

HUMMINGBIRD

Helicopter-borne Digital Frequency Domain Electromagnetic System

FEATURES:

- Good contouring in mountainous terrain
- NO COMPENSATION of data required
- Accurate anomaly positioning (+/- 1.5 m)
- Measurement of 5 EM frequencies ranging from 900Hz to 35 kHz
- All digital samples generated by the EM system are supplied as inphase and quadrature measurements
- Simultaneous high-resolution magnetic and (optional) gamma-ray spectrometer measurements
- DGPS navigation with pilot guidance
- Other flight control instruments include a radar or laser altimeter, a barometric altimeter and a digital colour imaging system

APPLICATIONS:

- Base & precious metals exploration
- Minerals exploration
- Geothermal mapping
- Diamondiferous kimberlite exploration
- Environmental engineering surveys
- Sand and Gravel mapping
- Ground Water exploration
- Shallow Sea Bathymetry
- Sea-ice thickness mapping
- Mapping of fresh water/salt water interfaces
- Permafrost mapping

