



OUR MISSION



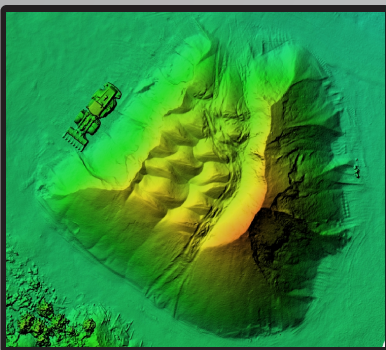
- ✦ Our mission is to harness the power of **advanced image analytics** and **multi-sensor UAV** technology to provide custom **end-to-end solutions** for your projects.
- ✦ We provide a **local source of multi-sensor UAV** equipment and expertise for Northern Canada.
- ✦ We develop innovative UAV imagery solutions to assist in **solving Northern problems**.



WHY CHOOSE US ?

- ✦ Our experience executing UAV surveys in a wide **variety of terrains and weather conditions** allow us to acquire your imagery **efficiently and safely**.
- ✦ We approach UAV survey design from the end-users perspective and ask the right questions:

How will the image data be used in a decision-making work flow?
What value-add imagery products will most benefit an organization and solve site problems?



- ✦ We design surveys at the scale that will most **impact your project**.
- ✦ We prioritize follow-up to help you **maximize value** from your imagery
- ✦ Insured and Transport Canada certified

