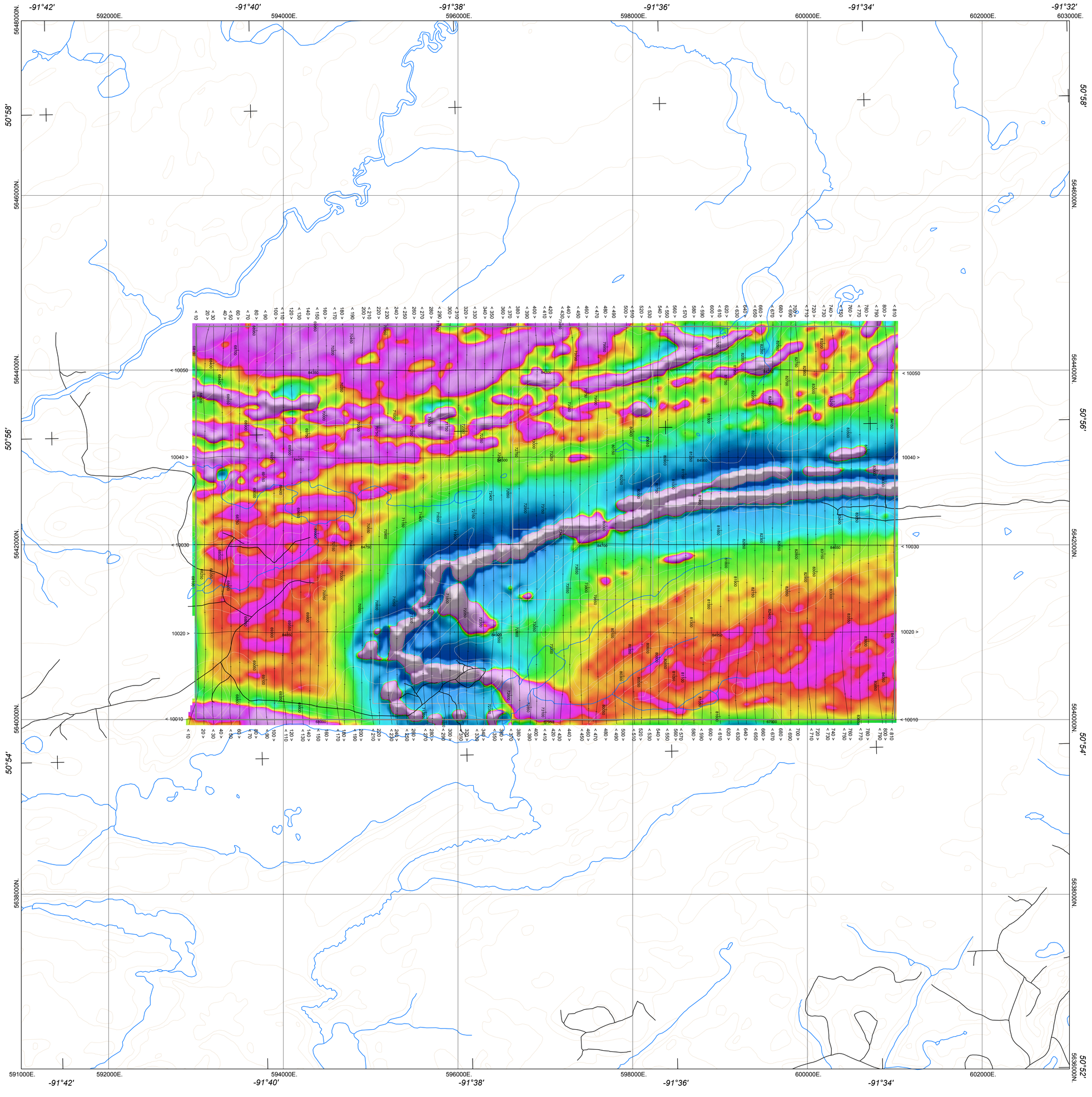


# PIERRE GAGNE CONTRACTING Ltd.

## Specification, Notes and Legends

### Line Survey Specifications

Total line Kilometres : ..... 405
Line Azimuth : ..... N00°E
Line Spacing : ..... 100 m
Tie Azimuth : ..... N90°E
Tie Spacing : ..... 1000 m

### Geodetic Specifications

Map Projection : ..... UTM
UTM zone : ..... 15 North
Central Meridian : ..... 93° West
Datum : ..... WGS84
False Easting : ..... 500 000
False Northing : ..... 0
Scale Factor : ..... 0.9996

### Helicopter Specifications

Helicopter : ..... Robinson R44
Average Speed : ..... 35 m/s
Flight Elevation : ..... 51 m
Bird Elevation above ground : ..... 36 m

### Magnetometer Specifications

Magnetometer : ..... Altitude, 60 m
Magnetometer : ..... Geometrics Cesium
Magnetometer Installation : ..... Towed Bird
Sample Rate : ..... 10 Hz
Base Station Magnetometer : ..... GEM. GSM-19, Overhauser

### Data Acquisition System

Pico Envirotec AGIS

### Navigation Specifications

Radar Altimeter : ..... TRA-3000
GPS Receiver : ..... Novatel DL-V3
GPS Differential Correction: ..... Omnistar
GPS Sample Rate : ..... 1 Hz

### Flight path

GPS data recorded during the flight was realtime differentially corrected and transformed to the UTM coordinate system.

< 1575 — Flight Line Number — Fiducial Number
Flight Line Direction — 6500

### Maps : Hydrographic Information, 1:50 K scale.

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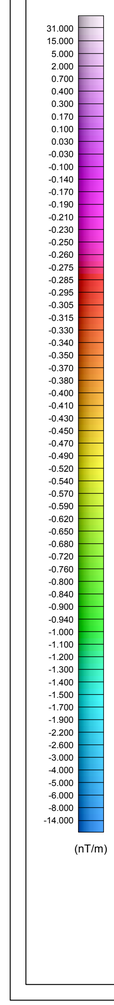
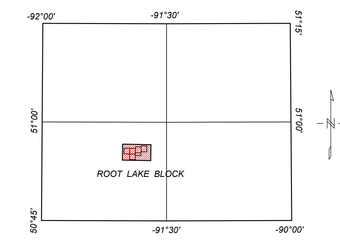
### Notes :

Magnetic data were corrected for diurnal drift, tie line levelled and micro levelled.

Data Gridding Cell Size ..... 25 m




Index Map :

| | |
|---|---|
| Client : | PIERRE GAGNE CONTRACTING Ltd. |
| Project : | Helicopter-Borne Geophysical Survey |
| Area : | Root Lake, Ontario |
| Title : | Shadow: N00°E<br>Magnetic First Vertical Derivative<br>(nT/m) |
| scale : | 500 0 500 1000 1500 metres<br>1: 20 000 |

**GEO DATA SOLUTIONS GDS Inc.**

| | | |
|---|---|---|
| Project # : P11021 | Date : July 4, 2011 | Ref # : MVDPGCL-RO-20 |