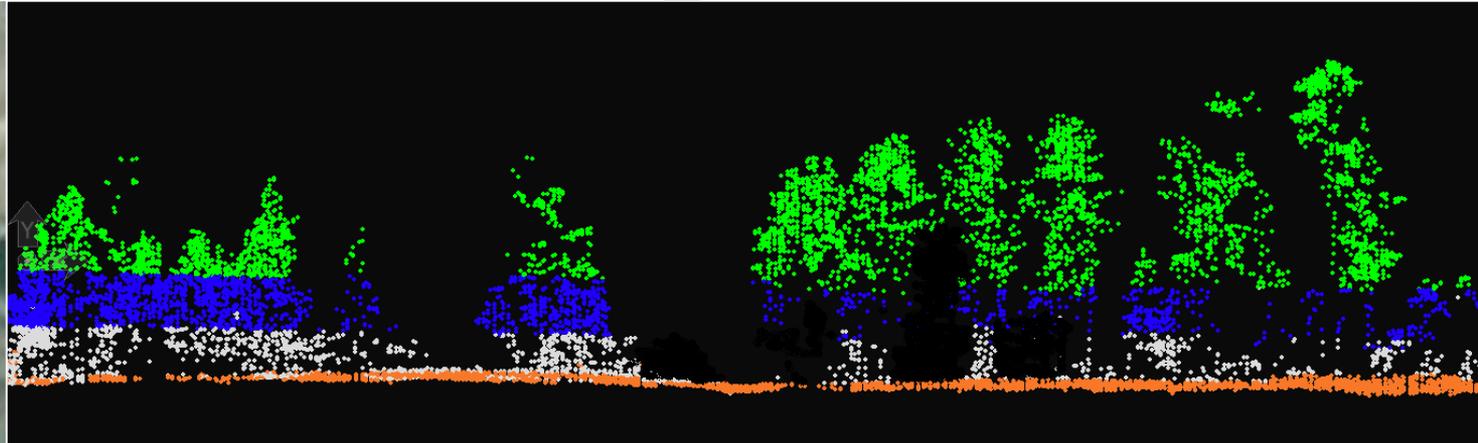
LiDAR for Wetland management



Forest Structure Characterization



Forest Structure Characterization



