SERVICES TECHNIQUES GEONORDIC Inc.

Specification, Notes and Legends

Line Survey Specifications

Total line Kilometres : 1498
Line Azimuth : N 21.71° E
Line Spacing : 50 m
Tie Azimuth : N 111.71° E
Tie Spacing : 500 m

Geodetic Specifications

Map Projection : UTM
UTM zone : 18 North
Central Meridian : 75° West
Datum : WGS84
False Easting : 500 000
False Northing : 0
Scale Factor : 0.9996

Helicopter Specifications

Helicopter : ASTAR 350 BA+
Average Speed : 45 m/s
Average Height Above Ground : 35 m

Magnetometer Specifications

Magnetometer : Geometrics Cesium
Magnetometer Installation : Stinger
Sample Rate : 10 Hz
Base Station Magnetometer : GEM. GSM-19, Overhauser

Data Acquisition System

(RMS-DAARC500 DAS & Adaptive Aeromagnetic Real-Time Compensator)

Navigation Specifications

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

Flight path

GPS data recorded during the flight was realtime differentially corrected, post-processed then transformed to the UTM coordinate system

< 1575 — Flight Line Number — Fiducial Number 6600
Flight Line Direction

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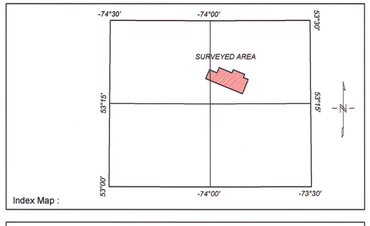
Notes :

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

Data Gridding Cell Size ..... 12.5 m

7.000
4.000
3.000
2.000
1.500
1.200
1.000
0.900
0.800
0.750
0.700
0.650
0.600
0.550
0.500
0.450
0.400
0.360
0.340
0.320
0.300
0.280
0.260
0.240
0.220
0.210
0.200
0.180
0.160
0.145
0.130
0.115
0.100
0.090
0.075
0.060
0.045
0.030
0.015
0.000
-0.015
-0.030
-0.045
-0.060
-0.075
-0.090
-0.100
-0.115
-0.130
-0.150
-0.165
-0.180
-0.200
-0.210
-0.225
-0.240
-0.255
-0.270
-0.285
-0.300
-0.315
-0.330
-0.345
-0.360
-0.375
-0.390
-0.400
-0.420
-0.435
-0.450
-0.465
-0.480
-0.500
-0.520
-0.540
-0.560
-0.580
-0.600
-0.625
-0.650
-0.675
-0.700
-0.750
-0.800
-0.850
-0.900
-1.000
-1.100
-1.300
-1.500
-2.000
-3.000
nT/m



SERVICES TECHNIQUES GEONORDIC Inc.

Client :

Project : Helicopter-Borne Magnetic Survey

Area : Corvet-Est Property, James-Bay Region, Quebec

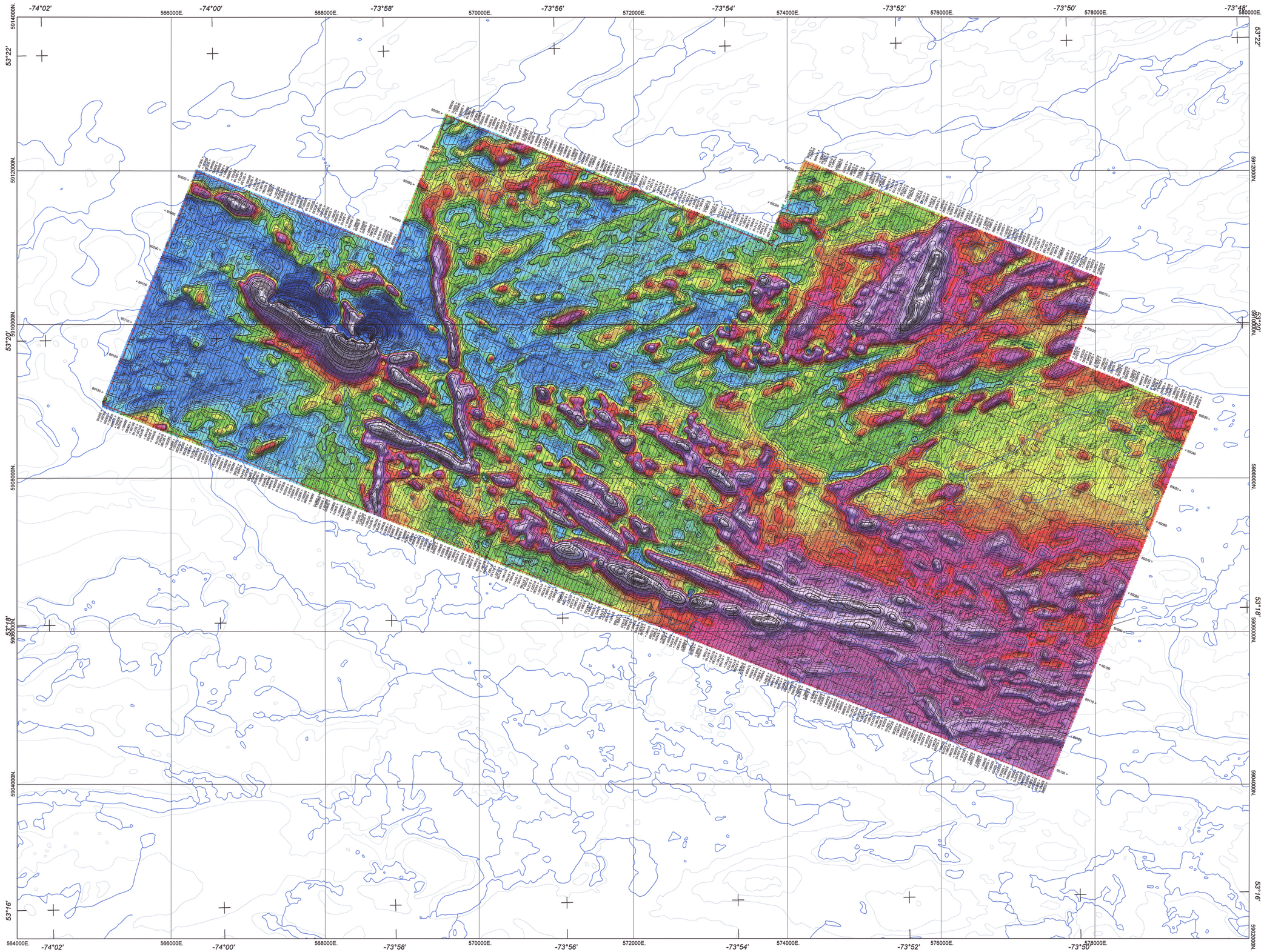
Title : Shadow: Inc. 45°, Dec. N 10° E
Magnetic First Vertical Derivative
(nT/m)

