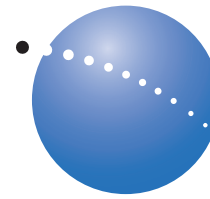


Satellite Surveying for Mining Exploration



PhotoSat™
Leaders in Satellite Surveying
for Mining and Energy
www.photosat.ca

High Detail Surveying: 15-30 cm Accuracy Satellite Survey

PhotoSat has invented a process that produces surveys (DEM) from satellite photos which have vertical accuracies better than 20 cm. These Engineering grade surveys can be used throughout the projects' life.

Used by Geologists and Engineers for:

- PEA, PFS, and 43-101 base maps
- Reserve & resource estimates
- Structural geology and 3D modeling
- Road, camp, and infrastructure planning
- Drill site planning

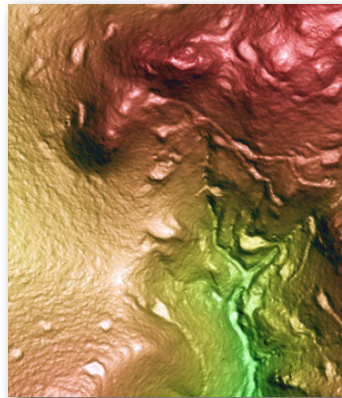
Why they use satellite surveying:

- Shortens timelines and eliminates surveying delays
- Cost-effective and faster alternative to LiDAR, drones, and ground surveying
- Surveying can be produced anywhere in the world, no permits or site access is required
- Fast data delivery - hundreds of sq km in weeks

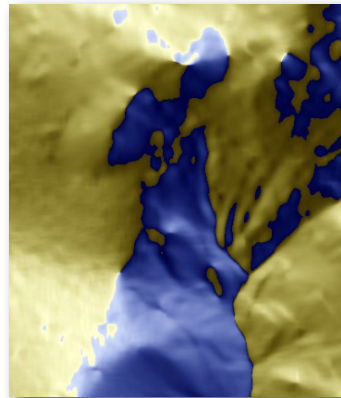
Satellite ortho photo



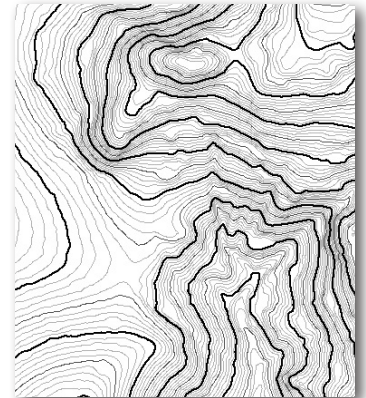
Colour elevation image



Slope direction (aspect)



50 cm contours



Deliverables:

- 1 m bare earth elevation grid (DTM)
- 1 m contours
- 50 cm satellite orthophoto
- Colour elevation image
- Slope direction (aspect) image
- Any projection, any datum, matched to legacy surveying

Regional Mapping: 2 m Accuracy Satellite Surveying

For larger project areas PhotoSat offers a 3 m elevation grid (DEM) with 2 m vertical accuracy produced from 1.5 m satellite photos.

Deliverables:

- 3 m surface elevation grid (DSM), accurate to 2 m
- 1.5 m satellite orthophoto



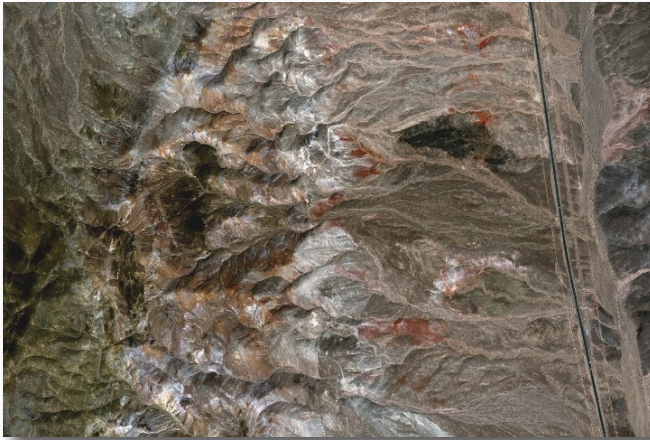
Over 900 international projects delivered

