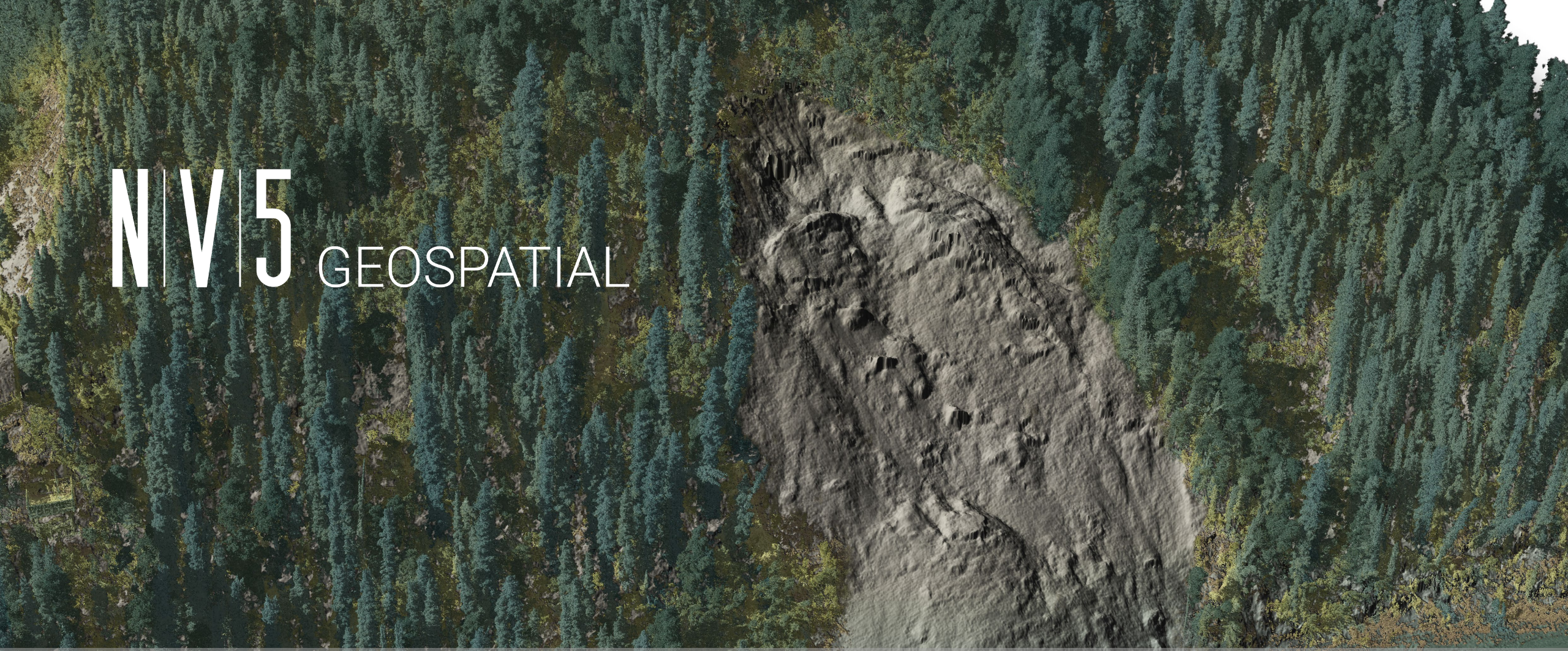

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Innovations in Alaska Remote Sensing Applications

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REMOTE SENSING INNOVATIONS

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What are the factors driving innovation in how we are collecting and delivering lidar today?

- Sensor capabilities: higher powered lidar, larger area footprint imagery
- Platform options: fixed wing, helicopter, UAS
- Sensor combinations: Topographic/Bathymetric Lidar, Ortho/Oblique Imagery and specialized sensor technologies Thermal/Hyperspectral
- Consider data objective