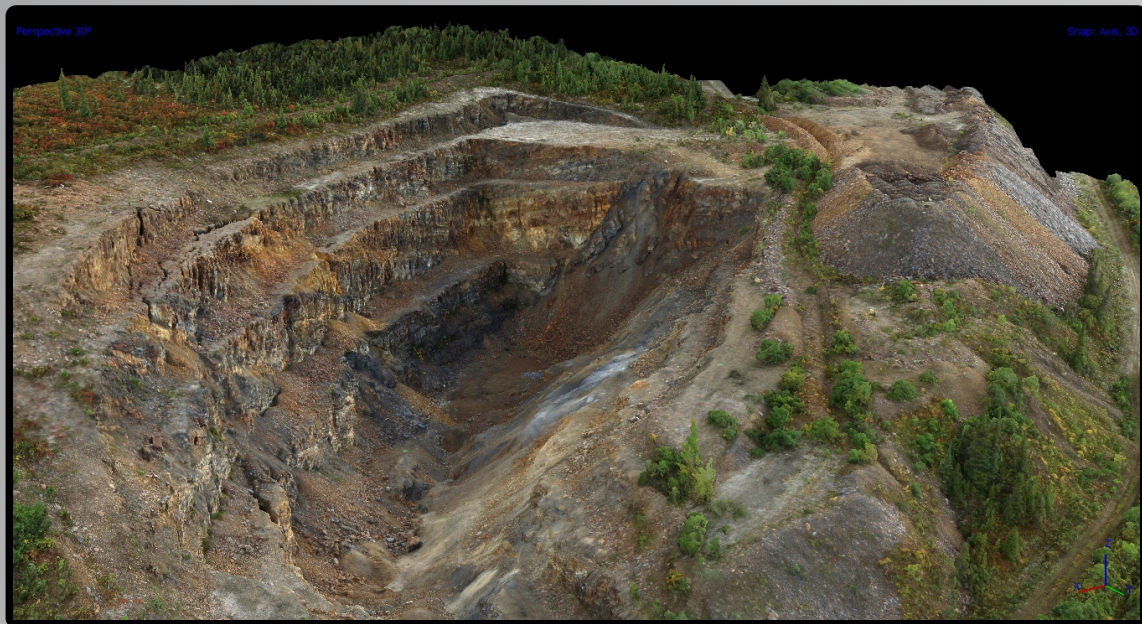




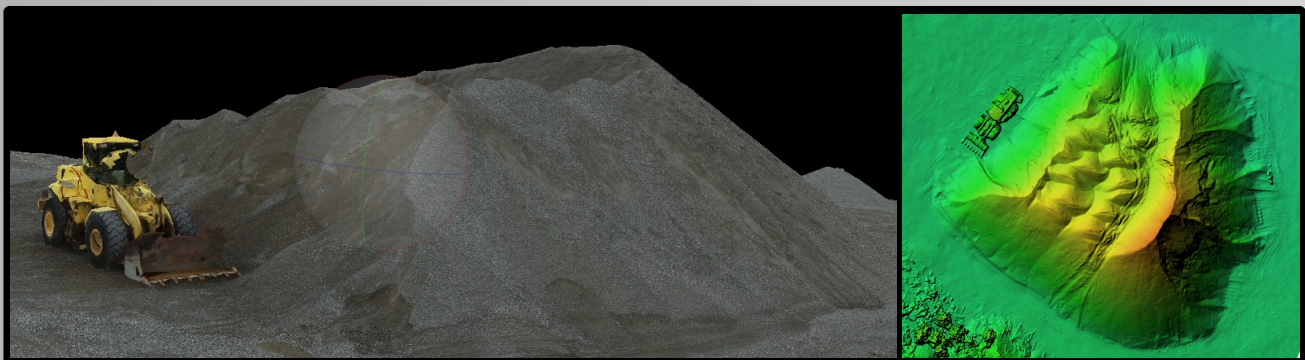
PHOTOGRAMMERTY SERVICES



- ✦ High resolution Orthophotography, Digital Elevation Models (DEM) and 3D models are becoming an increasingly becoming key components of projects that **improve efficiency** and **guide better decision-making**
- ✦ Applications ranging from archeology and heritage preservation to construction management & mining are harnessing the power of high accuracy, high resolution imagery derived from UAV photogrammetry.



- ✦ We offer a variety of **UAV photogrammetry** services from image acquisition to customized image analysis that harnesses the power of machine learning to generate value to projects.
- ✦ We offer a combination of **PPK/RTK UAV photogrammetry** platforms and **direct georeferencing platforms** that integrate IMU/GNSS positional data in the final photo datasets.



- ✦ We also offer **training** and **general information sessions** of why and how to best implement UAV photogrammetry into your workflows.

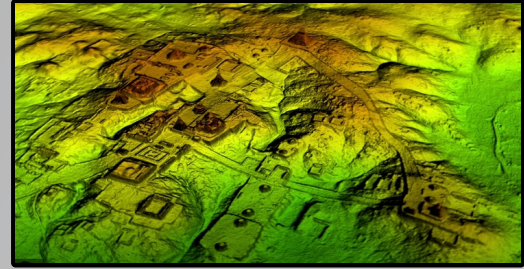




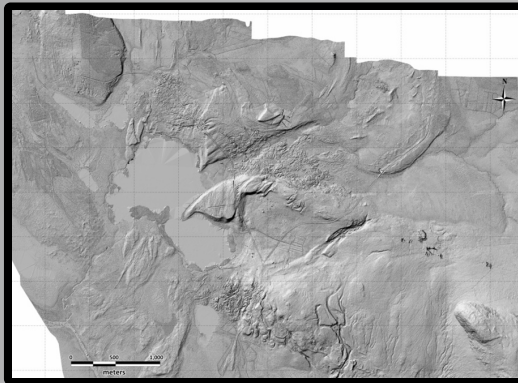
LiDAR SERVICES

✦ **LiDAR technologies** are playing an increasingly **pivotal role** in our lives from self-driving vehicles to mapping Mayan civilizations

✦ Minaturization of this technology to enable UAV mapping capabilities is revolutionizing our access to powerful **3D Big Data**.



✦ We offer **integrated photogrammetry and LiDAR image fusion services** for a wide variety of applications in archeology, forestry, highways maintenance, permafrost monitoring and the construction and mining sectors.