scale : 500 0 500 1000 1500 metres
1: 20 000

GEO DATA SOLUTIONS GDS Inc.

Project # : P11039	Date : Dec. 19, 2011	Ref # : 1VDSTG-COR-20

GM 66877



SERVICES TECHNIQUES GEONORDIC Inc.

nT

250 100 0 -40 -50 -60 -100 -110 -115 -120 -123 -127 -130 -135 -140 -143 -145 -147 -150 -152 -154 -156 -158 -160 -162 -164 -166 -168 -170 -172 -174 -176 -178 -180 -182 -184 -186 -188 -190 -192 -194 -196 -198 -200 -202 -204 -206 -208 -210 -212 -214 -216 -218 -220 -222 -224 -226 -228 -230 -232 -234 -236 -238 -240 -242 -244 -246 -248 -250 -252 -254 -256 -258 -260 -262 -264 -266 -268 -270 -273 -275 -277 -280 -283 -287 -290 -295 -300 -310 -330 -370

Specification, Notes and Legends

Line Survey Specifications

Total line Kilometres :	1498
Line Azimuth :	N 21.71° E
Line Spacing :	50 m
Tie Azimuth :	N 111.71° E
Tie Spacing :	500 m

Geodetic Specifications

Map Projection :	UTM
UTM zone :	18 North
Central Meridian :	75° West
Datum :	WGS84
False Easting :	500 000
False Northing :	0
Scale Factor :	0.9996

Helicopter Specifications

Helicopter :	ASTAR 350 BA+
Average Speed :	45 m/s
Average Height Above Ground :	35 m

Magnetometer Specifications

Magnetometer :	Geometrics Cesium
Magnetometer Installation :	Stinger
Sample Rate :	10 Hz
Base Station Magnetometer :	GEM. GSM-19, Overhauser

Data Acquisition System

(RMS-DAARC500 DAS & Adaptive Aeromagnetic Real-Time Compensator)

Navigation Specifications

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

Flight path

GPS data recorded during the flight was realtime differentially corrected, post-processed then transformed to the UTM coordinate system

< 1575 — Flight Line Number — Fiducial Number 6600

Flight Line Direction

Maps : Hydrographic Information, 1:50 K scale.

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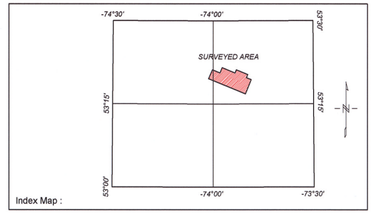
Notes :