FIXED WING AIRCRAFT

- Large Area
- Remote Locations
- Medium Resolution

TOPOGRAPHIC LIDAR

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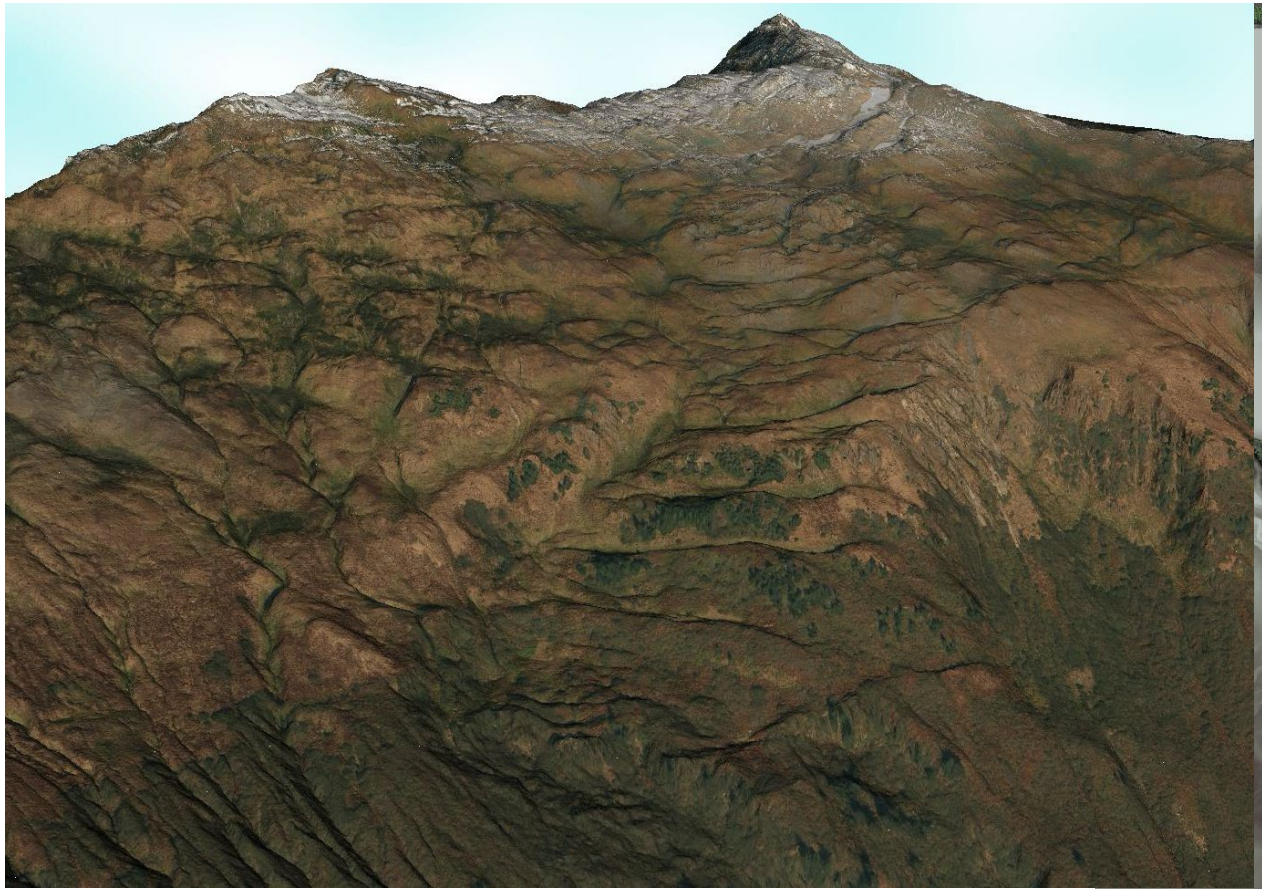
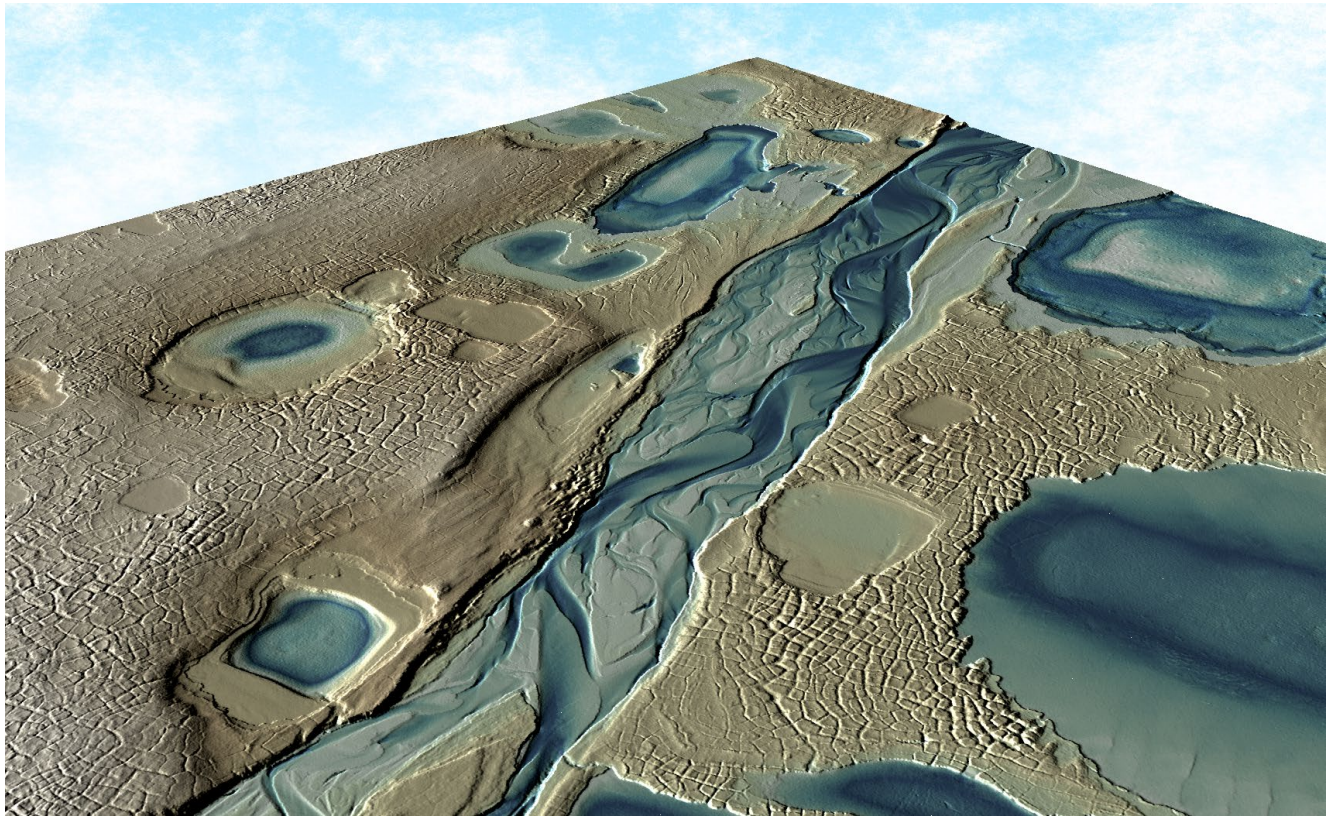


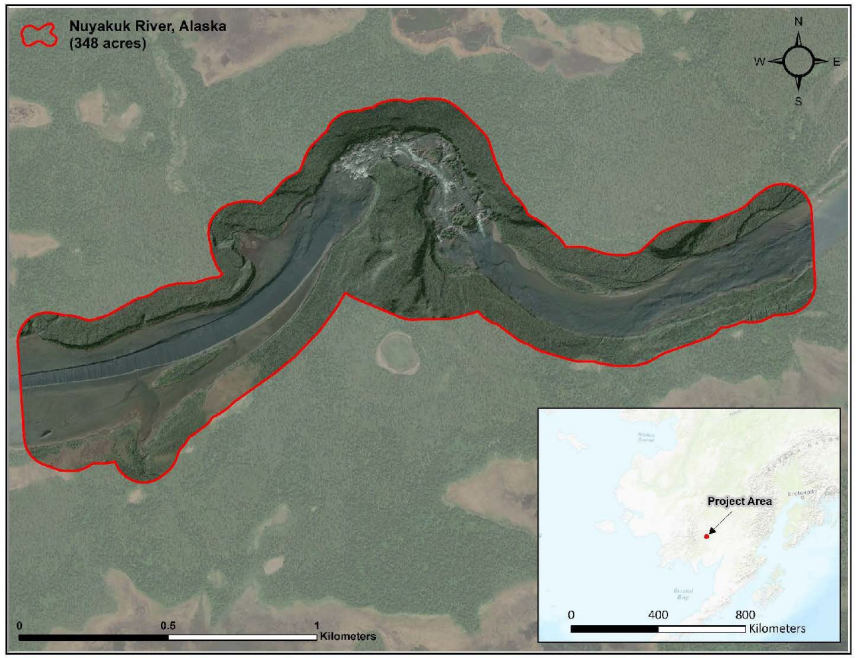
Juneau

Fairbanks (Tanana River)