Talk to us today about how our LiDAR UAV services can help you



UAV VIDEOGRAPHY

✦ We provide a range of **videography services tailored to meet your project needs** whether it be for real estate purposes, documenting heritage and construction sites or promoting your mineral exploration project.





IMAGE PROCESSING ANALYSIS

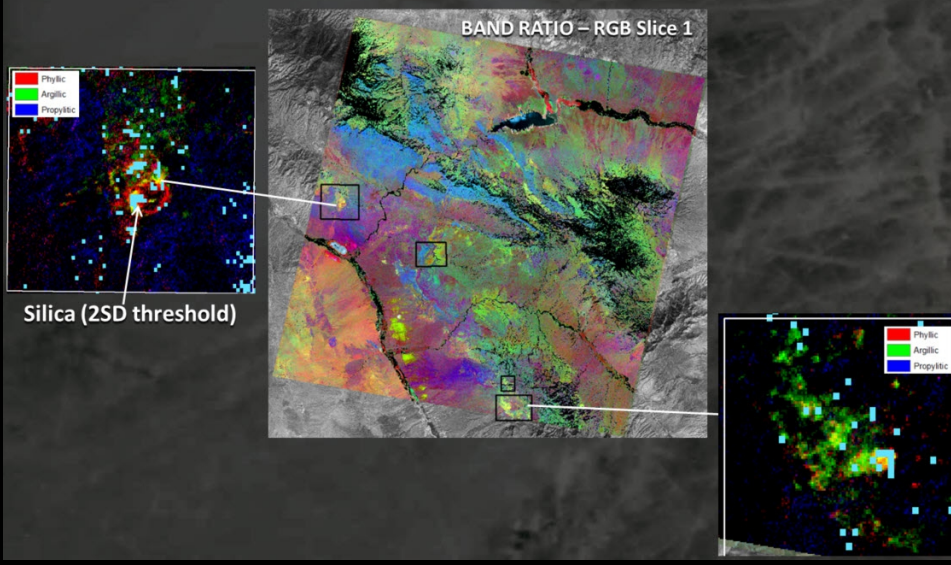
✦ Interested in **adding value** to your imagery datasets?



✦ We offer a range of **image processing and image analysis services** for a variety of sensor types including multi- and hyperspectral imagery, LiDAR and orthophotography data.

RGB VISUALIZATIONS

Each RGB slice was evaluated in terms of **mineral zonation trends** depicted by the resultant ASTER **thresholds** and **RGB slices**.



Talk to us about your imagery data today

CONTACT:



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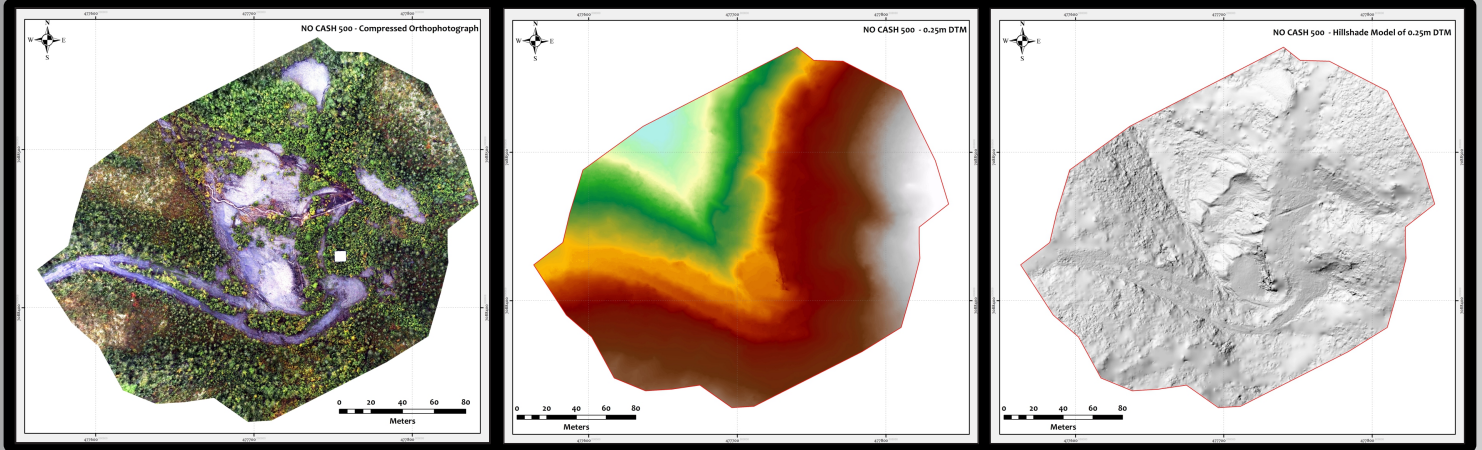