Vegetation Height Models

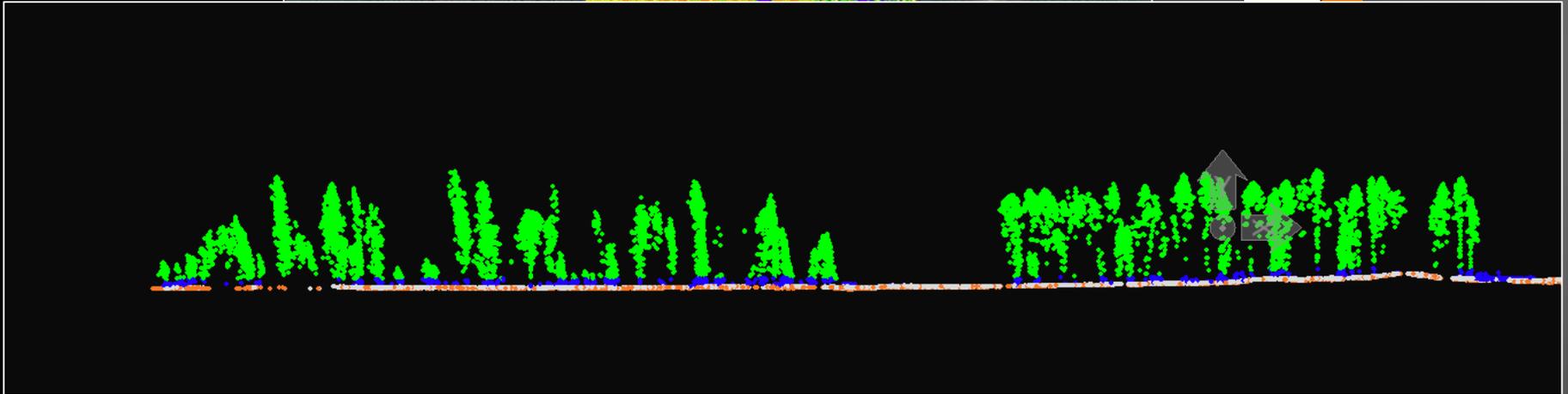
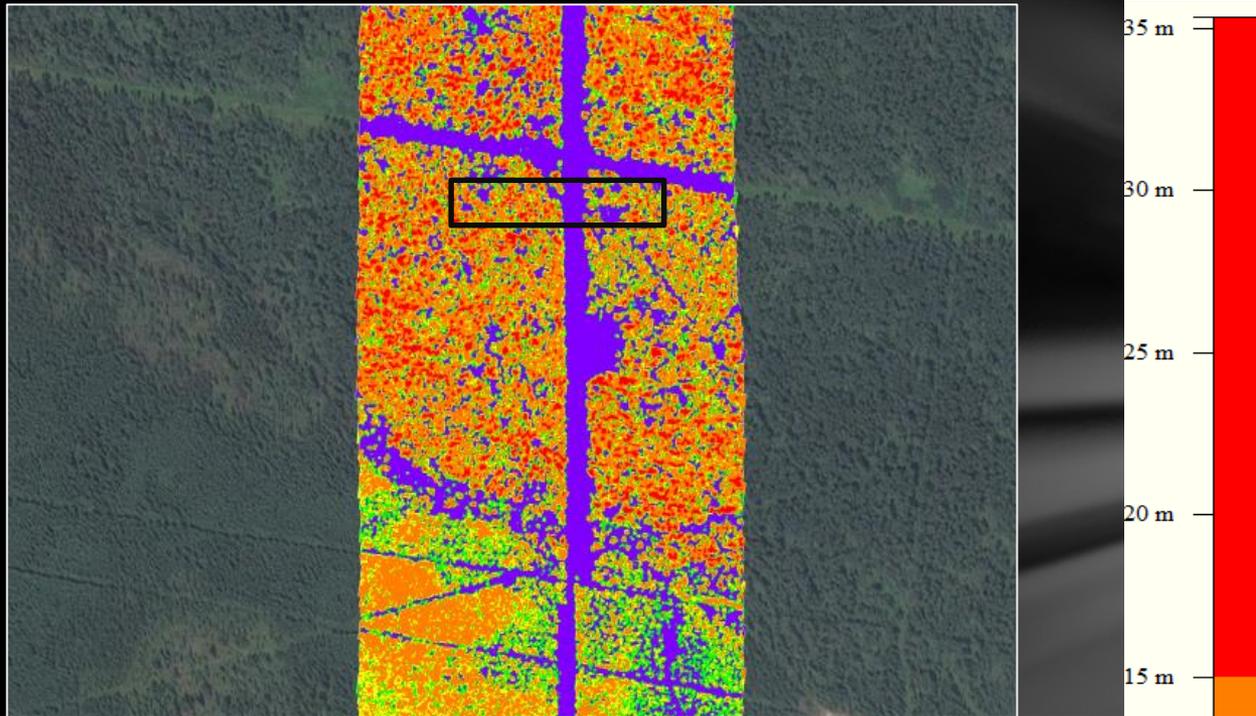
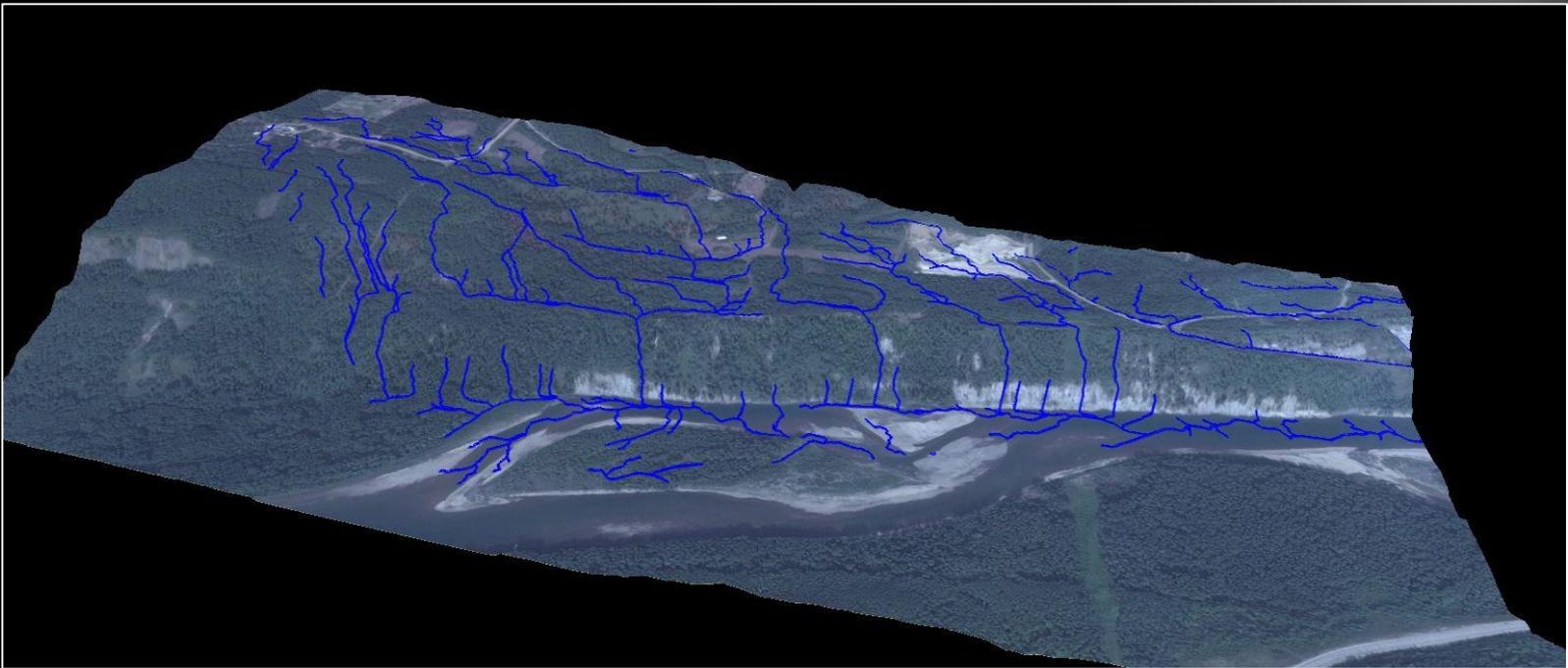


