GEOTECH LTD.

Survey Specifications:

Dates Flown: October 03, 2007
Survey Base: Teslin, YT
Aircraft: Astar B3 helicopter, Registration C-GTFX
Nominal Flight Line Spacing: 100 metres
Nominal Flight Line Directions: N17°E/N197°E
Nominal Tie Line Spacing: 1000 metres
Nominal Tie Line Directions: N107°E/N287°E
Nominal helicopter terrain clearance 150 metres
EM Loop is towed 42 metres under helicopter
Magnetic sensor is 15 metres under helicopter

Instruments:

Geotech Time Domain Electromagnetic System (VTEM)
with concentric Rx/Tx geometry
Transmitter Loop Diameter 26 m, Base Frequency 30 Hz
Dipole Moment 440,450 NIA
Transmitter Wave Form: Trapezoid, Pulse Width 7.22 ms
Geometrics Optically-pumped,
High Sensitivity Cesium Magnetometer
Magnetometer Resolution 0.02 nT at 10 samples/sec

Profiles scale 1 mm = 0.005 pV/A/m^4
(Linear between +/-0.1 pV/A/m^4
logarithmic above 0.1 pV/A/m^4)

- 0.234 ms
- 0.281 ms
- 0.339 ms
- 0.406 ms
- 0.484 ms
- 0.573 ms
- 0.682 ms
- 0.818 ms
- 0.974 ms
- 1.151 ms
- 1.370 ms
- 1.641 ms
- 1.953 ms
- 2.307 ms
- 2.745 ms
- 3.286 ms
- 3.911 ms
- 4.620 ms
- 5.495 ms
- 6.578 ms
- 7.828 ms

Legend:

- Roads
- Lakes, Rivers
- Swamps
- Topographic contours

Scale 1:10000

100 0 100 200 300 400 500

(meters)

WGS 84 / UTM zone 9N

Strategic Metals Ltd.
Block DORSEY
Yukon, Canada

Geotech VTEM System

dB/dt Profiles
Time Gates 0.234 - 6.578 ms

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