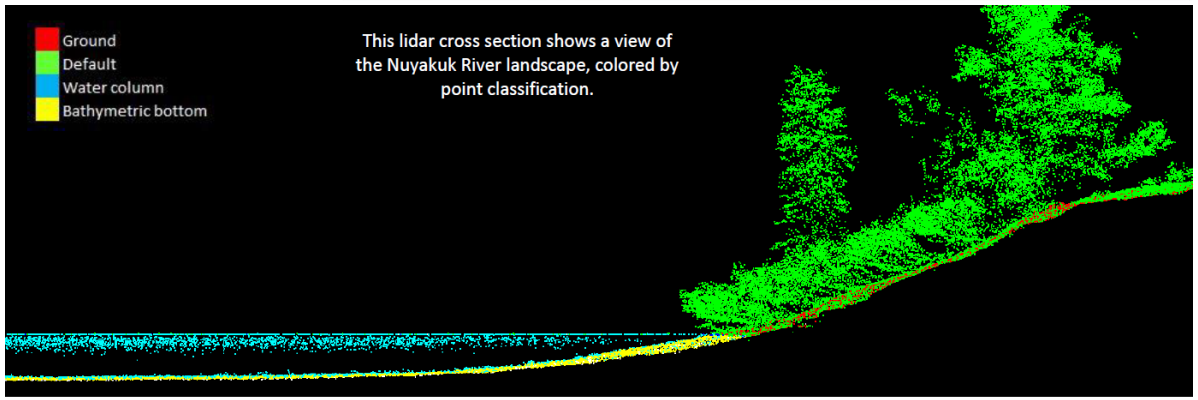
TOPOBATHYMETRIC LIDAR



North Slope



Nuyakuk River



ROTARY WING

- Corridor
- High Resolution
- Multi-Sensor Combinations

INNOVATIVE COLLECTION METHODOLOGY

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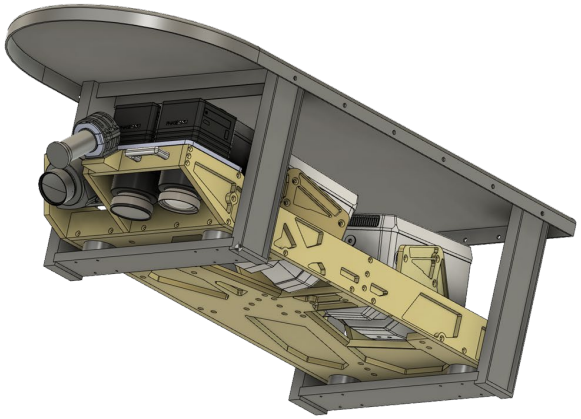
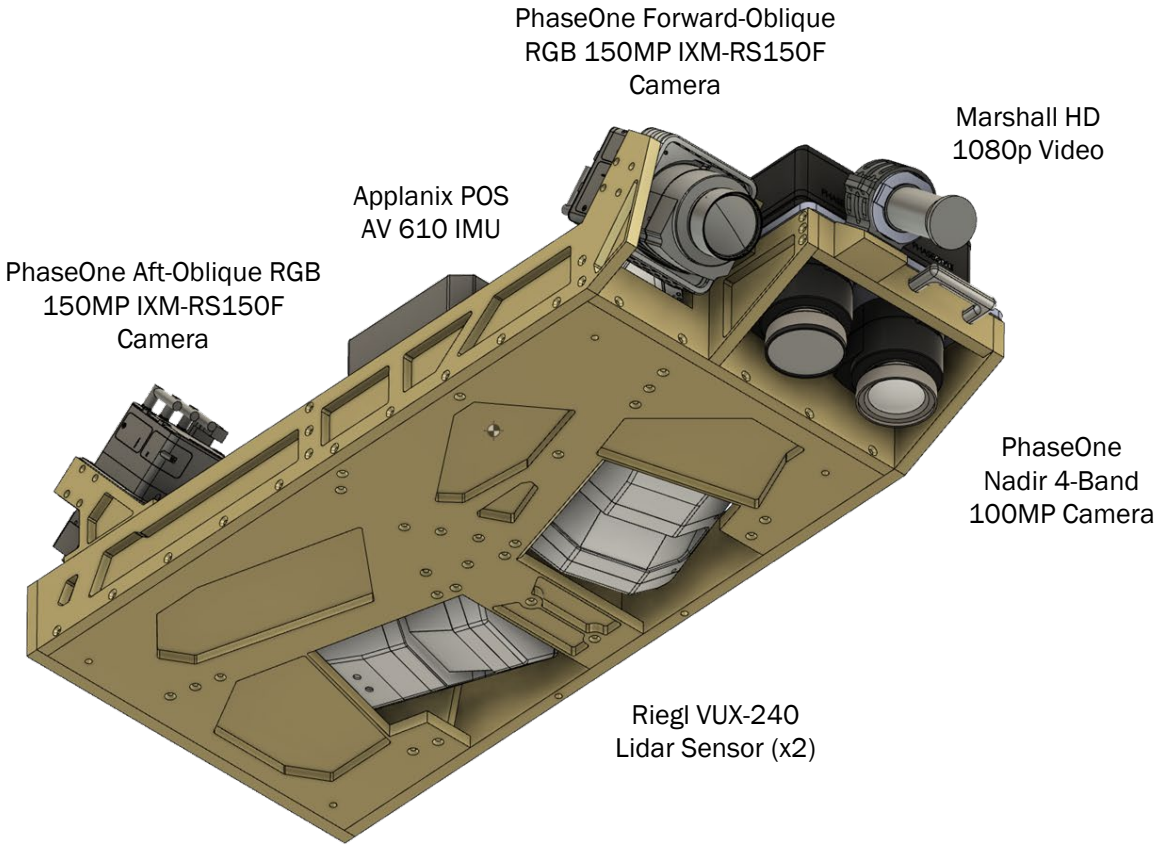
High-Accuracy, High-Resolution Sensor Suite for Corridor Mapping





ELECTRIC UTILITY APPLICATIONS

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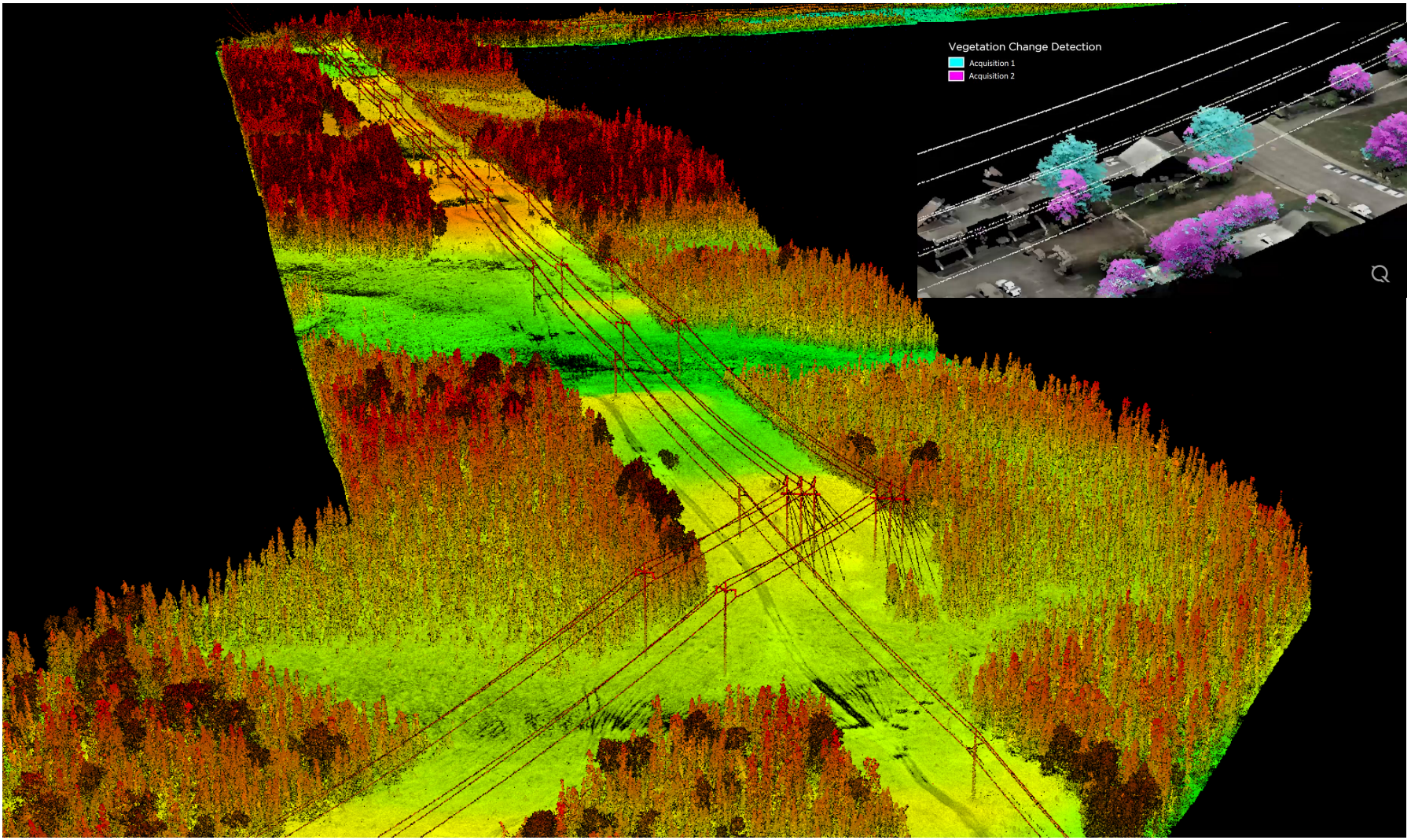

