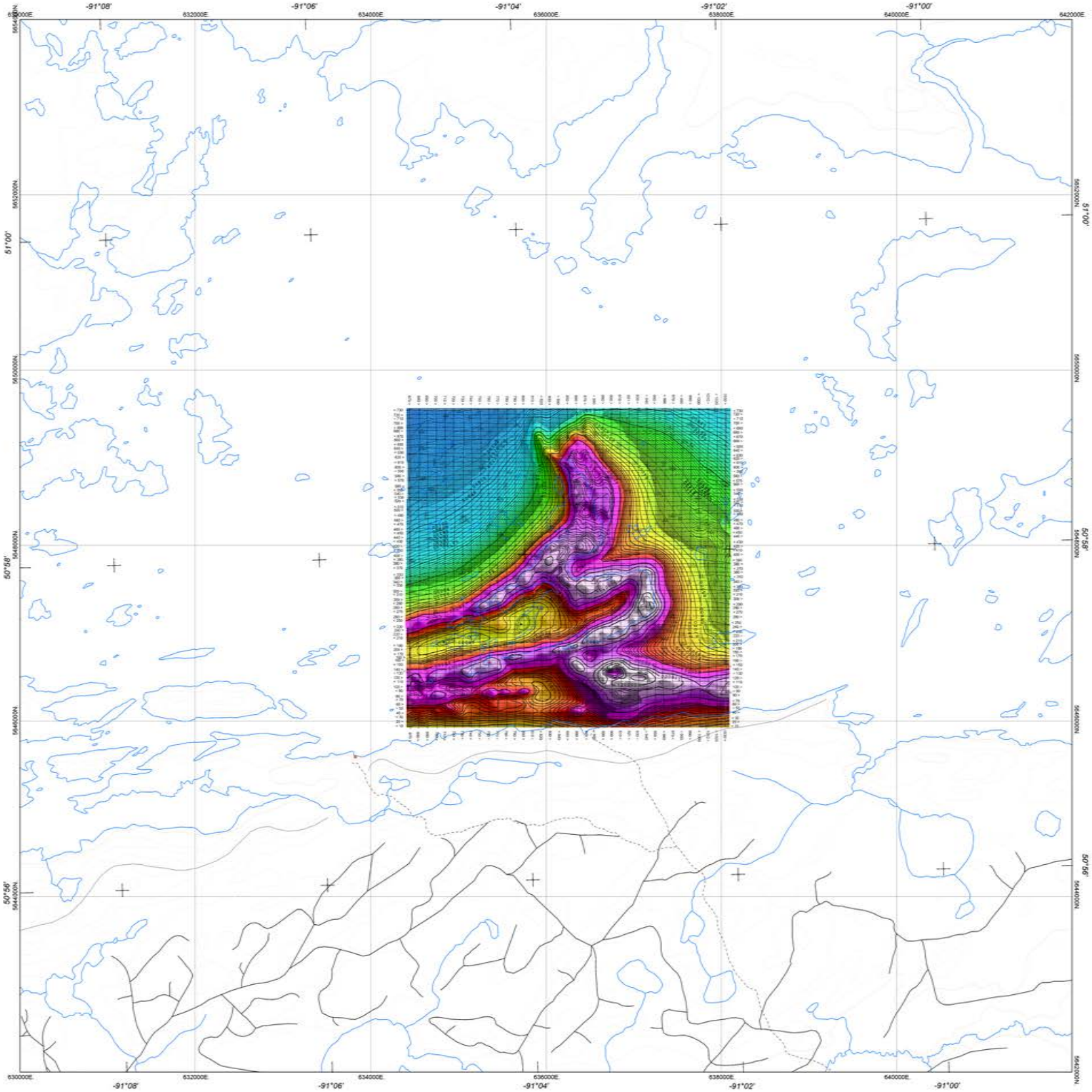


PIERRE GAGNE CONTRACTING Ltd.

## Specification, Notes and Legends

### Line Survey Specifications

| | |
|---|---|
| Total line Kilometres | 283 |
| 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 4600

### 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.

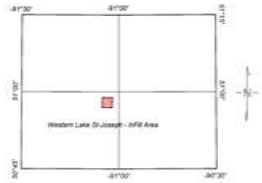
Data Gridding Cell Size ..... 12.5 m

### Map Contours Are In NanoTesla

10 nT
100 nT
1000 nT
10000 nT

(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 |