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

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



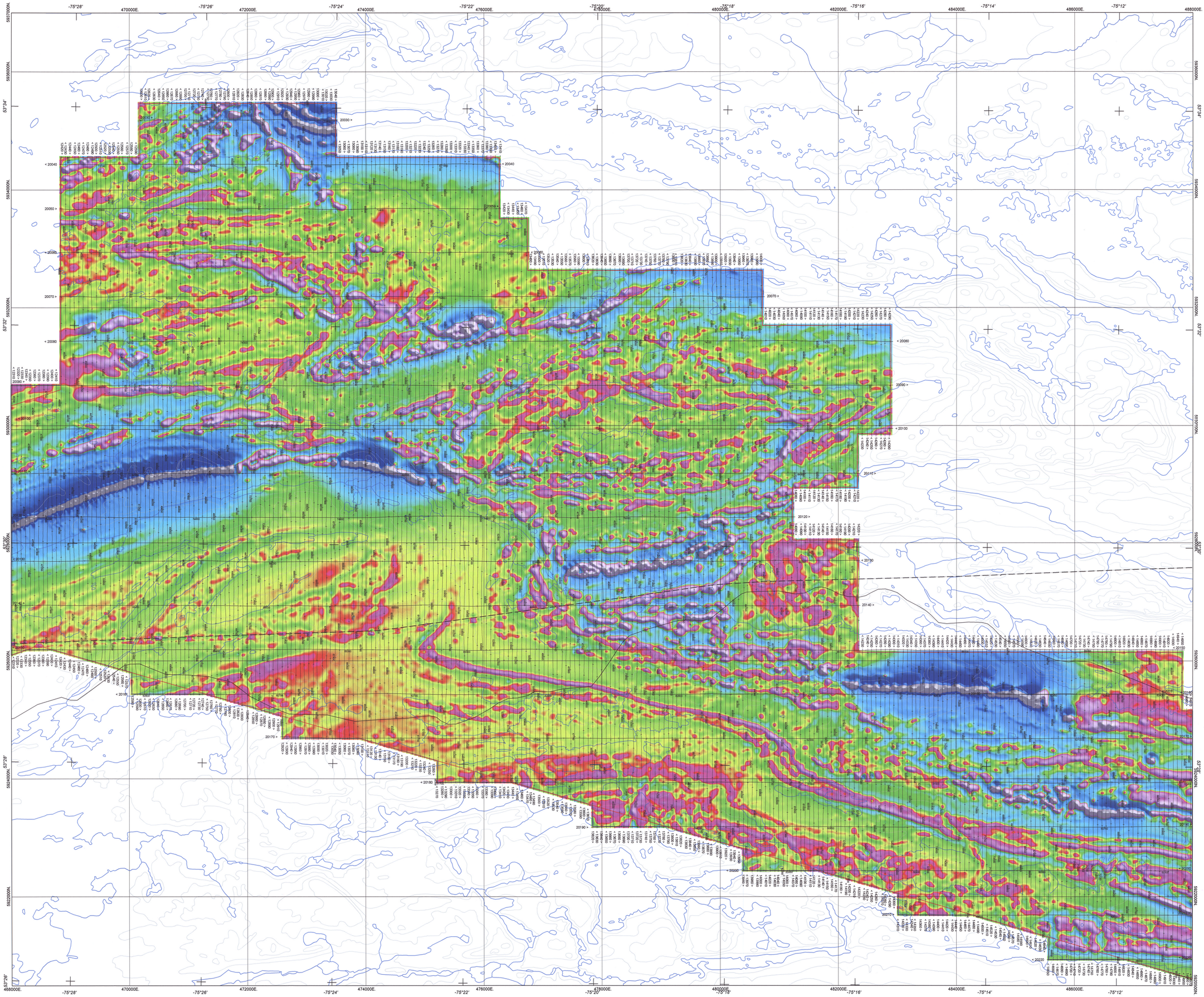
Index Map :

Client :	SERVICES TECHNIQUES GEONORDIC Inc.
Project :	Helicopter-Borne Magnetic Survey
Area :	Corvet-Est Property, James-Bay Region, Quebec
Title :	Shadow: Inc. 45°, Dec. N 10° E Residual Magnetic Field Contoured at 2 nT Intervals
scale :	500 0 500 1000 1500 metres 1: 20 000

GEO DATA SOLUTIONS GDS Inc.

Project # : P11039	Date : Dec. 19, 2011	Ref # : RMFSTG-COR-20

GM 66877



SERVICES TECHNIQUES GEONORDIC Inc.

Specification, Notes and Legends

Line Survey Specifications

Total line Kilometres	4940
Line Azimuth	N 0° E
Line Spacing	75 m
Tie Azimuth	N90° E
Tie Spacing	750 m

Geodetic Specifications

Map Projection	UTM
UTM zone	18 North
Central Meridian	75° West
Datum	WGS84
False Easting	500 000
False Northing	0
Scale Factor	0.9996

Helicopter Specifications

Helicopter	ASTAR 350 BA+
Average Speed	45 m/s
Average Height Above Ground	35 m

Magnetometer Specifications

Magnetometer	Geometrics Cesium
Magnetometer Installation	Stinger
Sample Rate	10 Hz
Base Station Magnetometer	GEM. GSM-19, Overhauser

Data Acquisition System

(RMS-DAARCSDD DAS & Adaptive Aeromagnetic Real-Time Compensator)

Navigation Specifications

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

Flight path

GPS data recorded during the flight was realtime differentially corrected, post-processed then transformed to the UTM coordinate system

1575 Flight Line Number — Fiducial Number

Flight Line Direction — 6000

Maps : Hydrographic Information, 1:50 K scale.

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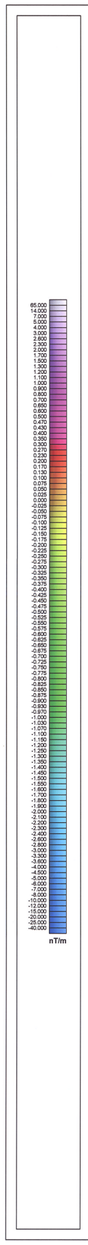
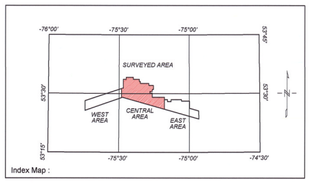
Notes :

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

Data Gridding Cell Size ..... 18.75 m





Index Map :