INFRASTRUCTURE ANALYSIS

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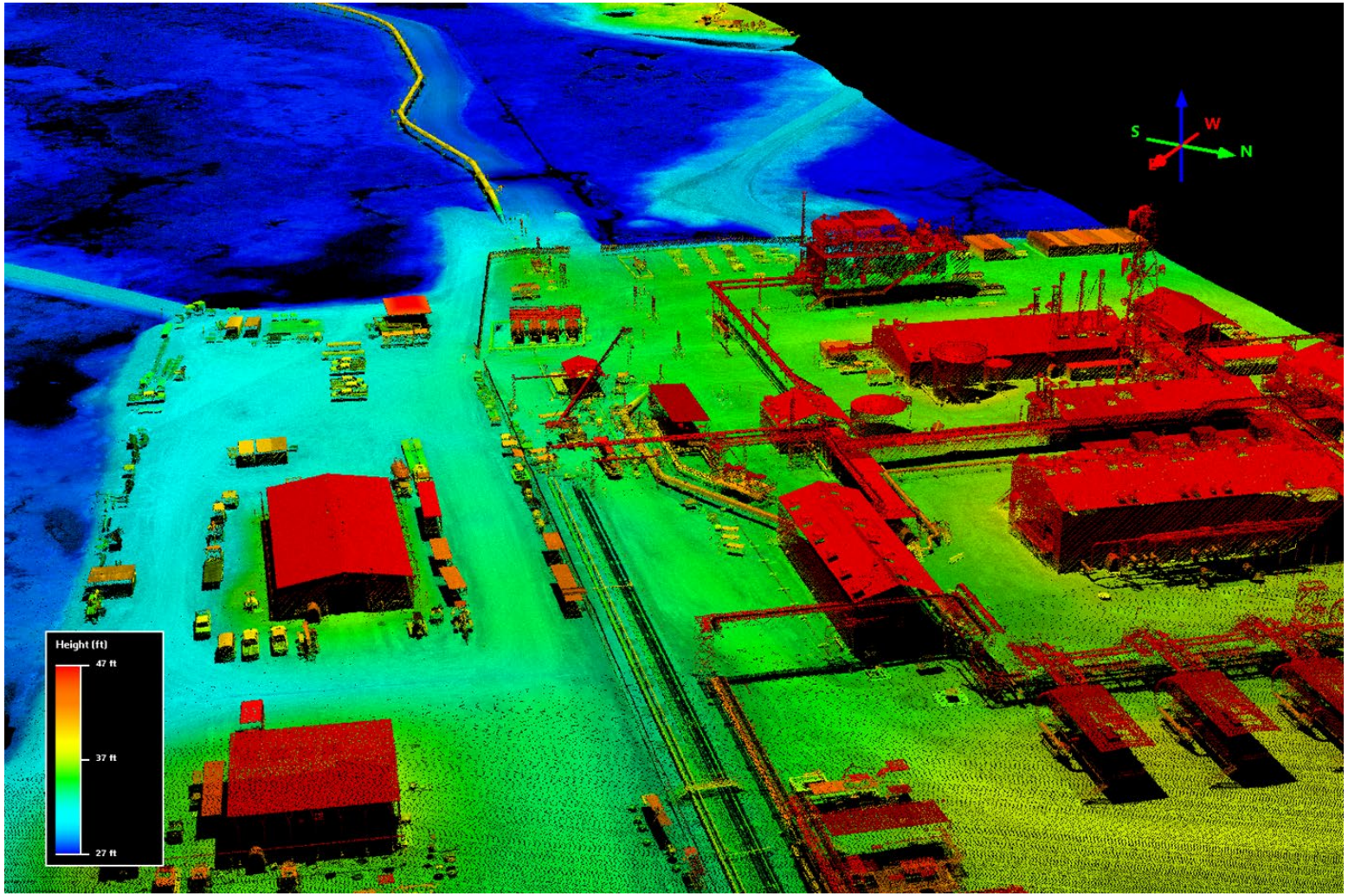
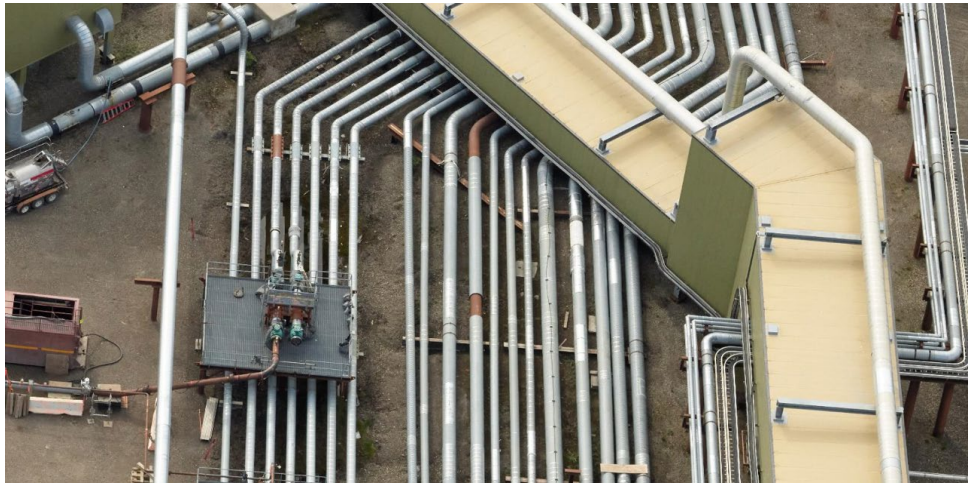
