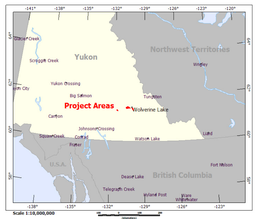
GEOTECH
AIRBORNE GEOPHYSICAL SURVEYS



SURVEY SPECIFICATIONS:
- Survey Date: April 23rd - July 31st, 2016
- Survey Base: KZK Camp, Yukon
- Aircraft: Aerospatiale A-star 350 B3 C-GTNI / C-FVTM
- Survey Line Spacing: 150 metres
- Survey Line Direction: N 15° E / N 195° E
- Tie Line Spacing: 1500 metres
- Tie Line Direction: N 105° E / N 285° E
- Average Aircraft Terrain Clearance: 83 meters
- EM Transmitter Loop: Towed at an average terrain clearance of 31 meters below the helicopter
- Magnetic Sensors: Towed at an average terrain clearance of 21 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: 401,382 nIA
- Transmitter Waveform: Trapezoid, Pulse Width 7.34 ms, Base Frequency 30 Hz
- Geometrics High Sensitivity Cesium Magnetic Sensors
- Magnetic Resolution: 0.02 nT at (10Hz)

MAP PROJECTION
- Datum: NAD83
- Projection: Universal Transverse Mercator zone 9N
- Central Meridian: 129°W
- Central Scale Factor: 0.9996
- False Easting/Northing: 500,000m/0m
- Major Axis: 6378137
- Inverse Flattening: 298.25722
- NTS: 105G07, 105G08, 105G09, 105G10

Profiles scale 1 mm = 0.2 (pV/A*m^4)
Linear between +/- 0.5 (pV/A*m^4)
logarithmic above 0.5 (pV/A*m^4)

	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:
- **Trails**
- **Streams / Rivers**
- **Contours**
- **Lakes / Ponds**
- **Wetlands**

Scale 1:20000
250 0 250 500 750 1000
(meters)
NAD83 / UTM zone 9N

The topographic data base was derived from 1:50,000 NRC (Natural Resources Canada) NTDB data (www.geogratis.ca).
Background shading is derived from NASA SRTM (Shuttle Radar Topographic Mission) data
Road data derived from Geocommunities 1:250,000 (www.geocomm.com)
and Natural Earth 1:10,000,000 database (www.naturalearthdata.com/downloads/).

BMC Minerals (No.1) Ltd
Kudz Ze Kayah
Wolverine Lake, Yukon

Geotech VTEM System
VTEM dB/dt Z Component Profiles
Time Gate 0.220 - 7.036 ms

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