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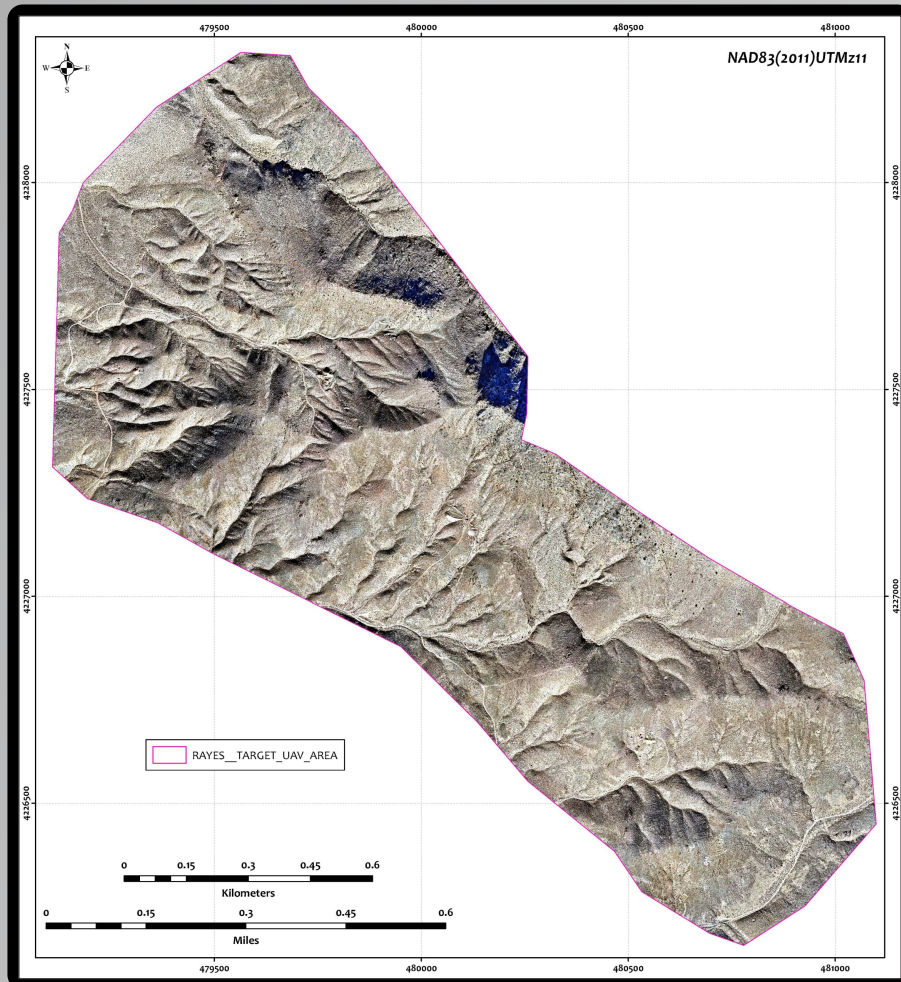