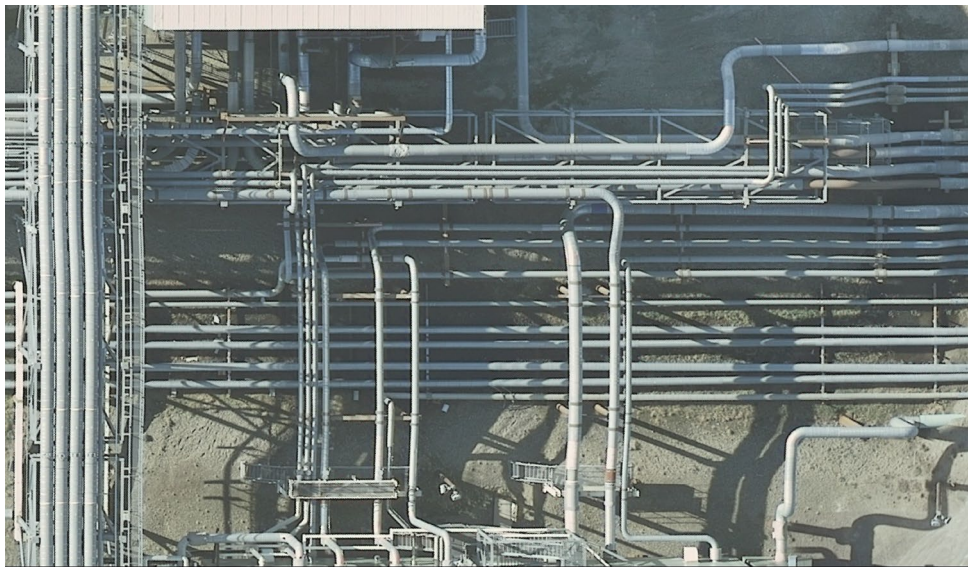
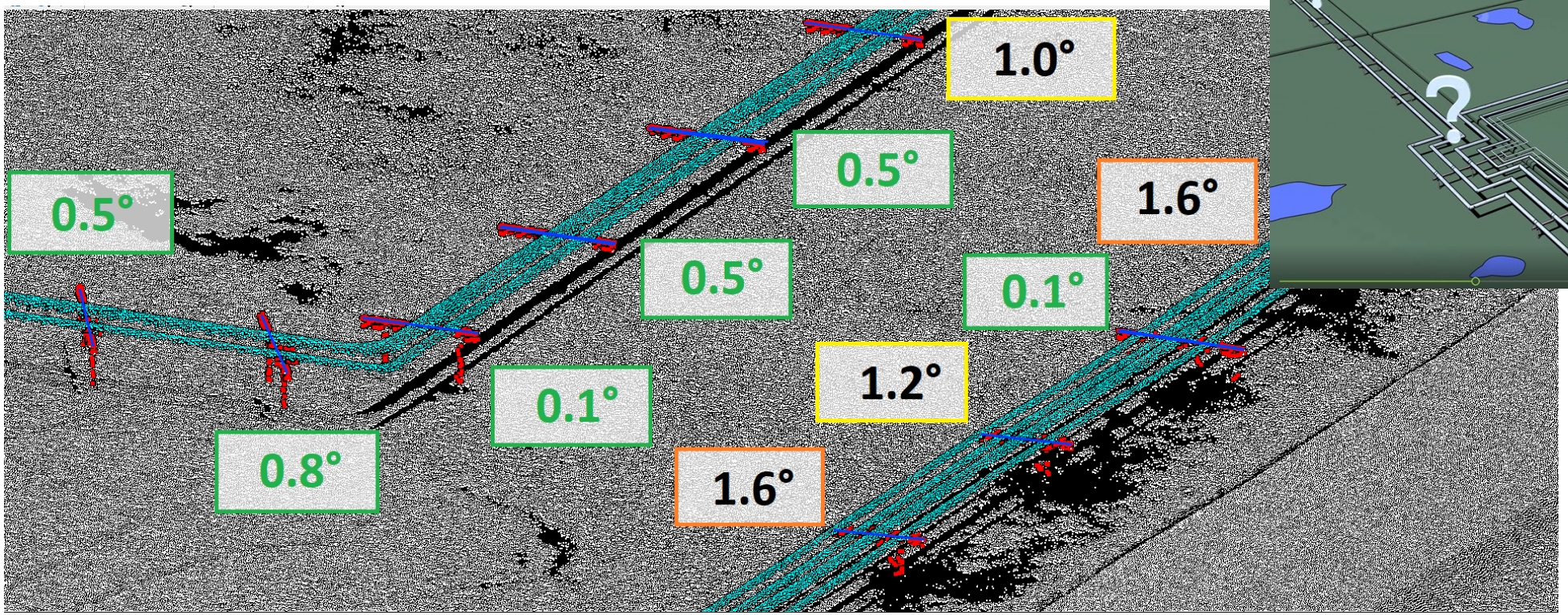
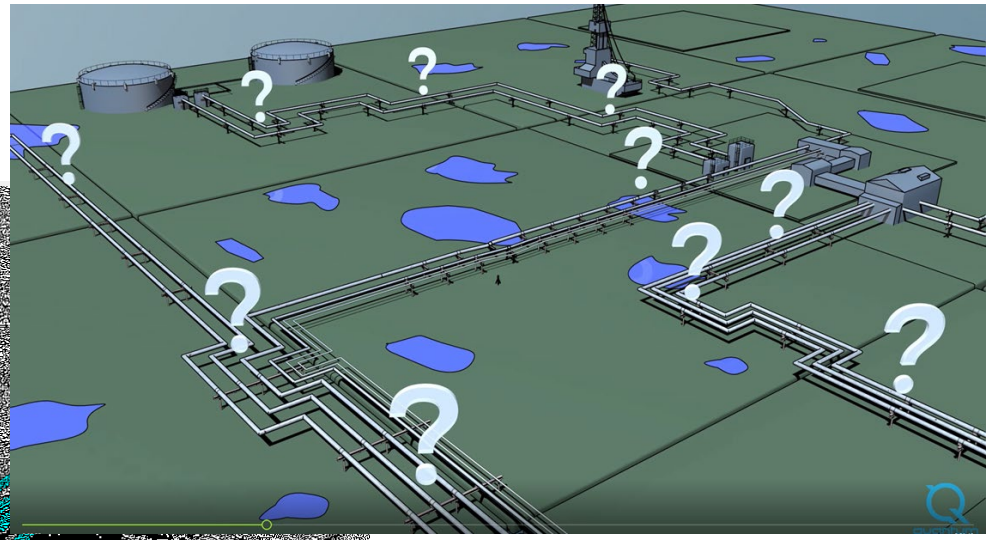