Image © 2015 Digi

LiDAR- Drainage

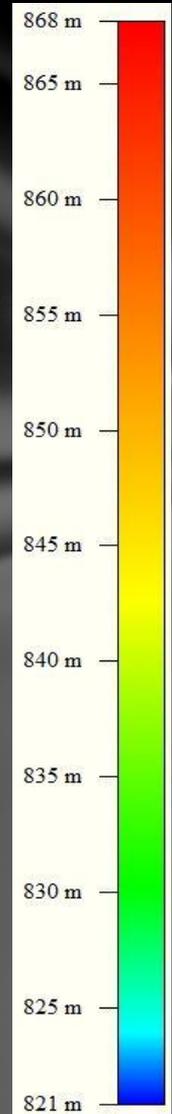
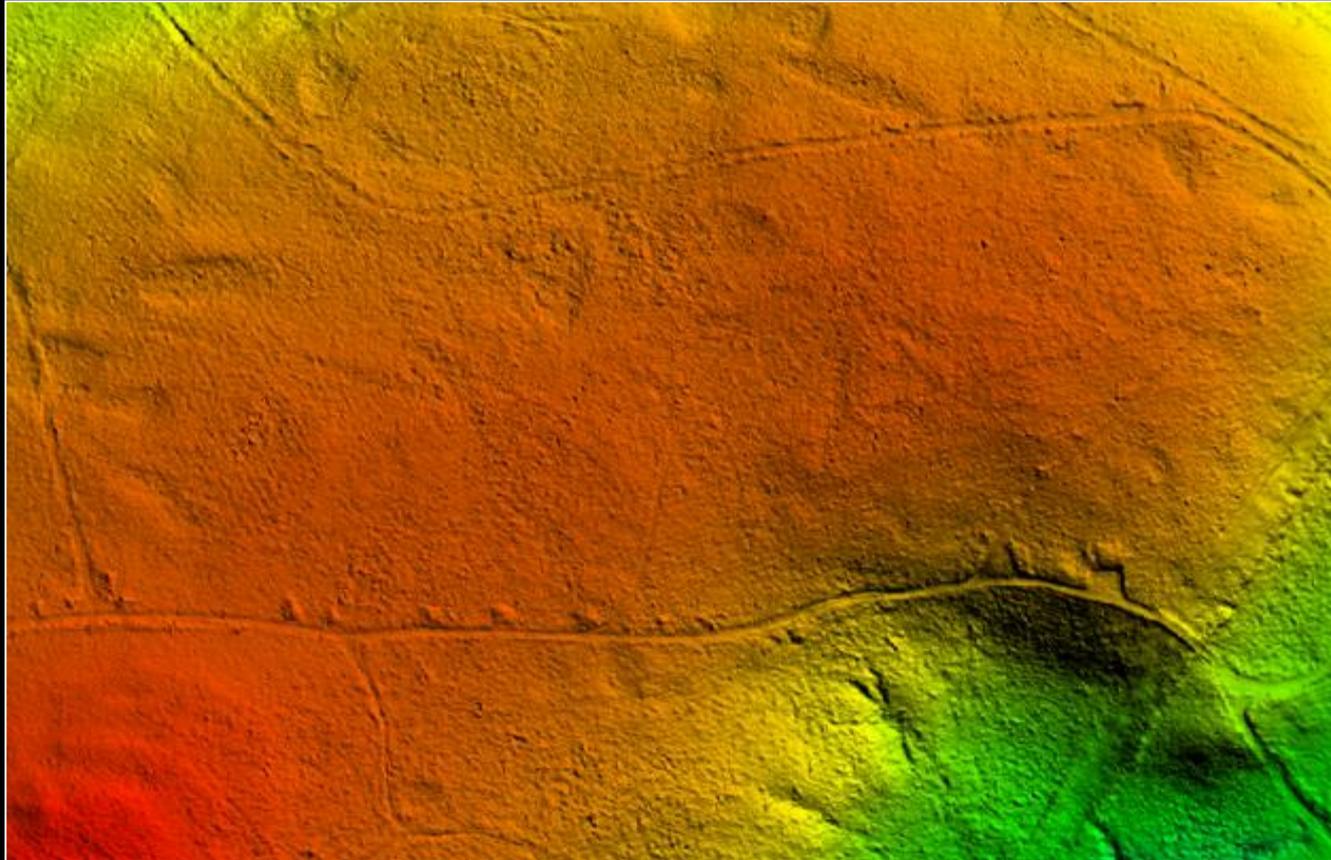
- Wet Area Mapping = Spatial distribution and extent of zones of saturation
- Runoff Volume
- Flood Predictions
- Erosion Rates