EXPLORATION AND MINING APPLICATIONS

HIGH RESOLUTION ELEVATION MODELS FOR RECLAMATION



EXPLORATION BASEMAPS





UAV IMAGERY GENERATION WORKFLOW FOR GEOLOGICAL MAPPING

DRONE NORTH
Products and Services

PPK UAV AERIAL MAPPING SYSTEM

1. PLAN + EXECUTE DRONE MISSIONS



2. SITE PROCESSING AND GENERATION OF BASE MAPS

Drone Survey Area

8.07 m

1.92 m

Very high resolution geological mapping base

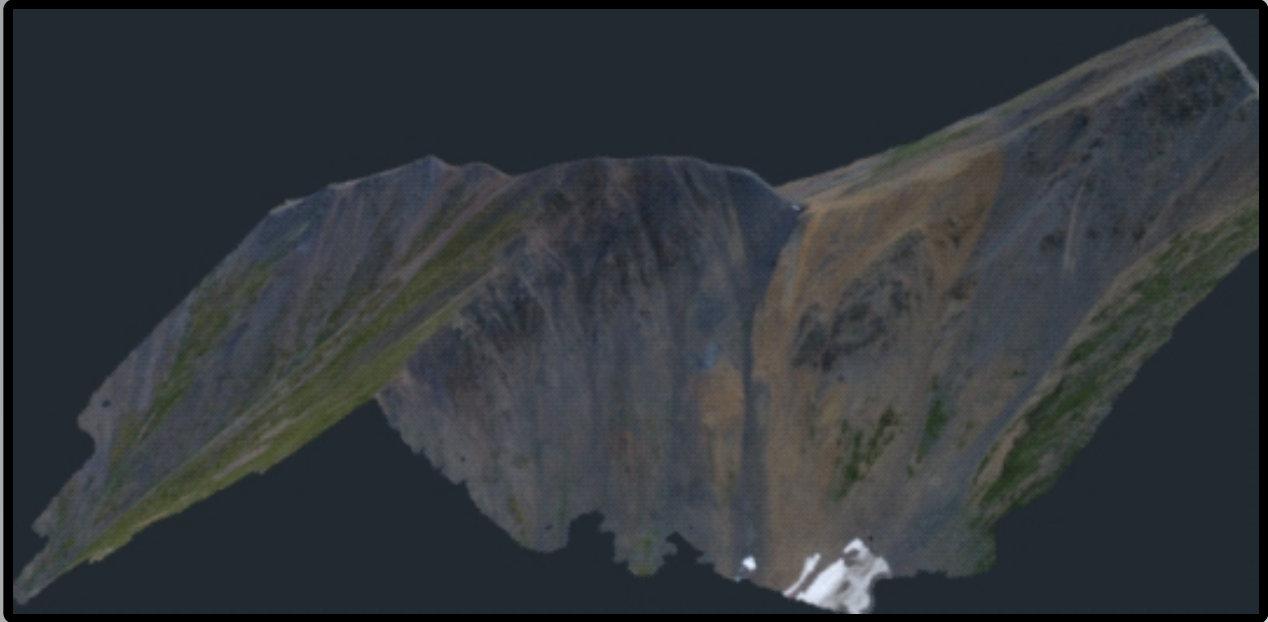