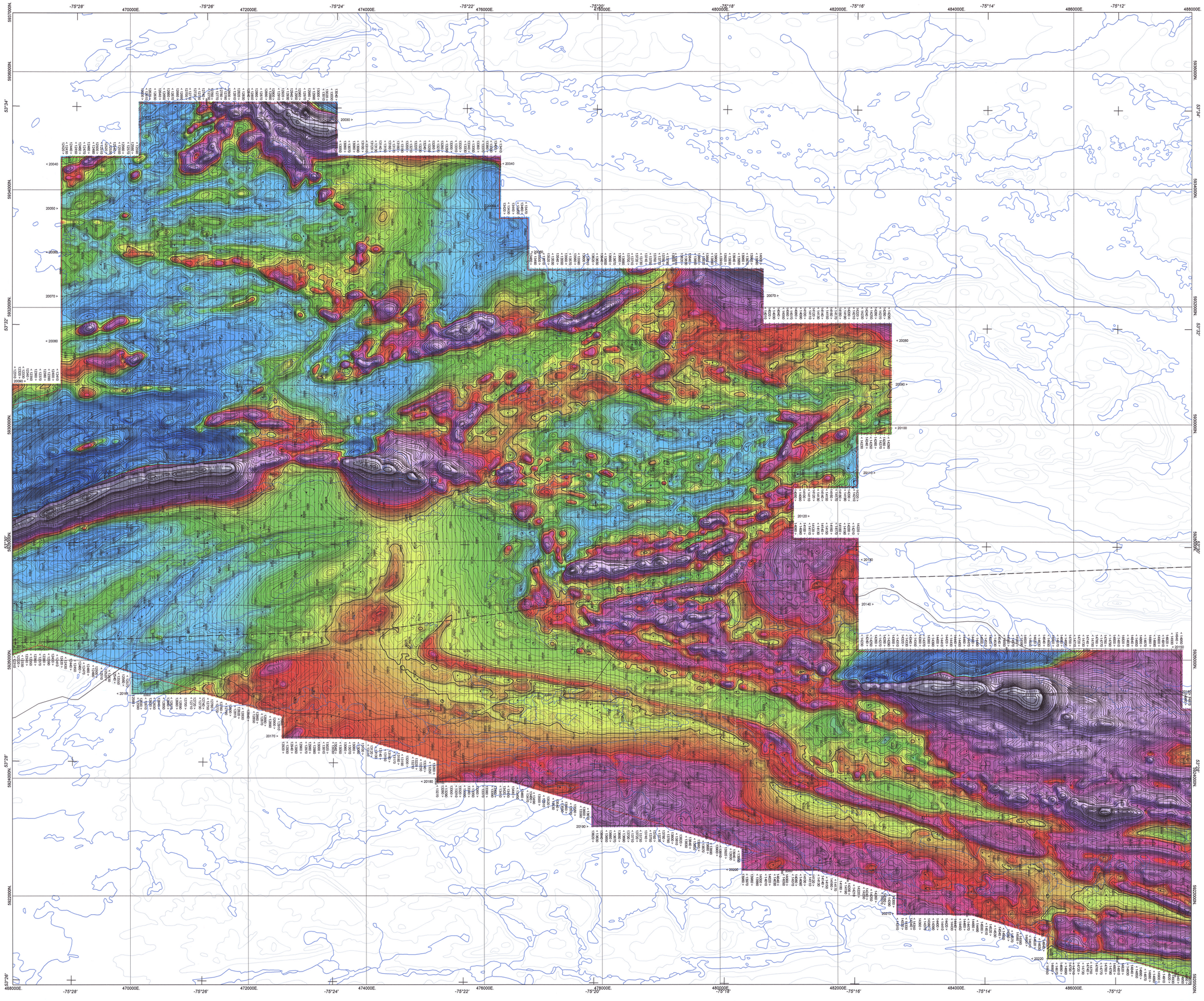
SERVICES TECHNIQUES GEONORDIC Inc.

Client :	
Project :	Helicopter-Borne Magnetic Survey
Area :	Plex Property, Central Area, James-Bay Region, Quebec
Title :	Shadow; Inc. 45° , Dec. N 45° E Magnetic First Vertical Derivative (nT/m)
scale :	500 0 500 1000 1500 metres 1: 20 000

GDS GEO DATA SOLUTIONS GDS Inc.

Date : Dec. 19, 2011 | Ref # : 1VDSTG-PLX-20Ca

GM 66877



SERVICES TECHNIQUES GEONORDIC Inc.

nT

Specification, Notes and Legends

Line Survey Specifications

Total line Kilometres :	4940
Line Azimuth :	N 0° E
Line Spacing :	75 m
Tie Azimuth :	N90° E
Tie Spacing :	750 m

Geodetic Specifications

Map Projection :	UTM
UTM zone :	18 North
Central Meridian :	75° West
Datum :	WGS84
False Easting :	500 000
False Northing :	0
Scale Factor :	0.9996

Helicopter Specifications

Helicopter :	ASTAR 350 BA+
Average Speed :	45 m/s
Average Height Above Ground :	35 m

Magnetometer Specifications

Magnetometer :	Geometrics Cesium
Magnetometer Installation :	Stinger
Sample Rate :	10 Hz
Base Station Magnetometer :	GEM, GSM-19, Overhauser

Data Acquisition System

[RMS-DAARC500 DAS & Adaptive Aeromagnetic Real-Time Compensator]

Navigation Specifications

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

Flight path

GPS data recorded during the flight was realtime differentially corrected, post-processed then transformed to the UTM coordinate system

< 1575 — Flight Line Number — Fiducial Number

Flight Line Direction 6600

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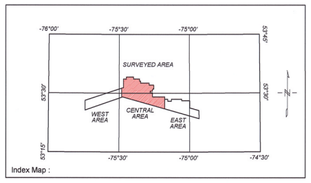
Notes :

