CLEARVIEW GEOPHYSICS

ClearView Geophysics Inc.

Brampton & Kirkland Lake, ON

Tel: 905.458.1883
Fax: 905.792.1884

general@geophysics.ca
www.geophysics.ca

Non-Intrusive Ground Investigations.

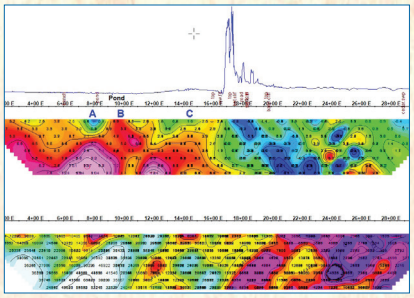
We specialize in ground-based geophysical methods such as:

IP/Resistivity, CSAMT, TDEM, Gravity, Magnetics, EM31/34/38/39/61, VLF, MaxMin, GPR, Seismic/MASW, Radiodection, 4-Pin Wenner & Resistivity Imaging.

Our core surveys for mineral exploration:

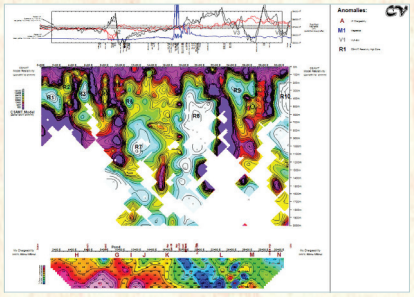
IP/Resistivity (Induced Polarization)

- Spectral parameters are useful for separating fine-grained/disseminated sulphides from coarse-grained/massive sulphides.
- High power *Walcer* transmitters are used for best surface and cross-hole survey results.



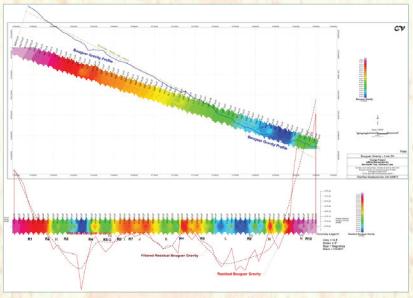
CSAMT (Controlled-source Audio-frequency Magnetotellurics)

- Images ground resistivity by collecting 'soundings' at each location, typically using 50-metre dipoles.
- Results are modeled and displayed as 'depth sections'.
- *Phoenix* transmitter and receivers are used with an AMT magnetics coil.



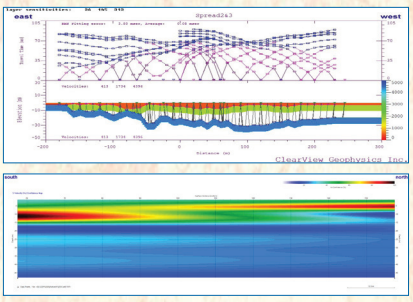
Gravity

- Bouguer Gravity are calculated from RTK GPS positioning and precise height-of-instrument measurements.
- Residual anomalies are defined.
- *Scintrex* CG-6 and *Trimble* R12i units provide exceptionally accurate readings in rough topography & terrain.



Seismic Refraction & MASW (Multi-Channel Analysis of Surface Waves)

- Depth-to-Bedrock is the main refraction application.
- Geotechnical parameters for Poisson's Ratio and Vs^{30m} come from MASW.
- *Geometrics* Geode seismograph with *Interprex* and *ParkSEIS* software are used to process and present the results.



continued on other side...

CLEARVIEW GEOPHYSICS

ClearView Geophysics Inc.

Brampton & Kirkland Lake, ON

Tel: 905.458.1883
Fax: 905.792.1884

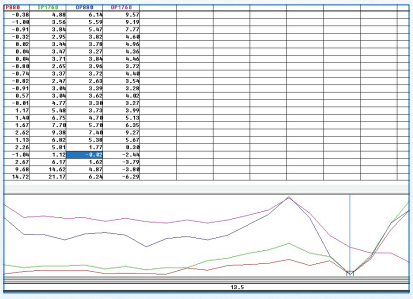
general@geophysics.ca
www.geophysics.ca

Contact CLEARVIEW so that we can design and apply these methods on your project.

...Core surveys continued from other side:

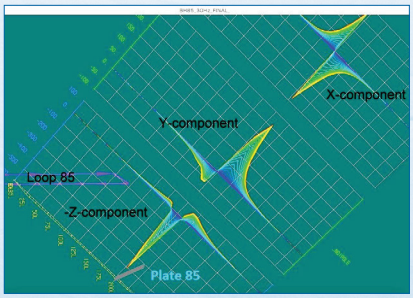
MaxMin & VLF-EM (HLEM & Very-Low Frequency Electro-Magnetics)

- Many frequencies and configurations are available with these frequency-domain instruments.
- Post-processing calculations produce depth sections from these data.
- *Apex Parametrics* & *Geonics* gear help refine airborne anomalies for drilling.



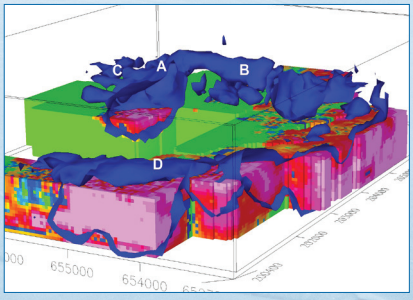
TDEM (Time Domain Electro-Magnetics)

- Surface surveys can be carried out using large fixed loops or smaller moving loops.
- We use *Geonics* 3D coils for surface and borehole surveys.
- *Lamontagne* software is used to model the results.



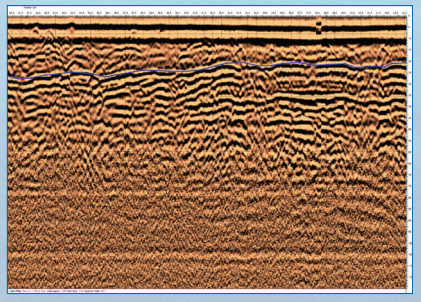
Magnetics

- The highest resolution magnetics data are collected from the ground surface.
- *UBC-GIF* 3D inversion software are used for SUS and MVI models.
- *Scintrex* Cesium magnetometers are used for walking-mode and snowmobile-mode surveys.



GPR (Ground Penetrating Radar)

- Radar is useful for many purposes such as mapping stratigraphy, characterizing buried objects and soil properties.
- *Sensors & Software* Noggin, PulseEKKO and Conquest instruments are used for a wide range of frequencies and applications.



Borehole Logging (Physical Properties)

- In addition to cross-hole IP/Resistivity and TDEM borehole surveys, borehole physical property and camera logs are excellent for thoroughly characterizing near-hole rock and soil properties.
- *Mount Sopris* and *Geonics* probes are typically used for these surveys.