ANALYTICS

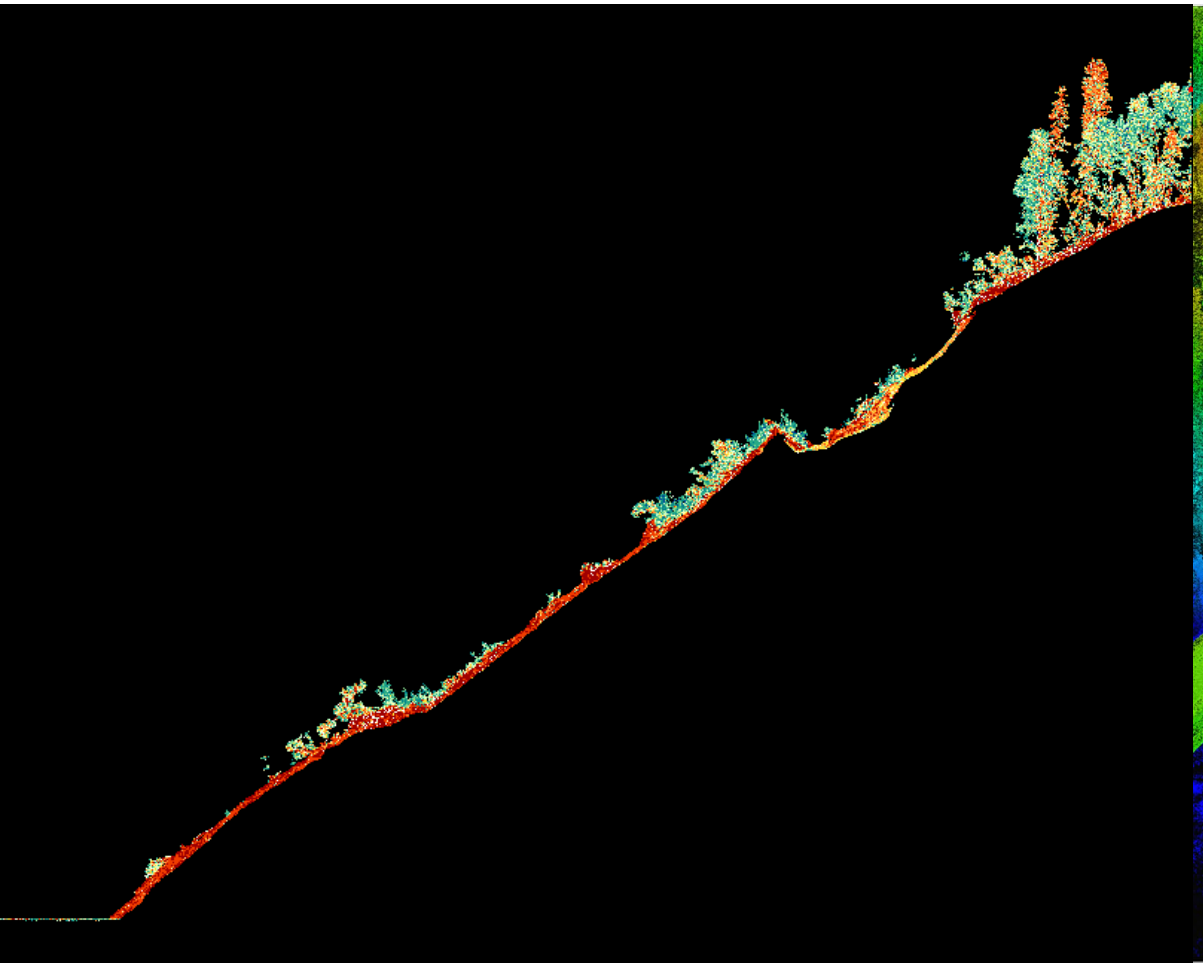


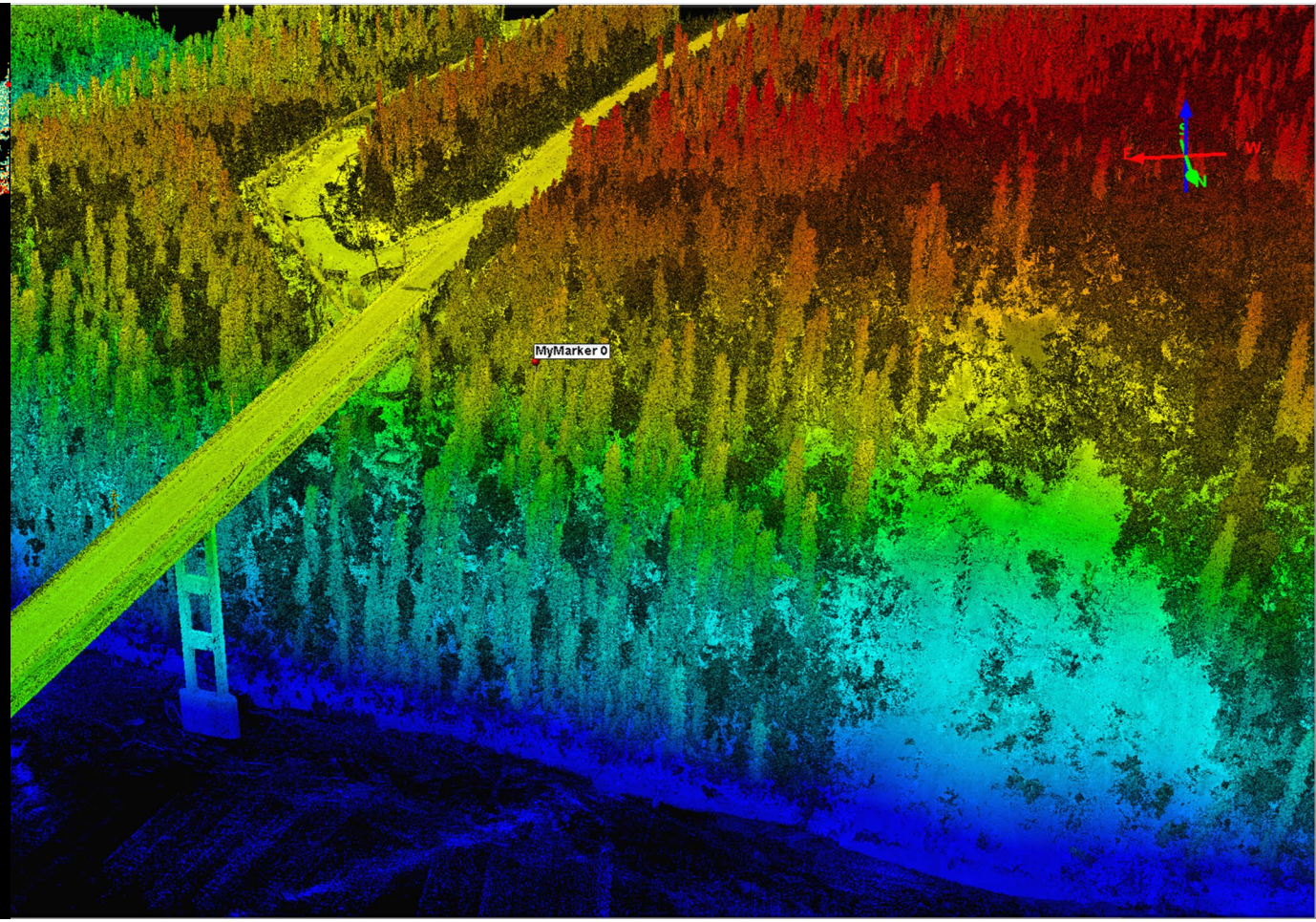