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

Data Gridding Cell Size ..... 18.75 m

Map Contours Are In NanoTesla

25 nT	
100 nT	
500 nT	
10000 nT	



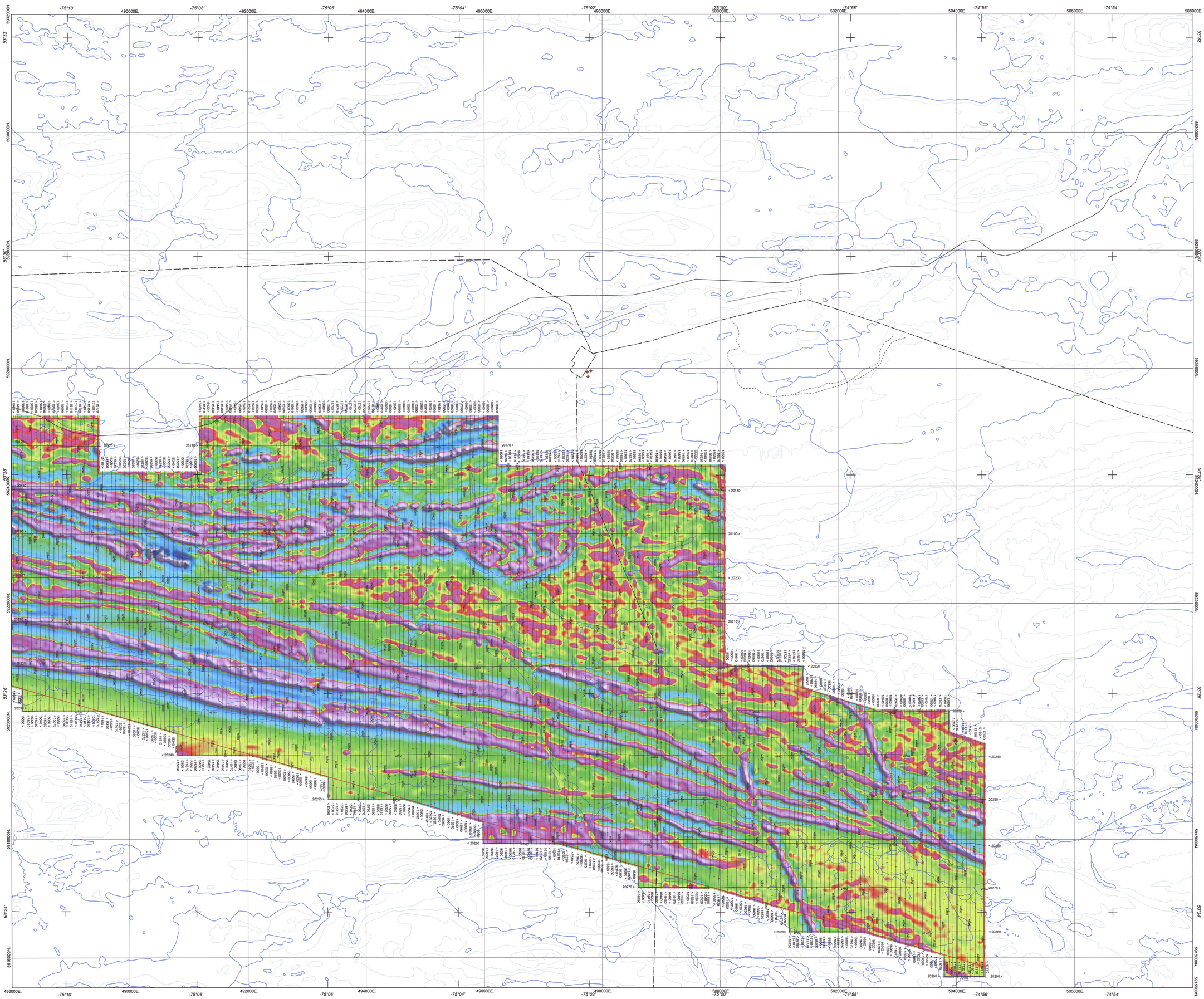
Index Map :

Client :	SERVICES TECHNIQUES GEONORDIC Inc.
Project :	Helicopter-Borne Magnetic Survey
Area :	Plex Property, Central Area, James-Bay Region, Quebec
Title :	Shadow: Inc. 45° , Dec. N 45° E Residual Magnetic Field Contoured at 5 nT Intervals
scale :	500 0 500 1000 1500 metres 1: 20 000

GDS — GEO DATA SOLUTIONS GDS Inc.

Project # : P11039	Date : Dec. 19, 2011	Ref # : RMFSTG-PLX-20Ca

GM 66877



SERVICES TECHNIQUES GEONORDIC Inc.

Specification, Notes and Legends

Line Survey Specifications

Total line Kilometres :	4940
Line Azimuth :	N 0° E
Line Spacing :	75 m
Tie Azimuth :	N90° E
Tie Spacing :	750 m

Geodetic Specifications

Map Projection :	UTM
UTM zone :	18 North
Central Meridian :	75° West
Datum :	WGS84
False Easting :	500 000
False Northing :	0
Scale Factor :	0.9996

Helicopter Specifications

Helicopter :	ASTAR 350 BA+
Average Speed :	45 m/s
Average Height Above Ground :	35 m

Magnetometer Specifications

Magnetometer :	Geometrics Cesium
Magnetometer installation :	Stinger
Sample Rate :	10 Hz
Base Station Magnetometer :	GEM. GSM-19, Overhauser

Data Acquisition System

(RMS-DAARC500 DAS & Adaptive Aeromagnetic Real-Time Compensator)

Navigation Specifications

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

Flight path

GPS data recorded during the flight was realtime differentially corrected, post-processed then transformed to the UTM coordinate system

1575 — Flight Line Number — Fiducial Number

Flight Line Direction — 6000

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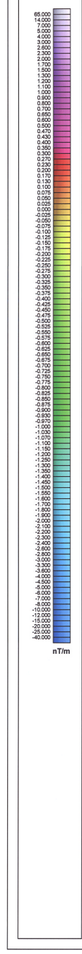
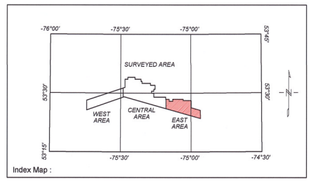
Notes :

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

Data Gridding Cell Size ..... 18.75 m





Index Map :

SERVICES TECHNIQUES GEONORDIC Inc.