3. TRANSFER BASEMAPS TO TABLET MAPPING SYSTEM

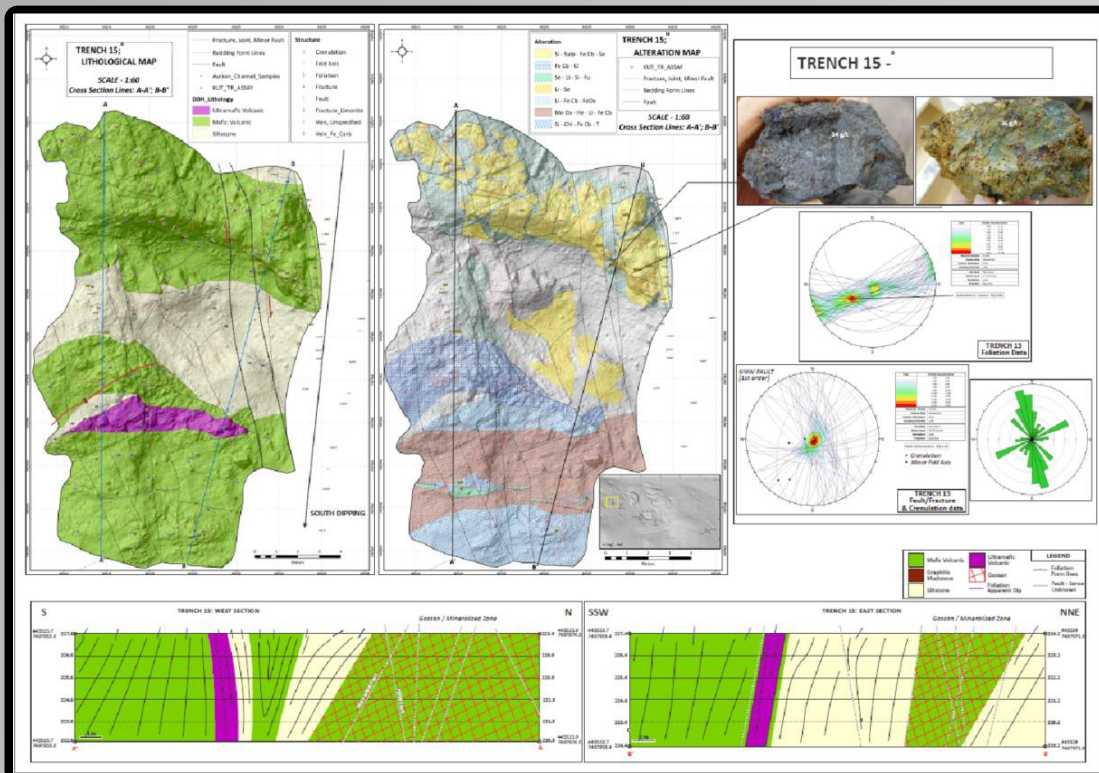


EXPLORATION AND MINING APPLICATIONS

3D MODELLING AND ANALYSIS OF INACCESSIBLE TERRAIN



TRENCHING BASE MAPS



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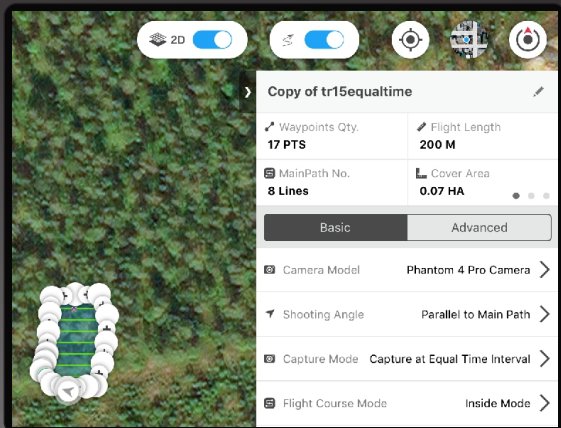


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TRENCH MAPPING WORKFLOW - HIGH RESOLUTION PHOTOGRAMMETRY APPLICATION

