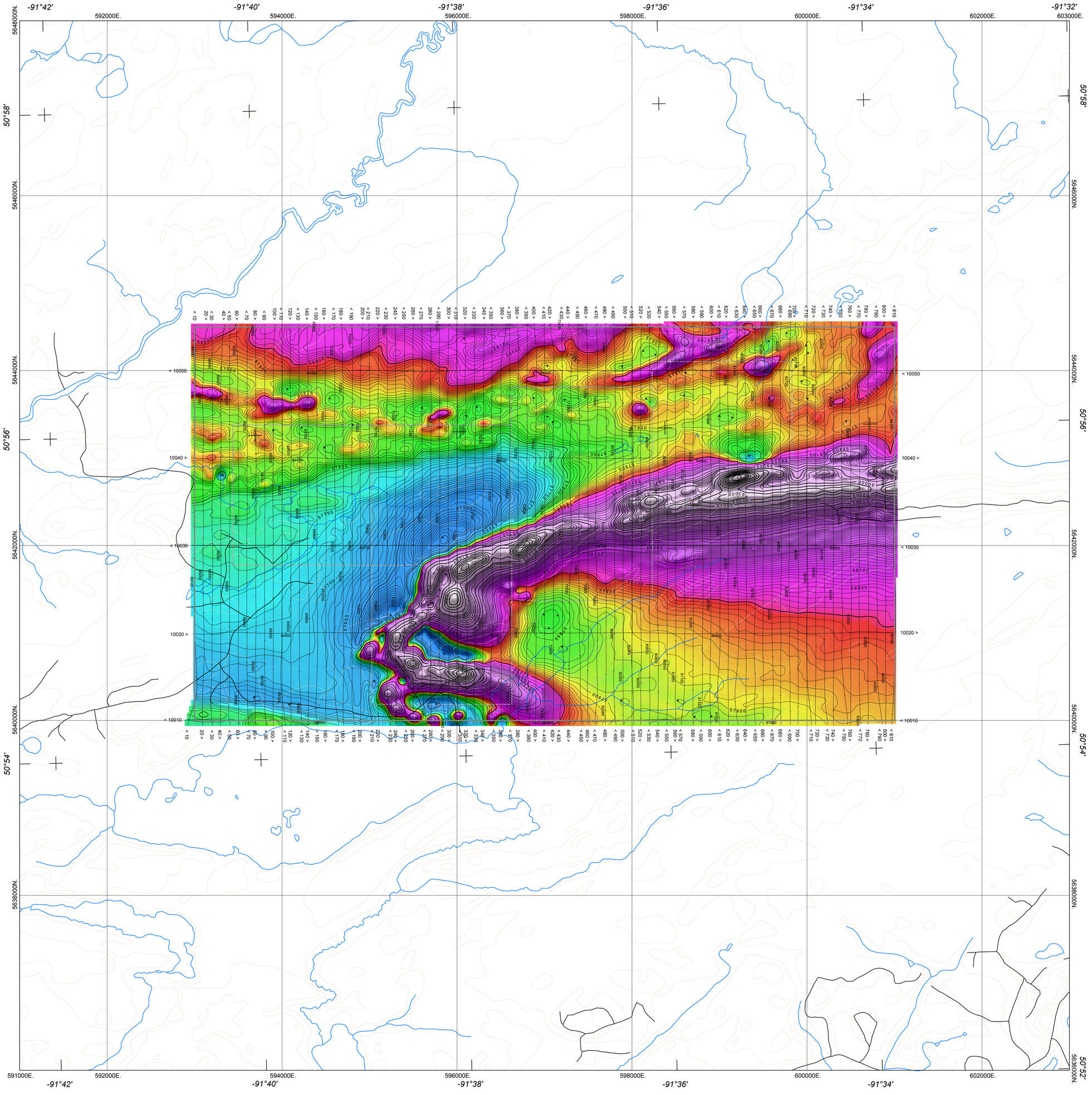


# PIERRE GAGNE CONTRACTING Ltd.

## 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 : ..... 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 : ..... FreeFlight 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

### Map Contours Are In NanoTesla

10 nT: .....
50 nT: .....
200 nT: .....
1000 nT: .....

63000
61000
60000
59400
59000
58700
58500
58400
58300
58220
58170
58120
58090
58075
58060
58050
58035
58020
58010
58000
57990
57980
57973
57967
57960
57953
57948
57942
57938
57932
57928
57922
57918
57914
57910
57906
57902
57898
57894
57890
57886
57882
57877
57870
57863
57855
57845
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57810
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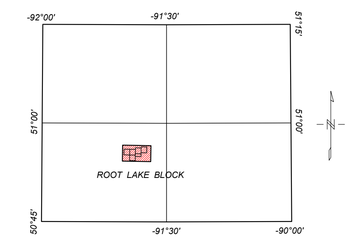
57710
57700
57690
57680
57660
57640
57600
57520
(nT)




Index Map :

| | |
|---|---|
| Client : | PIERRE GAGNE CONTRACTING Ltd. |
| Project : | Helicopter-Borne Geophysical Survey |
| Area : | Root Lake, Ontario |
| Title : | Shadow: N00°E<br>Magnetic Total Field<br>Contoured at 10 nT Intervals |
| scale : | 500 0 500 1000 1500 metres<br>1: 20 000 |

GEO DATA SOLUTIONS GDS Inc.

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