Client :	
Project :	Helicopter-Borne Magnetic Survey
Area :	Plex Property, East Area, James-Bay Region, Quebec
Title :	Shadow: Inc. 45° , Dec. N 45° E Magnetic First Vertical Derivative (nT/m)
scale :	500 0 500 1000 1500 metres 1: 20 000

GEO DATA SOLUTIONS GDS Inc.

Project # : P11039	Date : Dec. 18, 2011	Ref # : 1VDSTG-PLX-20Ea

GM 66877

SERVICES TECHNIQUES GEONORDIC Inc.

Specification, Notes and Legends

Line Survey Specifications

Total line Kilometres : 4940
Line Azimuth : N 0° E
Line Spacing : 75 m
Tie Azimuth : N90° E
Tie Spacing : 750 m

Geodetic Specifications

Map Projection : UTM
UTM zone : 18 North
Central Meridian : 75° West
Datum : WGS84
False Easting : 500 000
False Northing : 0
Scale Factor : 0.9996

Helicopter Specifications

Helicopter : ASTAR 350 BA+
Average Speed : 45 m/s
Average Height Above Ground : 35 m

Magnetometer Specifications

Magnetometer : Geometrics Cesium
Magnetometer Installation : Stinger
Sample Rate : 10 Hz
Base Station Magnetometer : GEM, GSM-19, Overhauser

Data Acquisition System

(RMS-DAARC500 DAS & Adaptive Aeromagnetic Real-Time Compensator)

Navigation Specifications

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

Flight path

GPS data recorded during the flight was realtime differentially corrected, post-processed then transformed to the UTM coordinate system.

< 1575 — Flight Line Number — Fiducial Number 6600
Flight Line Direction

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.

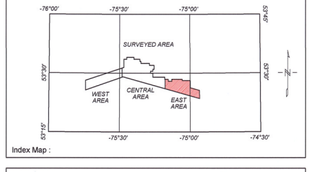
Data Gridding Cell Size ..... 18.75 m

Map Contours Are in NanoTesla

5 nT .....
25 nT .....
100 nT .....
500 nT .....
1000 nT .....

11000 6000 2000 1900 1800 1700 1600 1500 1400 1300 1200 1100 1000 900 800 700 650 600 550 500 450 400 350 300 250 240 230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 -10 -20 -30 -40 -50 -60 -70 -80 -90 -100 -110 -120 -130 -140 -150 -160 -170 -180 -190 -200 -210 -220 -230 -240 -250 -260 -270 -280 -290 -300 -350 -400 -450 -500 -550 -600 -650 -700 -750 -800 -850 -900 -950 -1000

nT



Index Map :

SERVICES TECHNIQUES GEONORDIC Inc.

Client :

Project : Helicopter-Borne Magnetic Survey

Area : Plex Property, East Area, James-Bay Region, Quebec

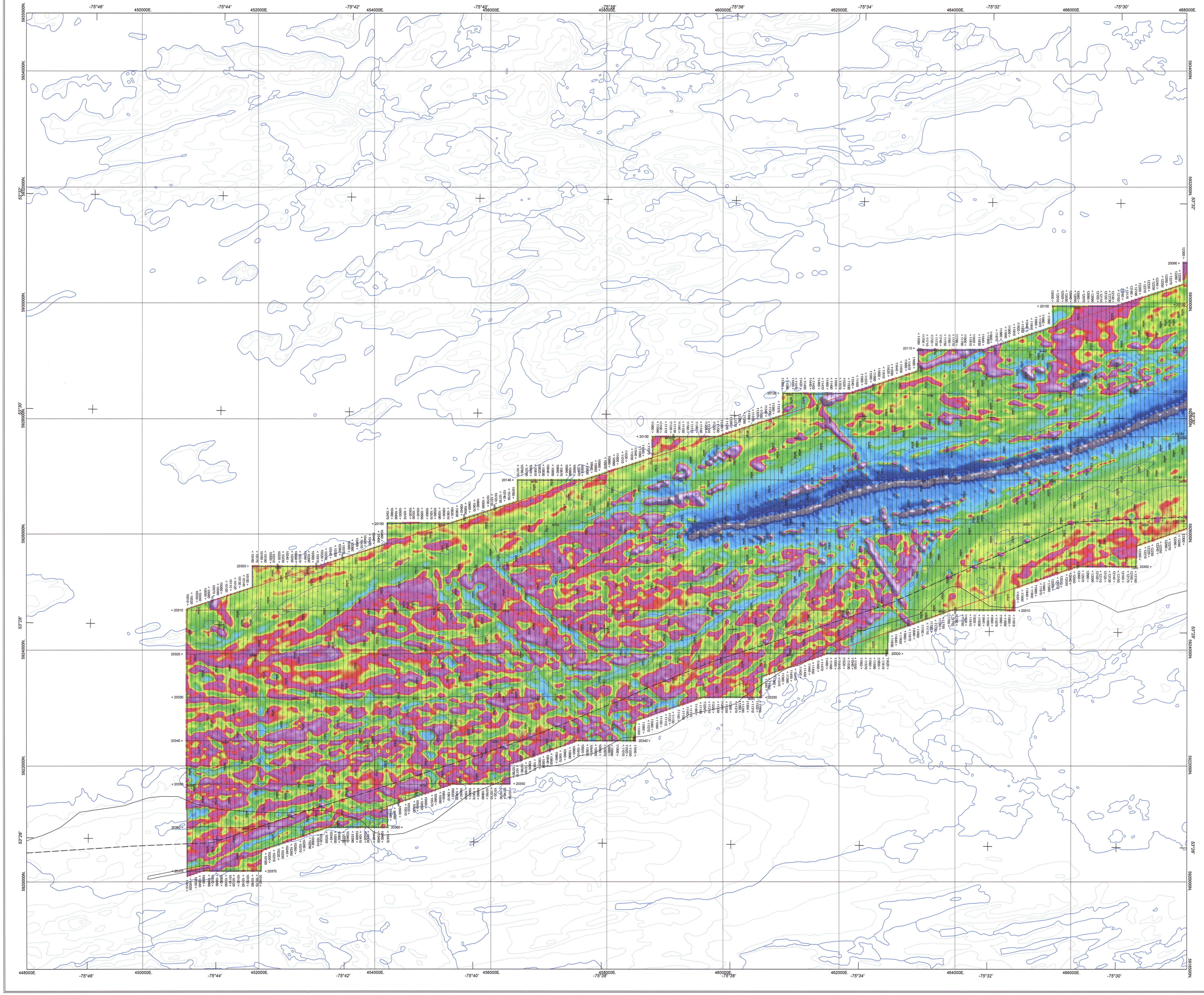
Title : Shadow: Inc. 45°, Dec. N 45° E
Residual Magnetic Field
Contoured at 5 nT Intervals