1. SURVEY PREPARATION



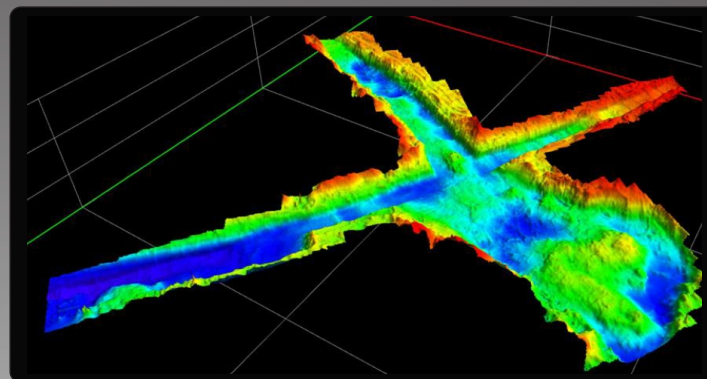
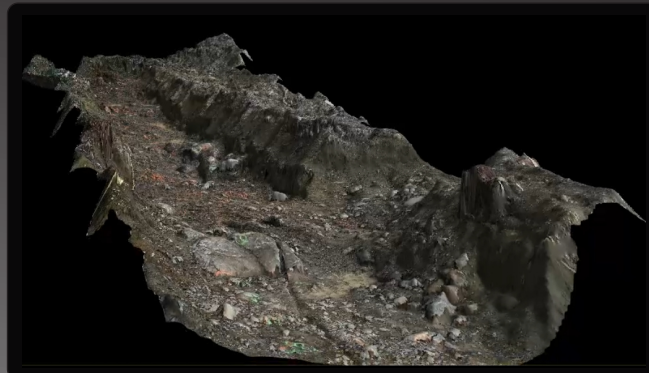
Mission Planning and
GCP Layout

