



The topographic data base was derived from 1:50000 NRC (Natural Resources Canada) NTDB data.

Inset data derived from Natural Resources Canada 'Atlas of Canada Base Maps'

This map accompanies the technical report entitled 'Report on a Helicopter-Borne Magnetic Gradiometer and Gamma Ray Spectrometer Survey, Borealis Property, Dawson Area, Yukon,' by Aeroquest Limited, September 2007.

Grid North
NAD83-Zone7

Scale 1:10,000,000

11.41
5.39
4.94
4.69
4.52
4.39
4.27
4.18
4.10
4.02
3.96
3.89
3.83
3.78
3.72
3.66
3.61
3.56
3.50
3.44
3.39
3.33
3.26
3.20
3.13
3.07
3.00
2.92
2.84
2.77
2.69
2.61
2.52
2.44
2.33
2.20
2.06
1.83
1.50
0.55
eTh/K%
ratio

Thorium / Potassium Ratio (eTh/K%)

--- 0.5
--- 1.0
--- 5.0
--- 25.0

SURVEY SPECIFICATIONS:

Survey flown: July 25 - August 3, 2007
Traverse line spacing: 100 metres
Traverse line direction: E-W (90°)
Nominal HelitAG bird height: 30 metres
Aircraft: Aerospatiale A-Star 350B2 (C-GPTY)

INSTRUMENTATION:

Data acquisition: HelitAG - Tri-Directional Total Field/Gradient
Magnetometers: 4 x G623A Cesium Vapour sensors
Installation: Towed bird (30m nominal ground clearance)
Sensitivity: .004 nanoTesla
Sample Interval: 10 Hz
Gamma Ray Spectrometer: PicoEnvirotec AGRS GRS 10-5
Downward looking crystal vol. - 16.8L (1024cu in)
Upward looking crystal vol. - 4L (256cu in)
Sample Interval: 1.0 seconds
Channels: 256
Installation: In helicopter

NAVIGATION:

Navigation: Differential Global Positioning System (DGPS)
Navigation equipment: AGNAV with MID-TECH RX400p receiver
Radar Altimeter: Terra TRA3000/TRI-30

DATA PROCESSING

Magnetics: diurnal, tide and micro-leveling corrections

POSITIONING

Datum: NAD83
Major Axis: 6378137.000
Eccentricity: 0.081819191

MAP PROJECTION

Projection: Universal Transverse Mercator
Central Meridian: 141°W (Zone 7)
Central Scale Factor: 0.9996
False Easting/Northing: 500,000m/0m

scale 1:20,000

250 0 250 500 750 1000 1250 1500
(metres)
NAD83 / UTM zone 7N

Copper Ridge Explorations Inc.
Dawson Area, Yukon

**GAMMA RAY SPECTROMETER
THORIUM/POTASSIUM RATIO
(eTh/K%)**

Borealis Property

NTS 116B06, 11

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RADeTHK