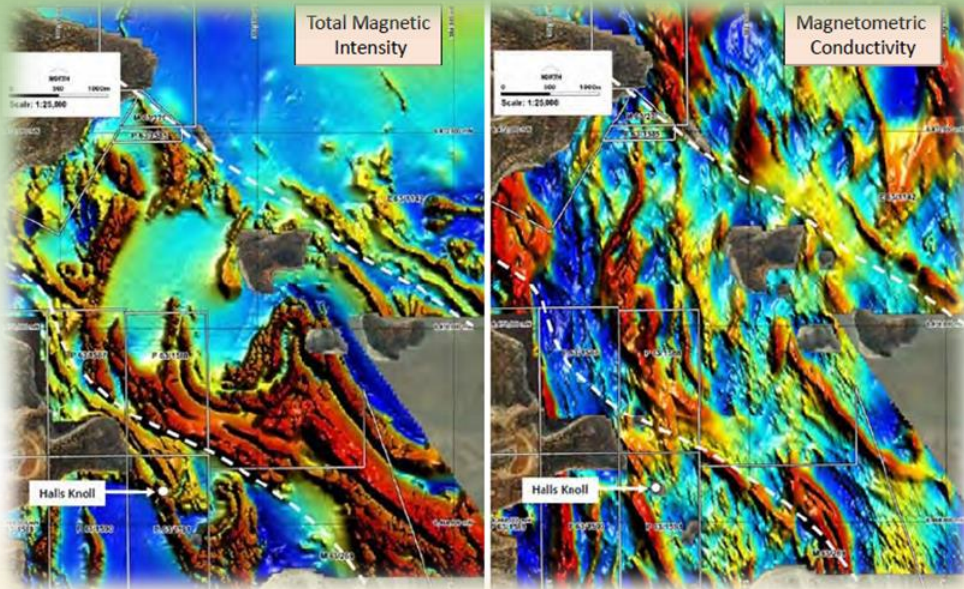


Inductive HeliSAM (Helicopter Sub-Audio Magnetics) is a cutting-edge exploration methodology designed for deep EM investigation far beyond the capability of conventional airborne platforms.

Information provided depends on survey configuration but includes:

- Total Magnetic Intensity (TMI)
- Total Field Magnetometric Conductivity (TFMMC)
- Total Field ElectroMagnetics (TFEM)



Discovery partnered with GAP Geophysics Australia to bring their innovative Heli-SAM technology to North America. We have combined it with our proprietary Heli-Winder Tx wire distribution and collection system to offer rapid detection of massive sulphide deposits.



Mineral Exploration is our Business

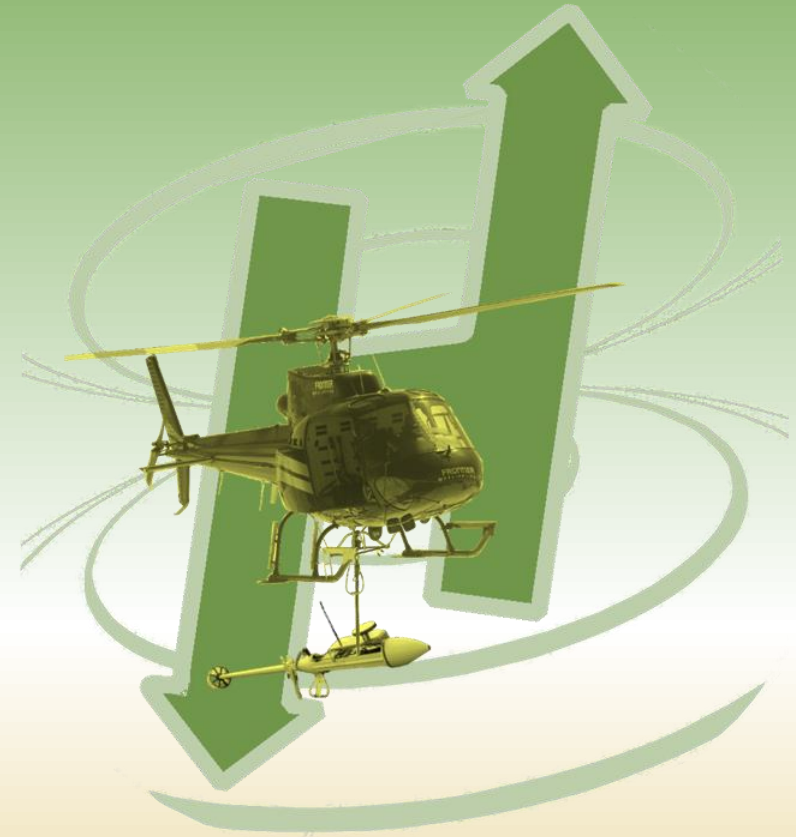
Safety is our Culture

Discovery International Geophysics Inc.