2. IMAGE ACQUISITION

20Mp Camera with
Global Shutter on P4P UAV system

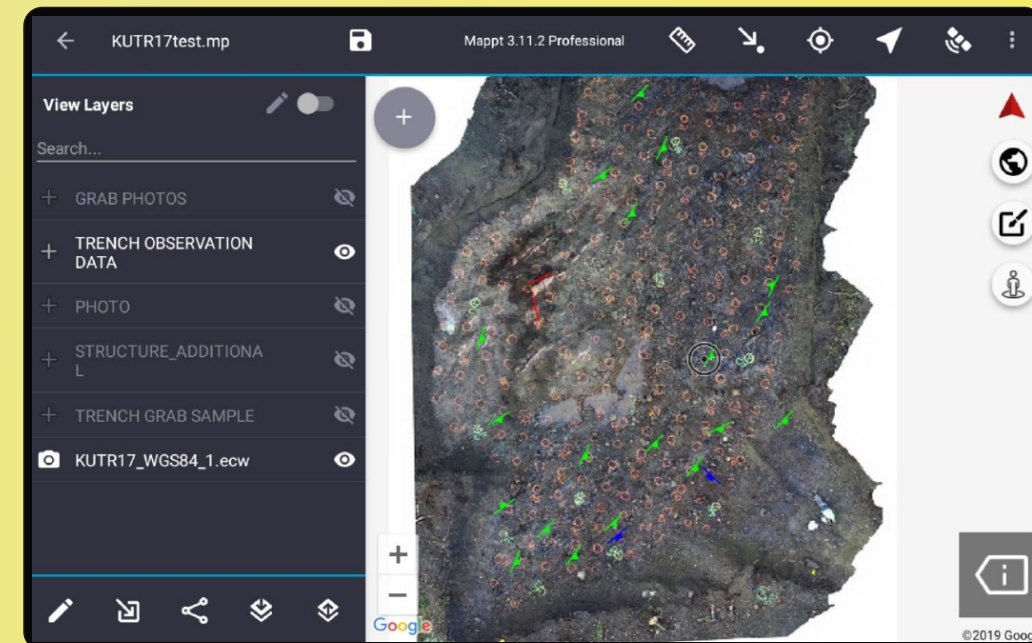


3. IMAGE DATA PROCESSING



Generation of high accuracy
orthomosaics and DEMs

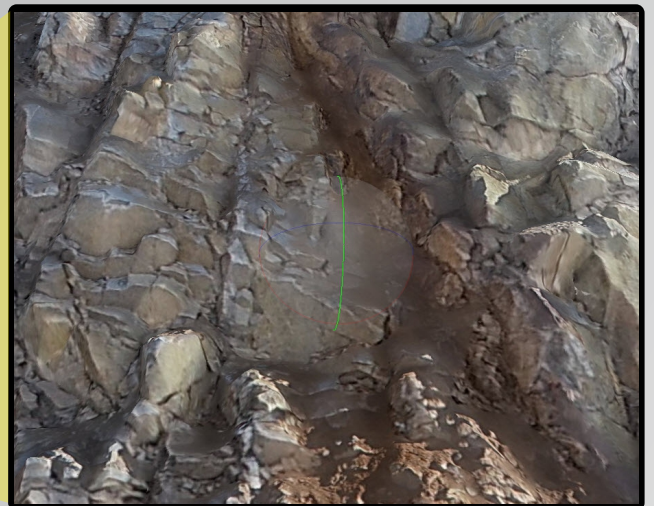
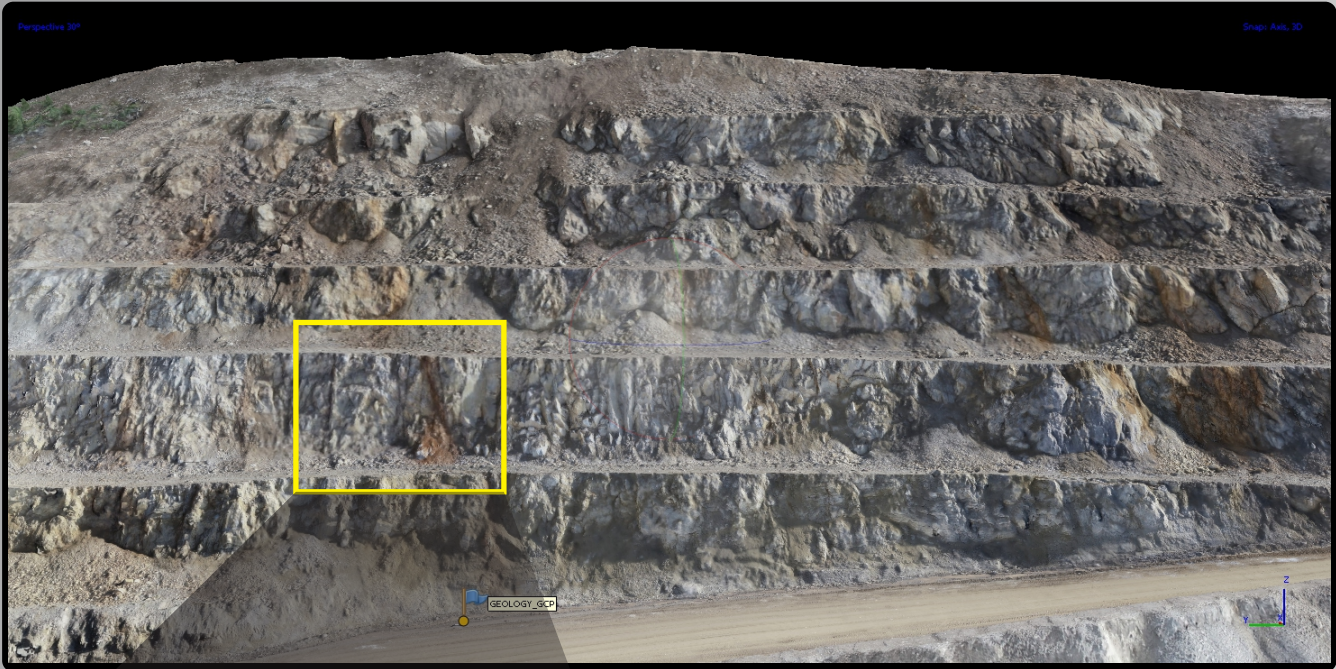
4. OUTPUT FOR DIGITAL MAPPING





EXPLORATION AND MINING APPLICATIONS

PIT WALL MAPPING AND GEOTECHNICAL WORK



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