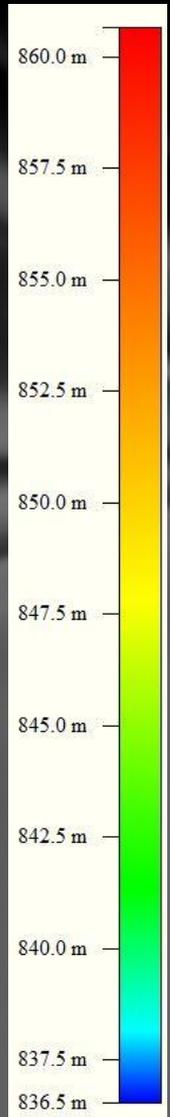
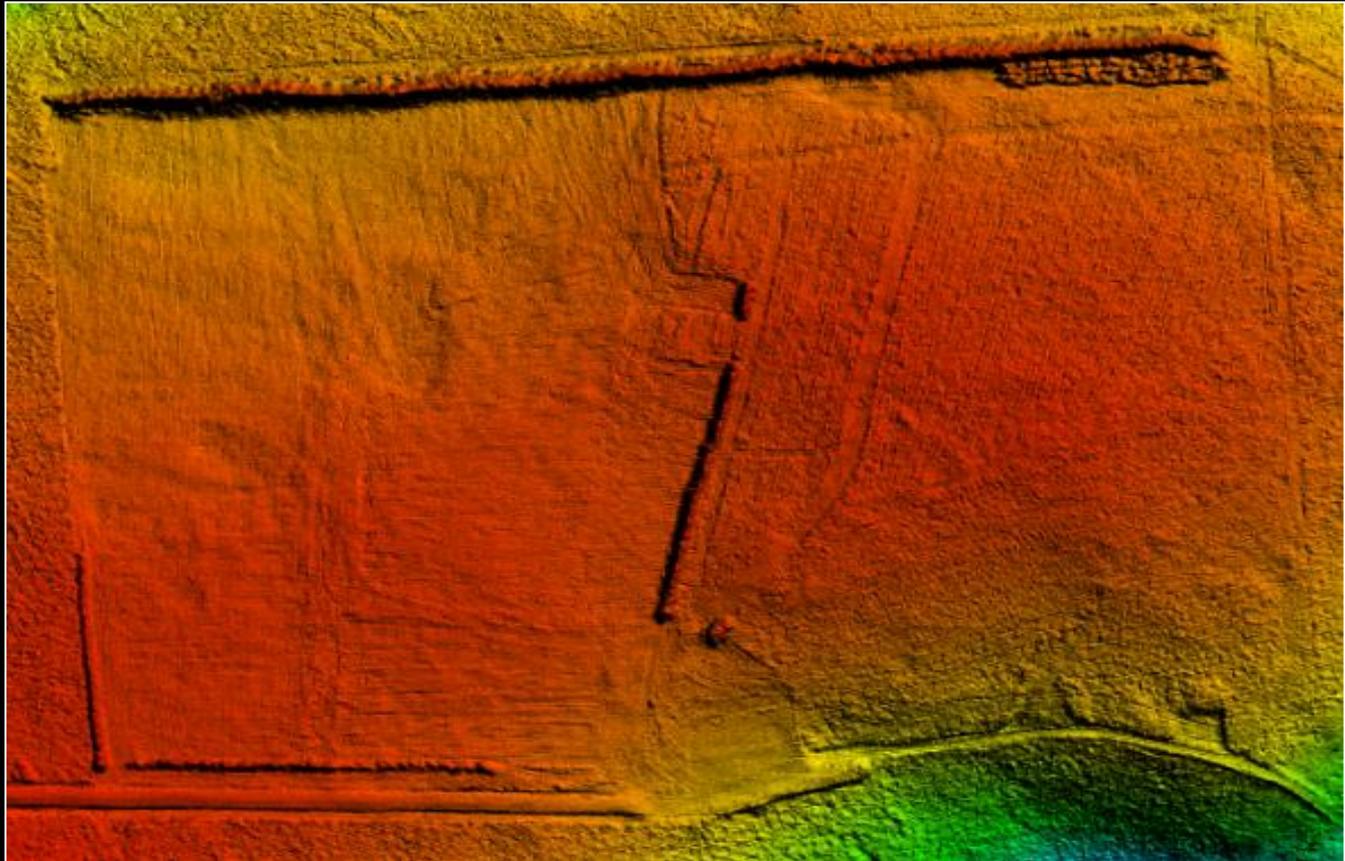


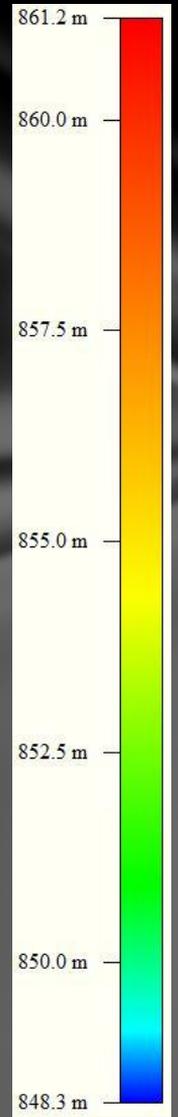
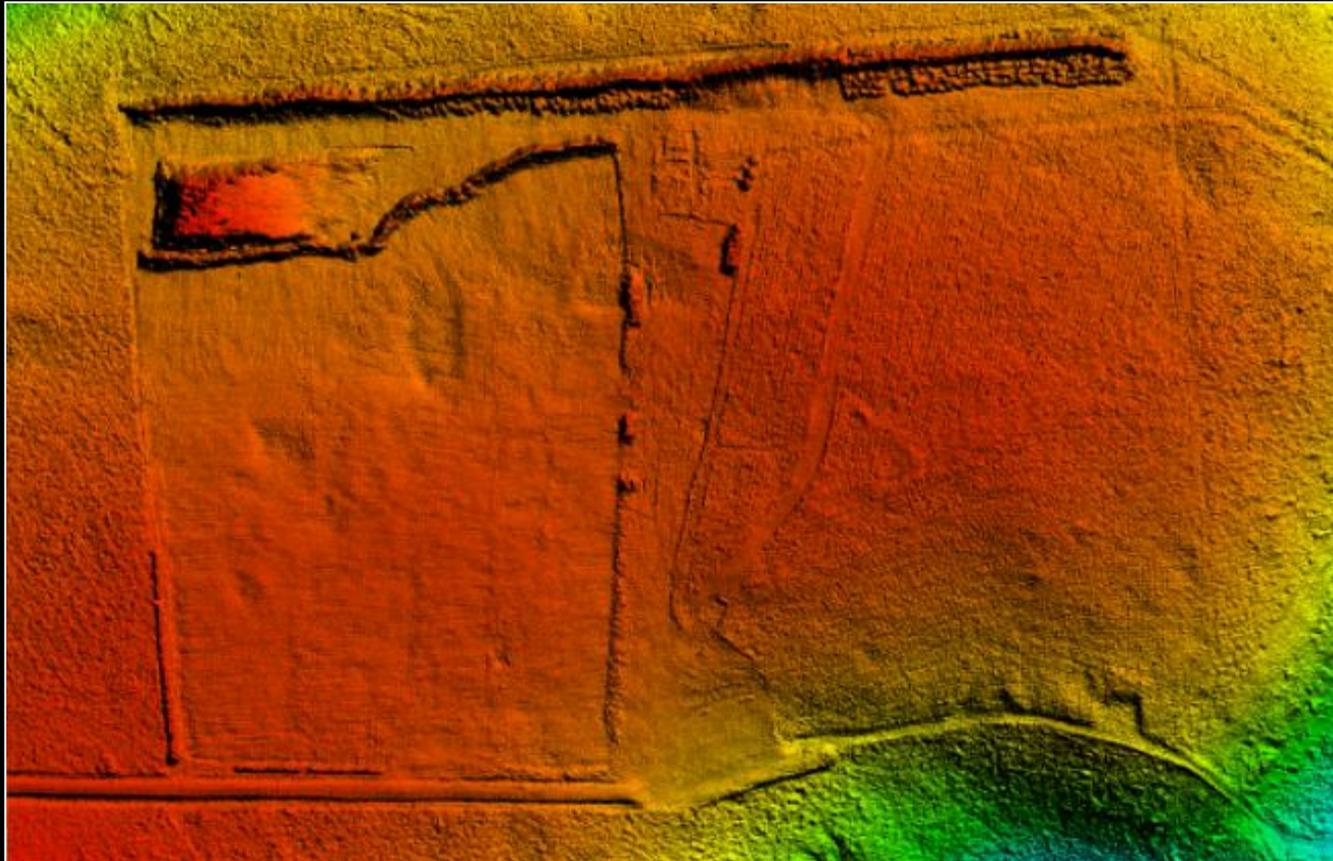
Planning - Design