UAS

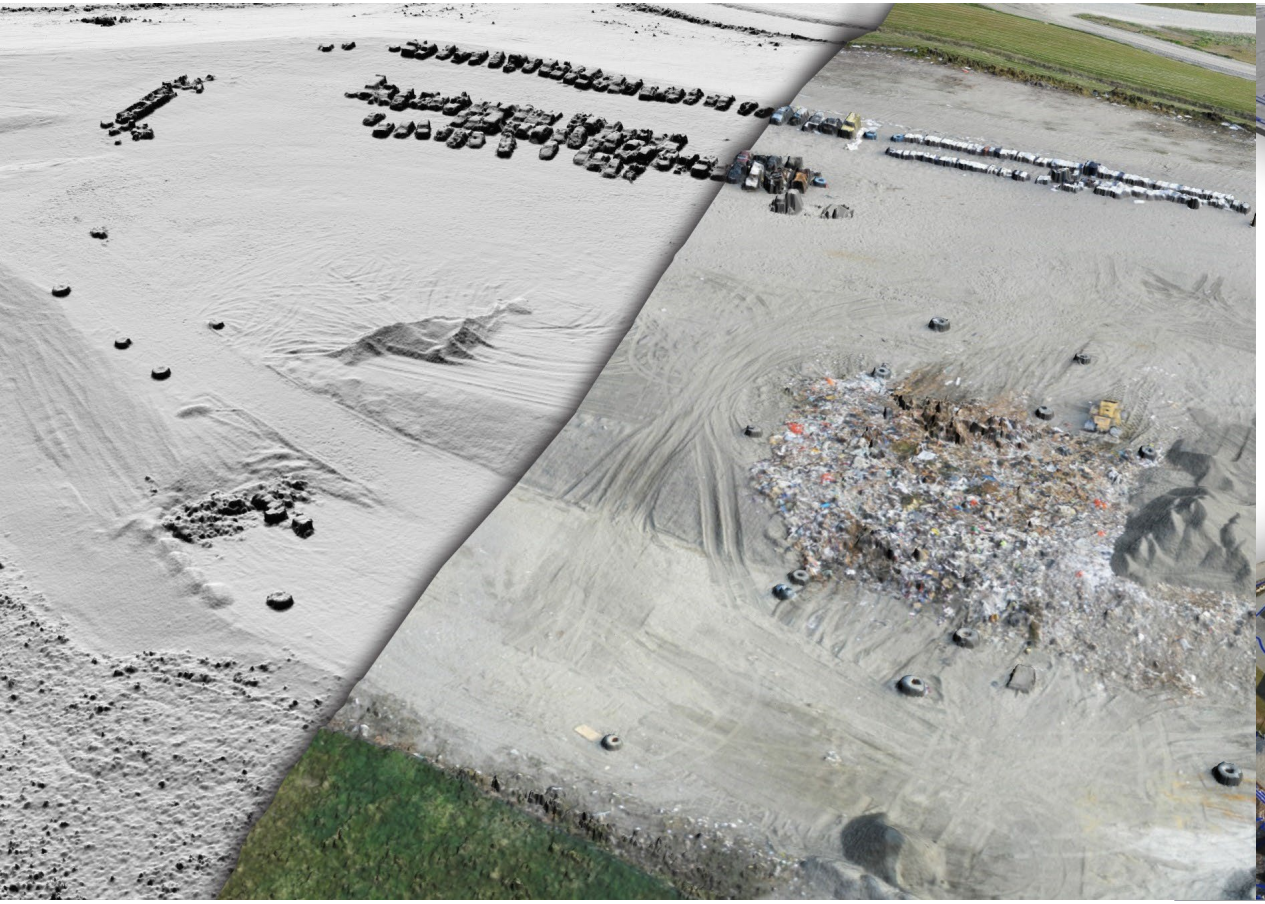
- Small Area
- Ultra High Resolution
- Versatility

