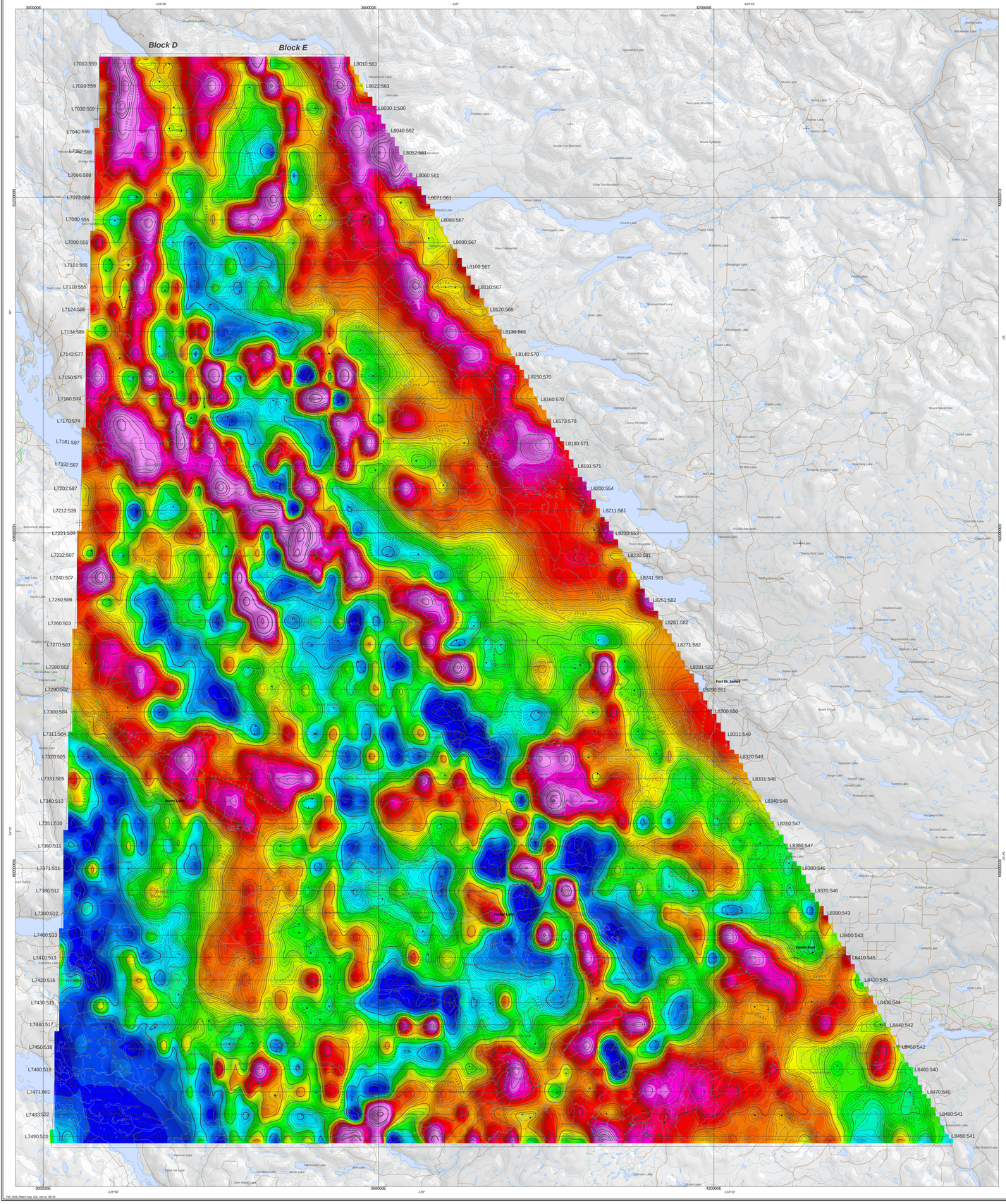
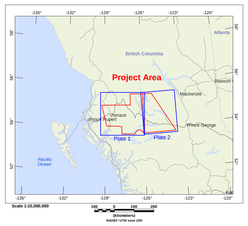


Grid North
NAD83-Zone10

The topographic data base was derived from 1:50000 NRC (Natural Resources Canada) NTDB data
Topo contours derived from NASA SRTM (Shuttle Radar Topography Mission) 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 and Electromagnetic Survey, Quest West', by Aeroquest Surveys, January 2009



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57210.7
57135.1
57078.5
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56996.7
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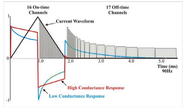
56893.7
56877.1
56861.4
56845.4
56828.6
56812.2
56795.1
56778.2
56762.6
56745.9
56729.3
56713.2
56697.5
56681.8
56665.1
56648.7
56632.7
56616.9
56599.6
56581.6
56563.3
56541.0
56515.8
56486.4
56450.1
56406.4
56345.4
56275.8

TMI
nT

TMI Contour Interval

- 50nT
- 100nT
- 500nT
- 2500nT

- Building
- Rail
- Roads / Trails
- Pipeline
- Transmission Line
- Sand
- Built Up Area
- Mining Claims
- Wetland
- Lake



Schematic of Transmitter and Receiver waveforms

SURVEY SPECIFICATIONS:
Survey flown: August 24 - October 10, 2008
Traverse line spacing: 4000 metres
Traverse line direction: 90°/270°
Nominal EM bird height: 30 metres
Aircraft: Aerospatiale A-Star 350B2 (C-GVIA)
INSTRUMENTATION:
Data acquisition: ADAS & RMS DGR-33
Magnetometer: Geometrics G-822A caesium vapour
Installation: Towed bird 31 m above EM bird
Sensitivity: .001 nano Tesla
Electromagnetics: AeroTEM III System (November)
Configuration: Towed bird
NAVIGATION:
Navigation: Differential Global Positioning System (DGPS)
Navigation equipment: AGNAV with MID-TECH RX400p receiver
Radar Altimeter: Terra TRA3000/TRI-30
POSITIONING
Datum: NAD83
Major Axis: 6378137.000
Eccentricity: 0.081819191
MAP PROJECTION
Projection: Universal Transverse Mercator
Central Meridian: 123°W (Zone 10)
Central Scale Factor: 0.9996
False Easting/Northing: 500,000m/0m

scale 1:250,000
5000 0 5000 10000 15000
(meters)
NAD83 / UTM zone 10N

Geoscience BC
British Columbia

TOTAL MAGNETIC INTENSITY

Quest West, Plate 2, Blocks D & E

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January 2009

TMI Plate 2

Tmi_2009_Plate2.map: AQ, Job no. 08130