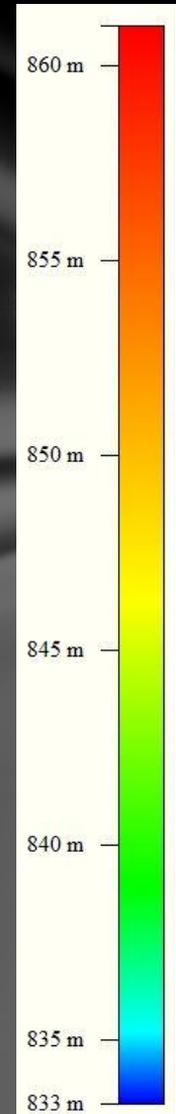
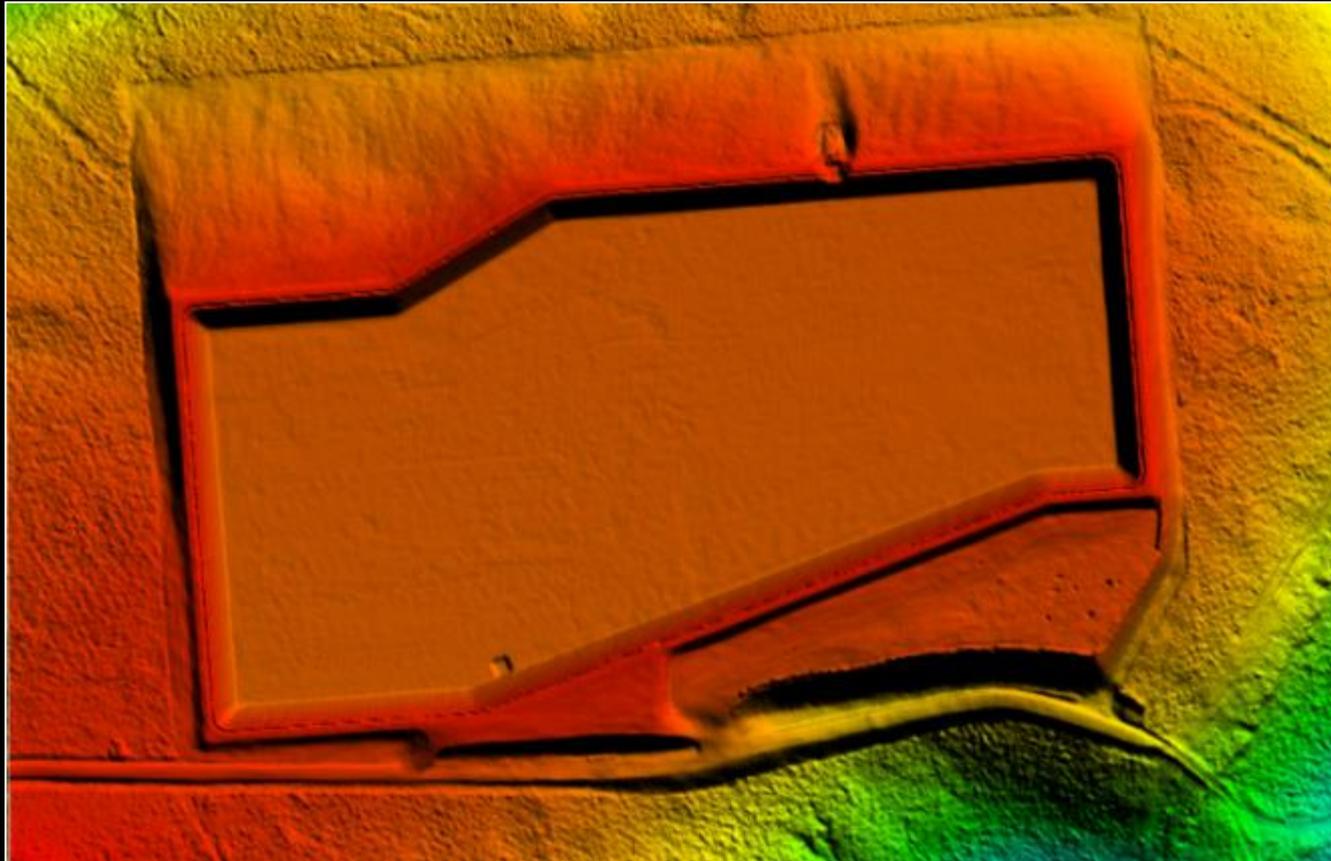