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SUB-AUDIO MAGNETICS (SAM)

Helicopter and Ground SAM



Total B-Field Technologies

Geophysical rapid acquisition method that provides High spatial definition and / or deep penetration data related to both the electrical and magnetic properties of the Earth



Discovery
International Geophysics



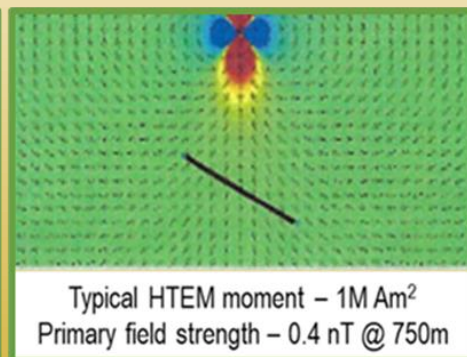
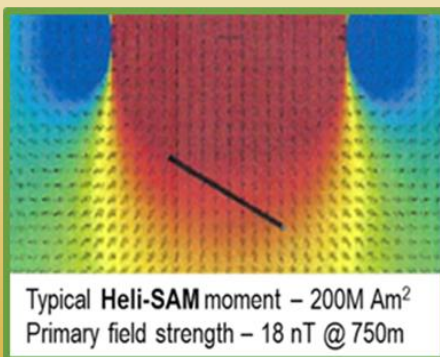
Gap GeoPhysics
Exploration Services

Features:

- The perfect methodology for detection of large-tonnage VMS / Cu-Ni-PGM ore bodies to great depth
- ‘Seeing’ through conductive regolith or strata
- Map sheers associated with shear hosted gold mineralization
- Explore far deeper than conventional Airborne EM systems at similar pricing
- Particularly well suited to VMS, Ni exploration in environmentally sensitive regions (no line cutting rules), rugged mountainous type terrain, areas pocketed with lakes or swamps, areas of dense bush, or projects that require rapid data acquisition due to short field season

Technology	Frequency (Hz)	Sample Interval	Acquired Parameter	Daily Production
SAM	3.125 Hz to 8 Hz	3m-5m	TMI, MMR (Dipole), TFEM, 3-C	Up to 30 km
HeliSAM	3.125 Hz to 8 Hz	5m-10m	TMI, MMR (Dipole), TFEM, 3-C	300 km +

- Transmitter inductive flux density (electromagnetic-field) 50 to 500 times greater than the most powerful airborne EM transmitter platforms

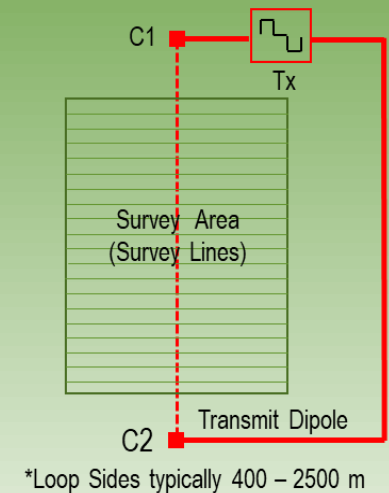


Galvanic Source (MMR Mode)

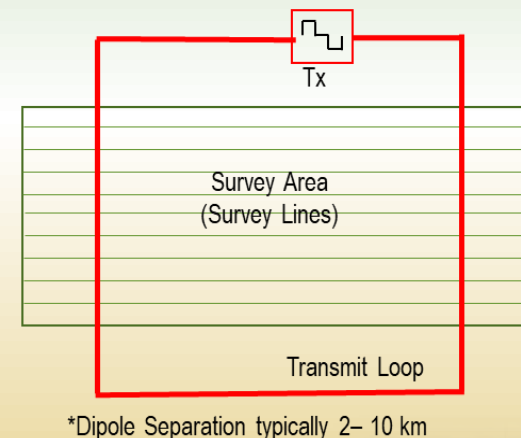
Using large dipole sources to map out current channeling through conductive zones.

Galvanic surveys have two electrodes and a half loop located outside the survey area. Whilst transmitting, current flows through the ground from the source to the sink electrode.

Current flows along relative conductors or structures which in turn create secondary fields that are detected by the receiver.



Inductive Loop (FLEM Mode)



Inductive surveys measure the magnetic components of the eddy currents that are generated when the transmitter shuts off. These currents circulate in a conductor for a short period after turnoff and decay as they lose energy

Heli-Winder: Unique Discovery Innovation

- Rapid Loop Deployment
- Rapid Loop Retrieval
- No Line-Cutting required
- Easily Utilized in Rough Terrain
- Accurate GPS Geo-Refencing