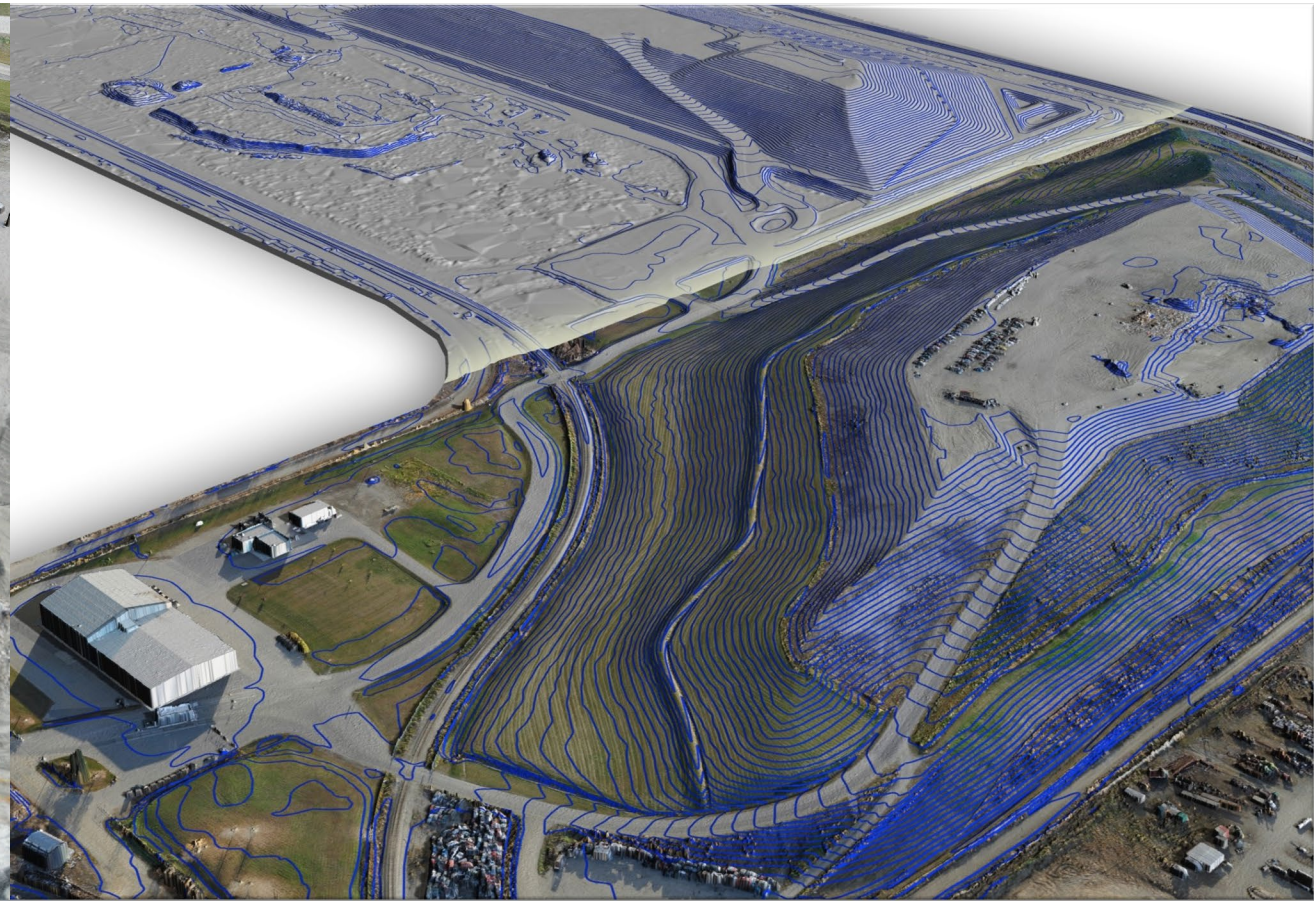
UAS LIDAR



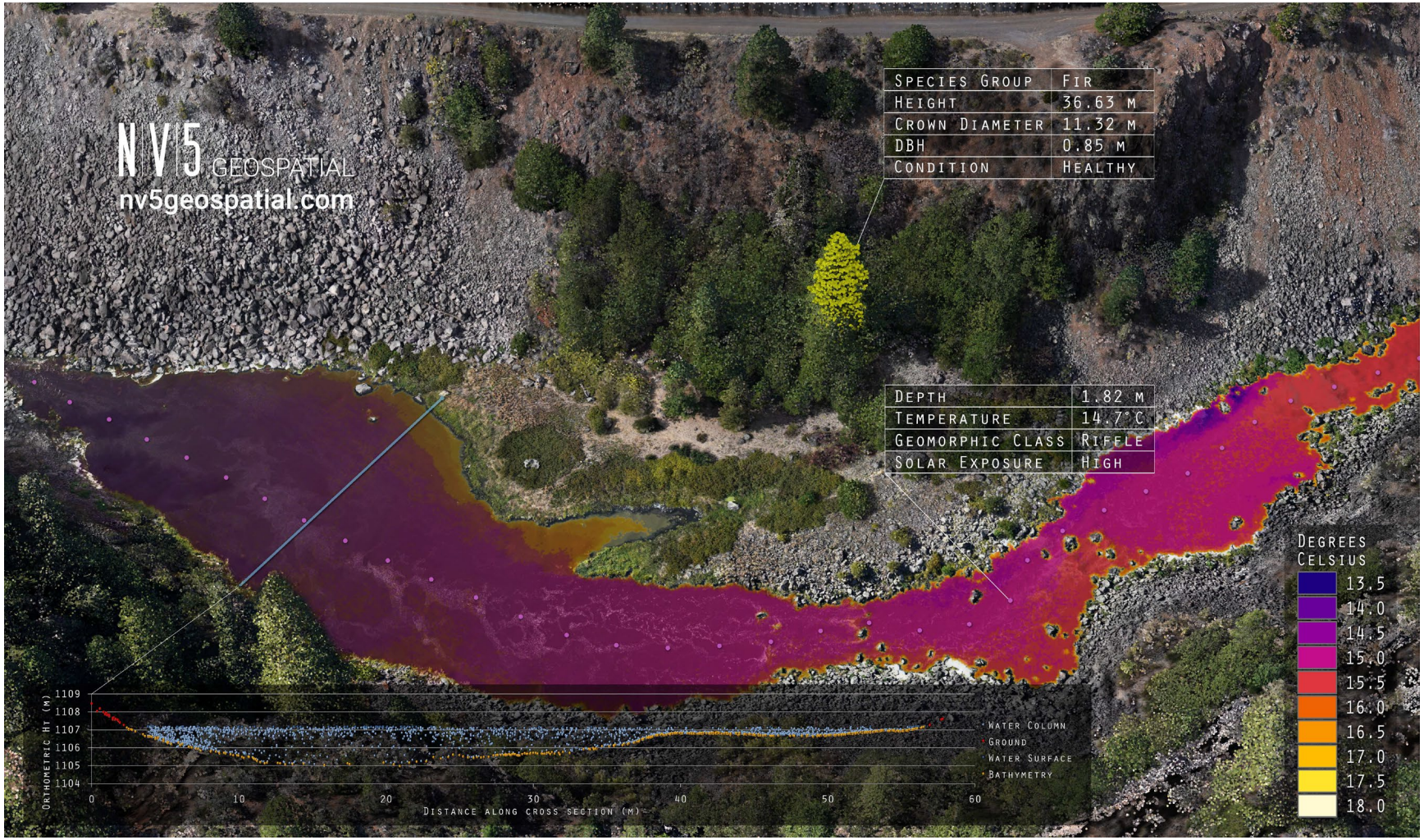


UAS IMAGERY

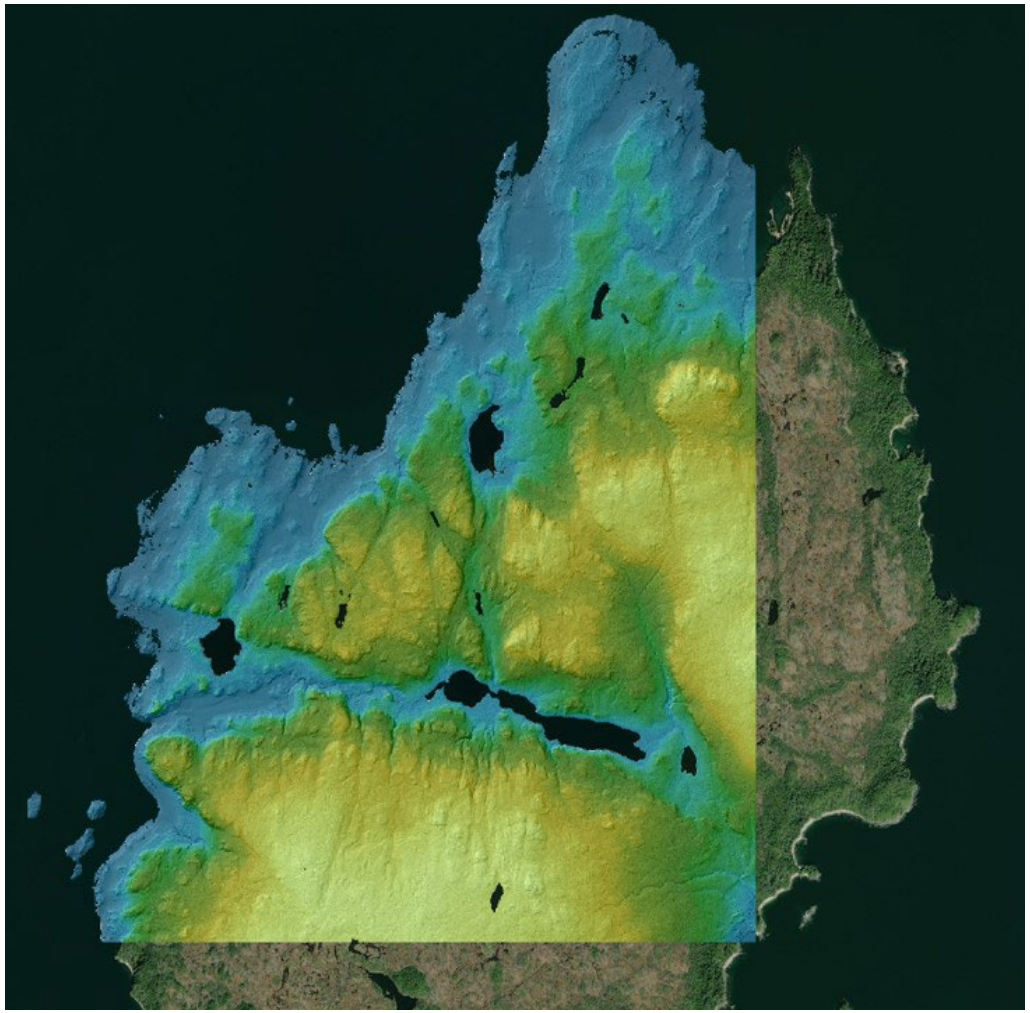




DATA SYNTHESIS



CONCLUSIONS



Sensor technology matched with capable platforms are accelerating our ability to collect, analyze, and deliver geospatial data.

Plan your data objective. Then select the most effective tools to deliver the best results.

Ask questions. Get creative.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QUESTIONS?