scale : 1: 20 000 — 500 0 500 1000 1500 metres

GEO DATA SOLUTIONS GDS Inc.

Project # : P11039	Date : Dec. 19, 2011	Ref # : RMFSTG-PLX-20Ea

GM 66877



SERVICES TECHNIQUES GEONORDIC Inc.

Specification, Notes and Legends

Line Survey Specifications

Total line Kilometres : 4940
Line Azimuth : .... N 0° E
Line Spacing : .... 75 m
Tie Azimuth : .... N90° E
Tie Spacing : .... 750 m

Geodetic Specifications

Map Projection : .... UTM
UTM zone : .... 18 North
Central Meridian : .... 75° West
Datum : WGS84
False Easting : 500 000
False Northing : 0
Scale Factor : 0.9996

Helicopter Specifications

Helicopter : .... ASTAR 350 BA+
Average Speed : .... 45 m/s
Average Height Above Ground : .... 35 m

Magnetometer Specifications

Magnetometer : .... Geometrics Cesium
Magnetometer Installation : .... Stinger
Sample Rate : .... 10 Hz
Base Station Magnetometer : .... GEM. GSM-19, Overhauser

Data Acquisition System

(RMS-DAARC500 DAS & Adaptive Aeromagnetic Real-Time Compensator)

Navigation Specifications

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

Flight path

GPS data recorded during the flight was realtime differentially corrected, post-processed then 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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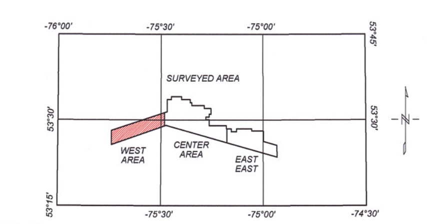
Notes :

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

Data Gridding Cell Size .... 18.75 m



Index Map :

SERVICES TECHNIQUES GEONORDIC Inc.

Client :

Project : Helicopter-Borne Magnetic Survey

Area : Plex Property, West Area, James-Bay Region, Quebec

Title : Shadow: Inc. 45° , Dec. N 45° E
Magnetic First Vertical Derivative
(nT/m)

scale : 500 0 500 1000 1500 metres
1: 20 000

GEO DATA SOLUTIONS GDS Inc.

Project # : P11039	Date : Dec. 19, 2011	Ref # : 1VDSTG-PLX-20Wa

GM 66877

SERVICES TECHNIQUES GEONORDIC Inc.

Specification, Notes and Legends

Line Survey Specifications

Total line Kilometres :	4940
Line Azimuth :	N 0° E
Line Spacing :	75 m
Tie Azimuth :	N90° E
Tie Spacing :	750 m

Geodetic Specifications

Map Projection :	UTM
UTM zone :	18 North
Central Meridian :	75° West
Datum :	WGS84
False Easting :	500 000
False Northing :	0
Scale Factor :	0.9996

Helicopter Specifications

Helicopter :	ASTAR 350 B4+
Average Speed :	45 m/s
Average Height Above Ground :	35 m

Magnetometer Specifications

Magnetometer :	Geometrics Cesium
Magnetometer Installation :	Stinger
Sample Rate :	10 Hz
Base Station Magnetometer :	GEM, GSM-19, Overhauser

Data Acquisition System

(RMS-DAARC500 DAS & Adaptive Aeromagnetic Real-Time Compensator)

Navigation Specifications

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

Flight path

GPS data recorded during the flight was realtime differentially corrected, post-processed then transformed to the UTM coordinate system

< 1575 — Flight Line Number — Fiducial Number

Flight Line Direction — end

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

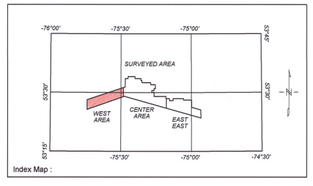
Magnetic data were corrected for diurnal drift, tie line levelled and micro levelled.