High Resolution Alteration Mapping

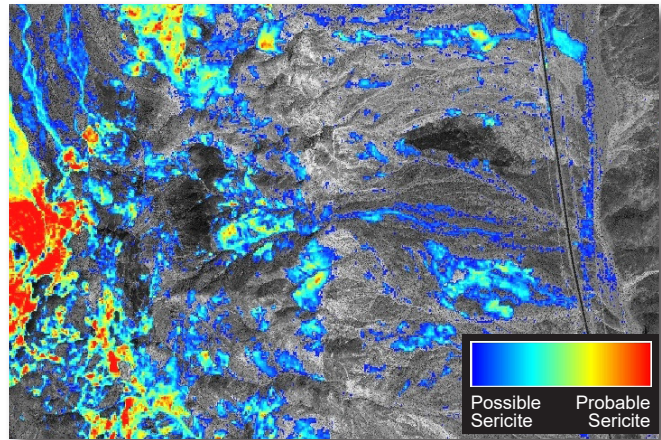
For detailed geological processing PhotoSat produces alteration mapping using DigitalGlobe's WorldView-3 satellite. This produces the highest resolution SWIR alteration mapping available from satellite photos.

Alteration package includes:

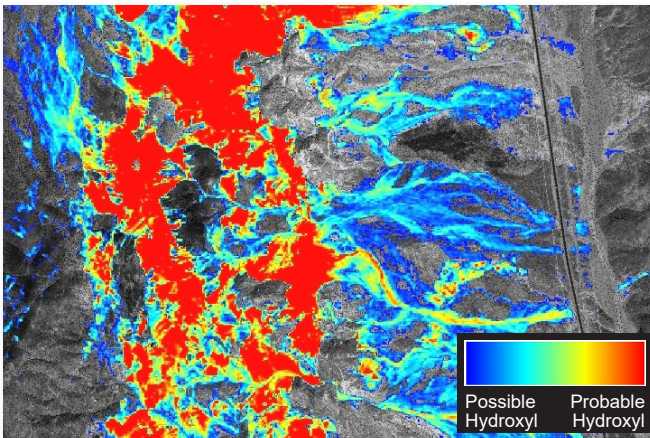
Colour image



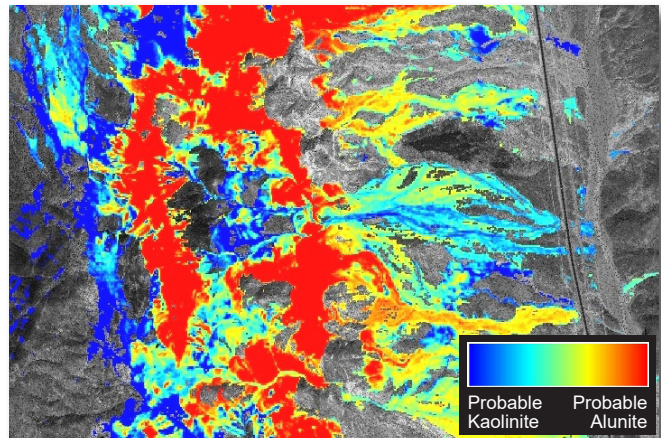
Sericite



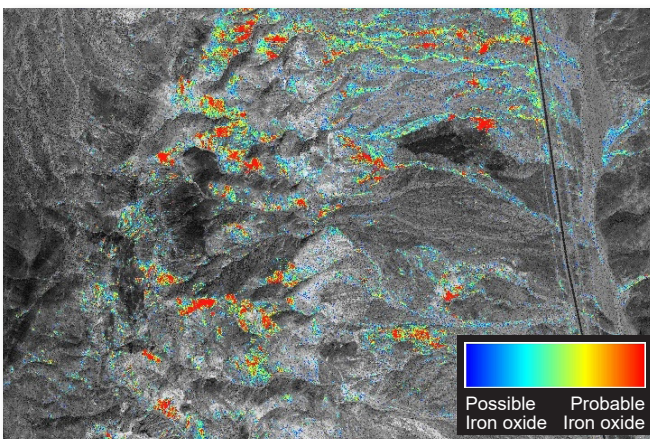
Hydroxyls



Hydroxyls: Kaolinite-Alunite



Iron Oxide



Regional Alteration Mapping

For larger project areas PhotoSat provides lower resolution alteration mapping using NASA's ASTER data. Satellite scenes are selected from a worldwide archive.

Advanced Products:

- Spectral matching
- Lithological enhancement