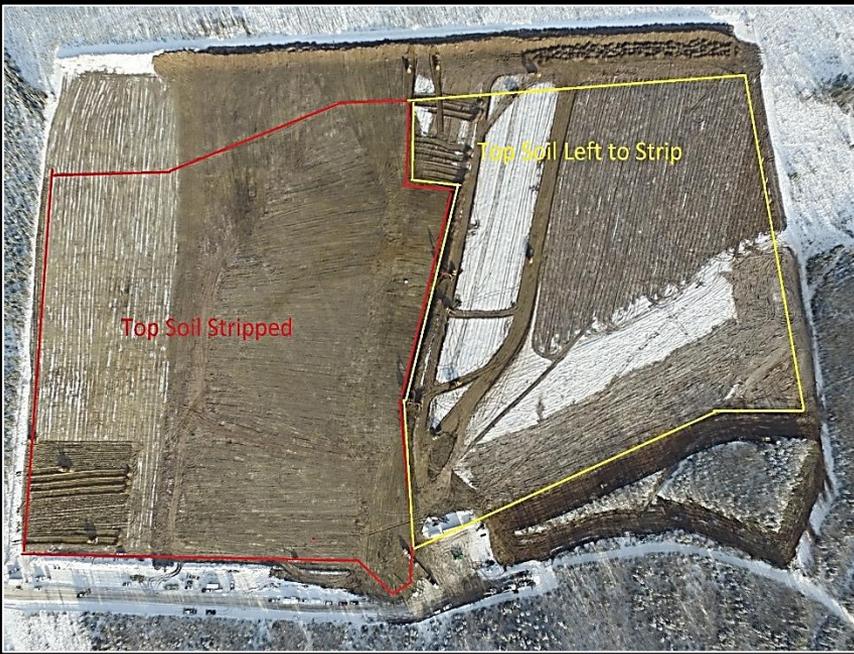
LiDAR Progress











Oil and Gas Industry

Pipeline Facility



Oil and Gas Industry

Sign Down



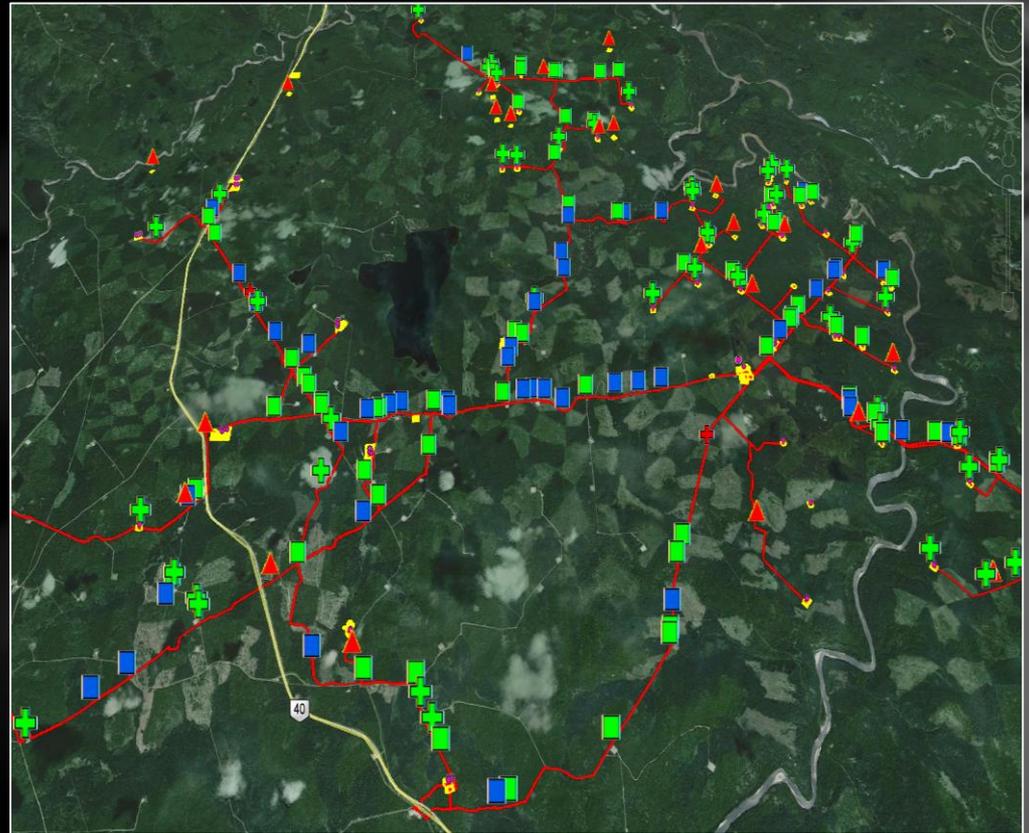
Oil and Gas Industry

Water- Crossing



Oil and Gas Industry

Final Inspection



Innovation



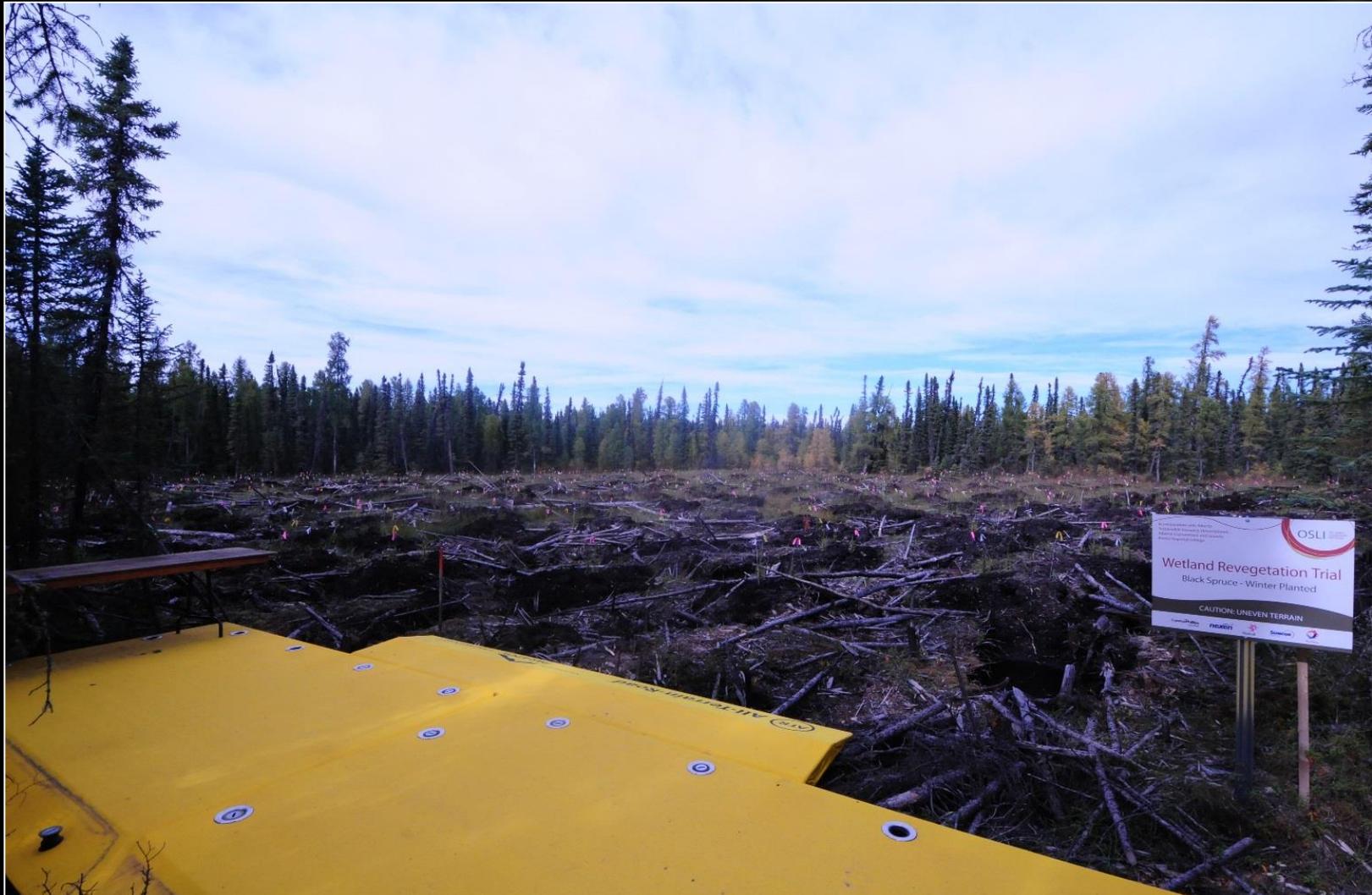
