



Survey Specifications:  
Dates Flown: August 17 - August 18, 2007  
Survey Base: Mayo, YT  
Aircraft: Ashtech 53 Helicopter, Registration C-GTFX  
Nominal Flight Line Spacing: 100 metres  
Nominal Flight Line Direction: N80°E/N80°W  
Nominal Tie Line Spacing: 1000 metres  
Nominal Tie Line Direction: N80°E/N20°W  
Nominal helicopter terrain clearance: 85 metres  
EM Loop is 40 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: 424,400 N/A  
Transmitter Wave Form: Triangular, Pulse Width: 7.13 ms  
Geometrics: Optically-pumped,  
High Sensitivity Cesium Magnetometer  
Magnetometer Resolution: 0.02 nT at 10 samples/sec



Profiles scale 1 mm = 0.1 (pV\*ms)/A/m<sup>4</sup>  
(Linear between +/-0.4 (pV\*ms)/A/m<sup>4</sup>  
logarithmic above 0.4 (pV\*ms)/A/m<sup>4</sup>)

- 0.234 ms (B-field)
- 0.281 ms (B-field)
- 0.338 ms (B-field)
- 0.406 ms (B-field)
- 0.484 ms (B-field)
- 0.573 ms (B-field)
- 0.682 ms (B-field)
- 0.818 ms (B-field)
- 0.974 ms (B-field)
- 1.151 ms (B-field)
- 1.370 ms (B-field)
- 1.641 ms (B-field)
- 1.953 ms (B-field)
- 2.307 ms (B-field)
- 2.745 ms (B-field)
- 3.286 ms (B-field)
- 3.911 ms (B-field)
- 4.620 ms (B-field)
- 5.405 ms (B-field)
- 6.278 ms (B-field)
- 7.228 ms (B-field)

Legend:  
Roads  
Lakes, Rivers  
Topographic contour

Scale 1:10000  
100 0 100 200 300 400 500  
(metres)  
WGS 84 / UTM zone 8V

Yukon Gold Corporation Inc.  
Block GRAM  
Yukon, Canada

Geotech VTEM System  
**EM B-field Pseudolog Profiles**  
**Time Gates 0.234-7.828 ms**

Flown and processed by Geotech Ltd.  
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October 2007

