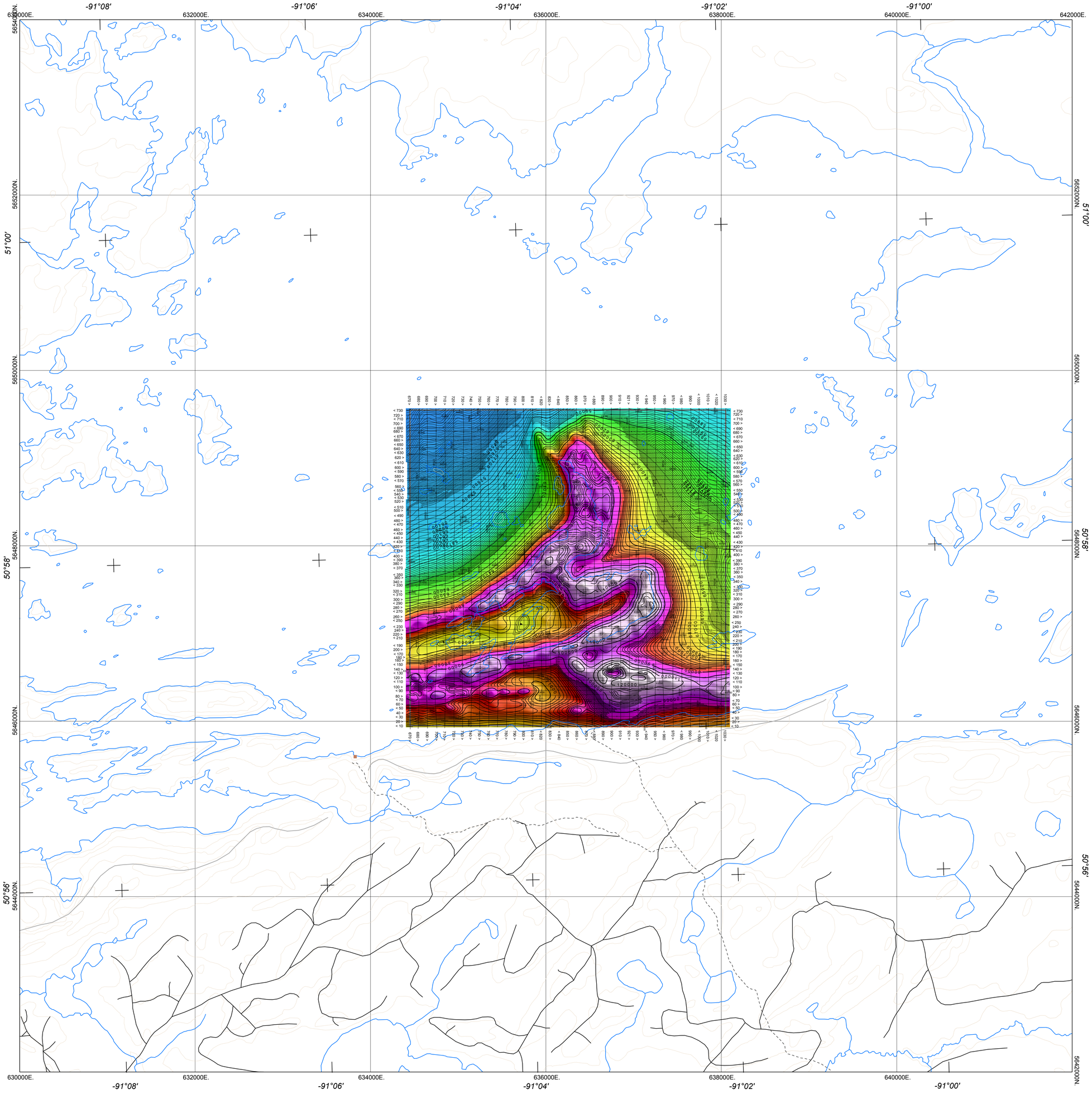


# PIERRE GAGNE CONTRACTING Ltd.

## Specification, Notes and Legends

### Line Survey Specifications

Total line Kilometres : ..... 263
Line Azimuth : ..... N90°E
Line Spacing : ..... 50 m
Tie Azimuth : ..... N00°E
Tie Spacing : ..... 100 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 : ..... 40 m/s
Flight Elevation : ..... 50 m
Bird Elevation above ground : ..... 35 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 :

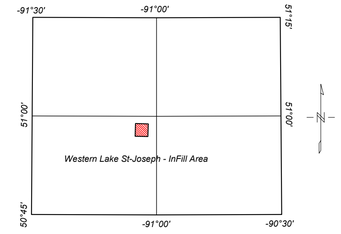
Magnetic data were corrected for diurnal drift, tie line levelled and micro levelled.

Data Gridding Cell Size ..... 12,5 m

### Map Contours Are In NanoTesla

10 nT: .....
100 nT: .....
1000 nT: .....
10000 nT: .....

120000
114000
110000
106000
103000
101000
99000
97000
95000
93000
92000
90500
89000
88000
86000
84500
83000
82000
80500
79000
78000
77000
76000
75000
74300
73500
72700
72000
71000
70400
69700
69000
68300
67750
67250
66600
66200
65600
65000
64200
63700
63000
62600
62200
61700
61200
60800
60400
60100
59800
59500
59200
59000
58800
58600
58400
58100
57900
57700
57500
57400
57300
57150
57050
(nT)




Index Map :

| | |
|---|---|
| Client : | PIERRE GAGNE CONTRACTING Ltd. |
| Project : | Helicopter-Borne Geophysical Survey |
| Area : | InFill Area<br>Western Lake St. Joseph, 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 6, 2011 | Ref # : MTFPGCL-STJO-20-IN |