Innovation – Wood Chip road



Innovation- Geocells



Innovation – Wetland Restoration



Innovation- Tree planting



Vieworx



Construction



Services



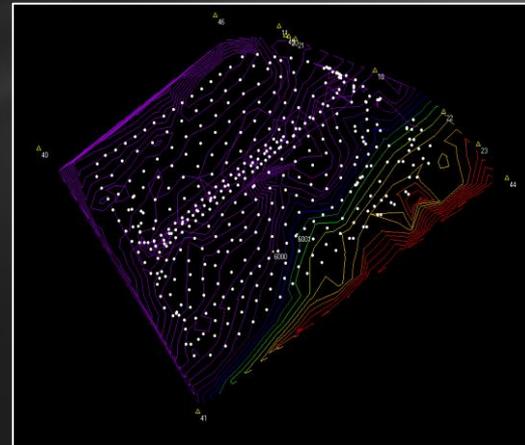
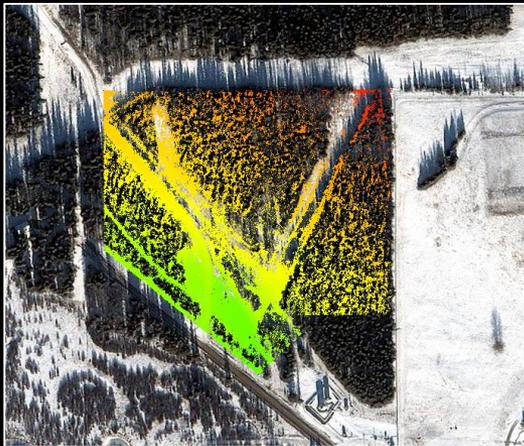
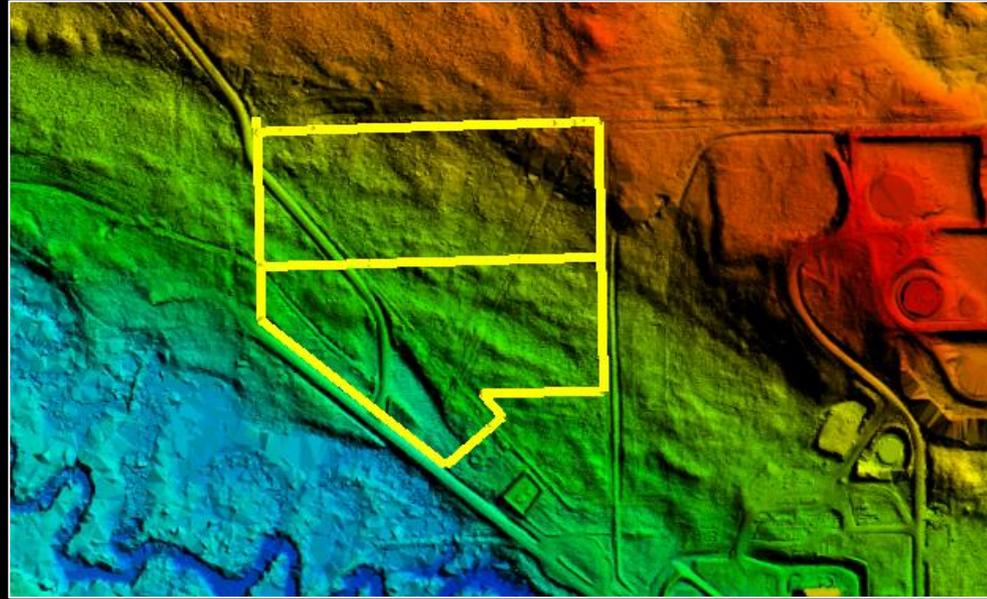
Plan



