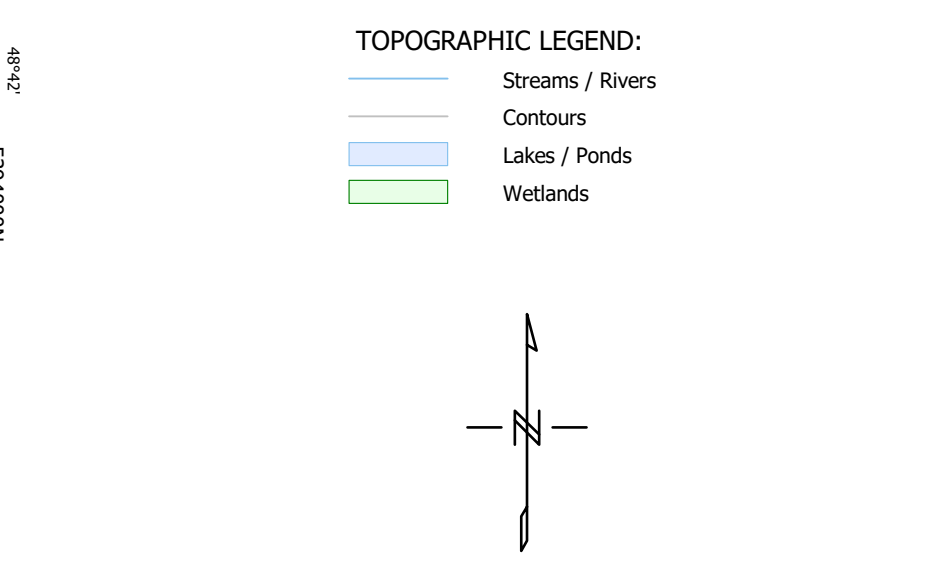


**SURVEY SPECIFICATIONS:**  
 Survey Date: January 29th to February 14th, 2018  
 Survey Base: Label-Sur-Quebec, QC  
 Aircraft: Aerospatiale A-Star 350 B3 (C-FCM)  
 Survey Line Spacing: 100 Meters  
 Tie Line Spacing: 1000 Meters  
 Tie Line Direction: N 90° E / N 270° E - N 0° E / N 180° E  
 Average Aircraft Terrain Clearance: 84 Meters  
 EM Transmitter Loop: Towed at an average terrain clearance of 36 meters below the helicopter  
 Magnetic Sensor: Towed at an average terrain clearance of 10 meters 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: 401,220 nA  
 Transmitter Wave Form: Trapezoidal, Pulse Width 7.09 ms, Base Frequency 30 Hz  
 Geometrics High Sensitivity Caesium Magnetometers  
 Mag Resolution: 0.02 nT at 10 samples/sec

**MAP PROJECTION:**  
 Datum: NAD83  
 Projection: Universal Transverse Mercator  
 Central Meridian: 75°W (Zone 18N)  
 Central Scale Factor: 0.9996  
 False Easting/Northing: 500,000m  
 Major Axis: 6378137.000  
 Inverse Flattening: 298.25722



The topographic data base was derived from 1:50000 NRC (Natural Resources Canada) MTM data  
 Background shading is derived from NADA 587M (Statistique Canada Topography Mission) data  
 Post data derived from Geocommunities 1:250,000 Canadian National Topographic database  
 (www.geocomm.com/www.geomatics.ca)

**Melkor Resources Inc.**  
 Maseres  
 Urban-Barry, Quebec  
 Geotech VTEM System  
**dB/dt Calculated Time Constant (Tau)**

Flown and processed by Geotech Ltd.  
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