



SURVEY SPECIFICATIONS:
 Survey Date: September 15th - 25th, 2014
 Survey Base: Hearst, Ontario
 Aircraft: Aerospatiale A-star 350 B3 C-FK0I
 Survey Line Spacing: 200 metres
 Survey Line Direction: N 115° E / N 295° E
 Tie Line Spacing: n/a
 Tie Line Direction: n/a
 Average Aircraft Terrain Clearance: 70 metres
 EM Transmitter Loop: Towed at an average terrain clearance of 34 metres below the helicopter
 2 Magnetic Sensors: Towed at an average terrain clearance of 24 metres below the helicopter

INSTRUMENTS
 Geotech Time Domain Electromagnetic System (VTEM)
 Concentric Rx/Tx Geometry
 X-Coil Diameter 0.32m
 Z-Coil Diameter 1.2m
 Transmitter Loop: Diameter 26 Meters
 Dipole Moment: 511,815 nA
 Transmitter Wave Form: Trapezoid, Pulse Width 4.40 ms, Base Frequency 30 Hz
 Geometrics High Sensitivity Caesium 2 Magnetic Sensors
 Mag Resolution: 0.02 nT at 10 samples/sec

MAP PROJECTION
 Datum: NAD83
 Projection: Universal Transverse Mercator
 Central Meridian: 87°W (Zone 16N)
 Central Scale Factor: 0.9996
 False Easting/Northing: 500,000m/0m
 Major Axis: 6378137.000
 Inverse Flattening: 298.25722
 NTS: 042K02 & 042F15

Profiles scale 1 mm = 0.005 (pV/A*m⁴)

Linear between +/- 0.5 (pV/A*m⁴)
 logarithmic above 0.5 (pV/A*m⁴)

0.220 ms
0.253 ms
0.290 ms
0.333 ms
0.383 ms
0.440 ms
0.505 ms
0.580 ms
0.667 ms
0.766 ms
0.880 ms
1.010 ms
1.161 ms
1.333 ms
1.531 ms
1.760 ms
2.021 ms
2.323 ms
2.667 ms
3.063 ms
3.521 ms
4.042 ms
4.641 ms
5.333 ms
6.125 ms
7.036 ms

TOPOGRAPHIC LEGEND:

- Streams / Rivers
- Contours
- Lakes / Ponds
- Wetlands
- Mining Claims

The topographic data base was derived from 1:50000 NRC (Natural Resources Canada) NTDB data
 Background shading is derived from NASA SRTM (Shuttle Radar Topography Mission) data
 Inset data derived from Diva-GIS 1:1,000,000 scale
 Mining Claims are derived from the Ontario Ministry of Northern Development and Mines
 (<http://www.diva-gis.org/>) (<http://www.geogratis.ca/>) (<http://www.mndm.gov.on.ca/>)

**Alibaba Graphite Corp
 Southwest Block
 Hearst, Ontario**

**Aeroquest VTEM System
 VTEM dB/dt Z Component Profiles
 Time Gates
 0.220 - 7.036 ms**

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