Implement



Deliver



Plan

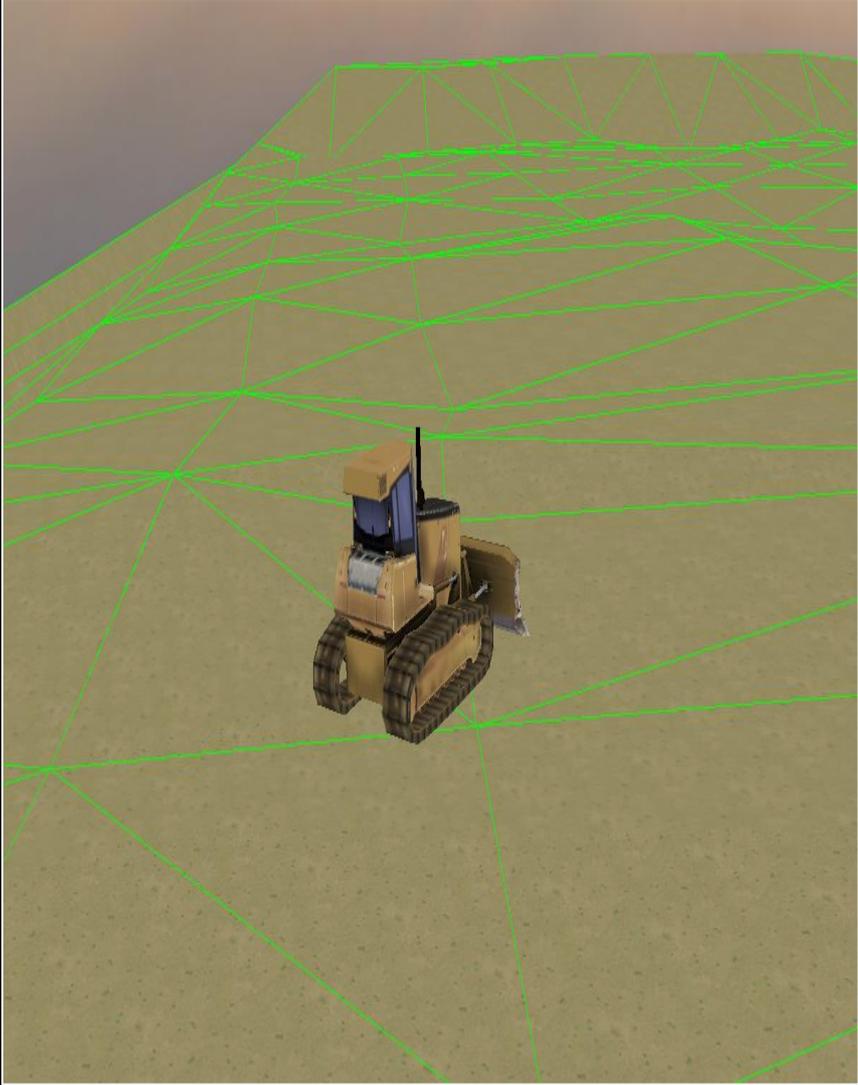


Implement



Deliver

Digitally – Driven Construction Tools



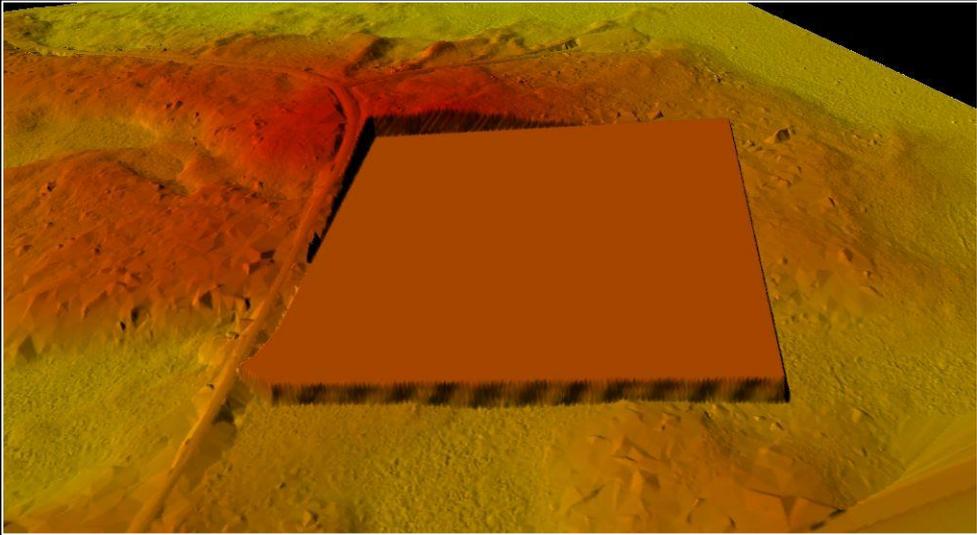
Plan



Implement



Deliver



Summary

- LiDAR offers many advantages over traditional surveying techniques.
- LiDAR produces fine spatial resolution necessary for many applications .
- Vieworx Geophoto has the innovative tools to deliver highly accurate, cost- effective products.

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