Data Gridding Cell Size ..... 18.75 m

Map Contours Are In NanoTesla

0 nT :	
100 nT :	
500 nT :	
10000 nT :	

nT



Index Map :

SERVICES TECHNIQUES GEONORDIC Inc.

Client :

Project : Helicopter-Borne Magnetic Survey

Area : Plex Property, West Area, James-Bay Region, Quebec

Shadow: Inc. 45°, Dec. N 45° E

Title : Residual Magnetic Field

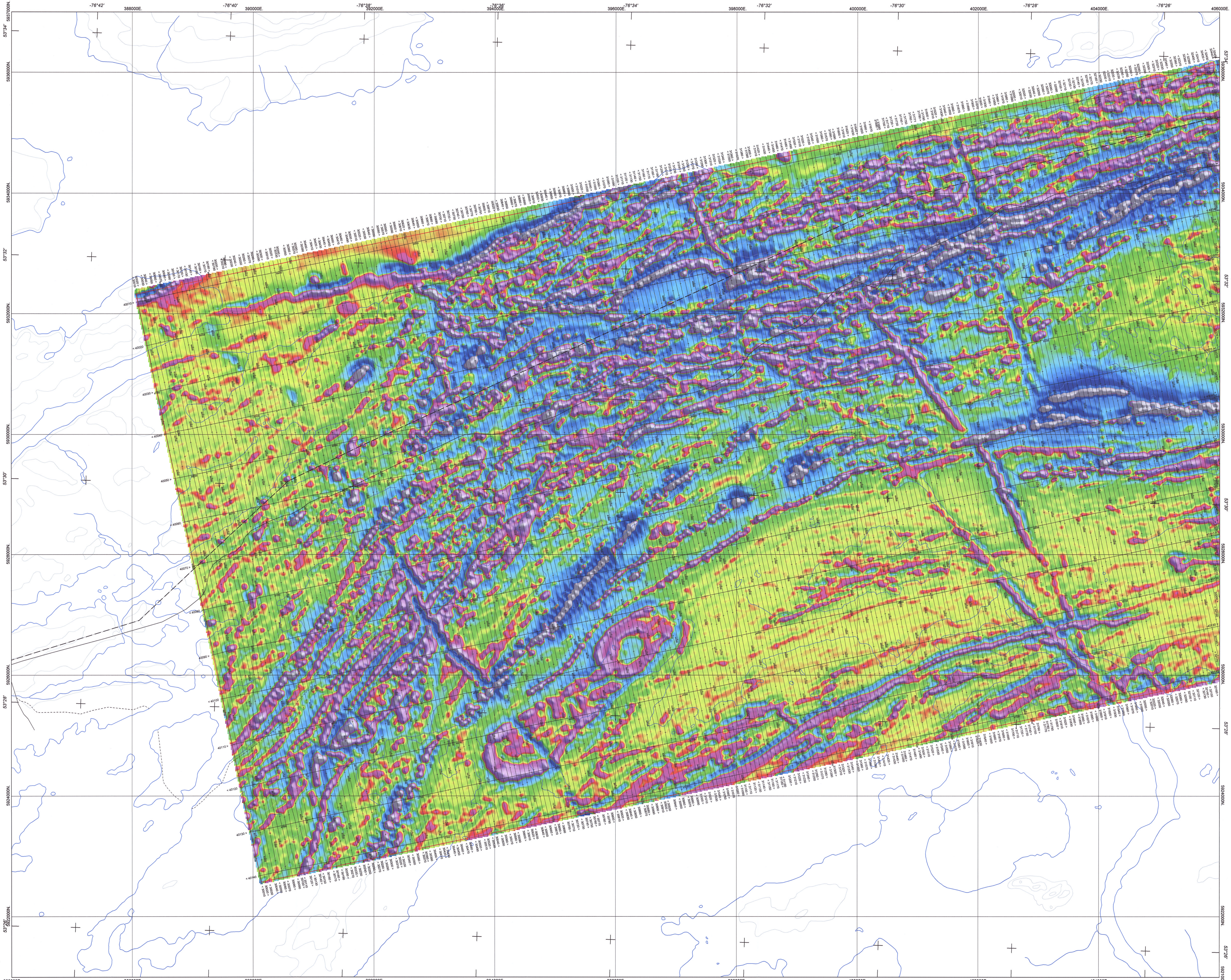
Contoured at 5 nT Intervals

scale : 500 0 500 1000 1500 metres — 1: 20 000

GEO DATA SOLUTIONS GDS Inc.

Project # : P11039	Date : Dec. 19, 2011	Ref # : RMFSTG-PLX-20Wa

GM 66877



SERVICES TECHNIQUES GEONORDIC Inc.

Specification, Notes and Legends

Line Survey Specifications

Total line Kilometres : 4241
Line Azimuth : N 78° E
Line Spacing : 75 m
Tie Azimuth : N 168° E
Tie Spacing : 750 m

Geodetic Specifications

Map Projection : UTM
UTM zone : 18 North
Central Meridian : 75° West
Datum : WGS84
False Easting : 500 000
False Northing : 0
Scale Factor : 0.9996

Helicopter Specifications

Helicopter : ASTAR 350 BA+
Average Speed : 45 m/s
Average Height Above Ground : 35 m

Magnetometer Specifications

Magnetometer : Geometrics Cesium
Magnetometer Installation : Stinger
Sample Rate : 10 Hz
Base Station Magnetometer : GEM. GSM-19, Overhauser

Data Acquisition System

(RMS-DAARC500 DAS & Adaptive Aeromagnetic Real-Time Compensator)

Navigation Specifications

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

Flight path

GPS data recorded during the flight was realtime differentially corrected, post-processed then 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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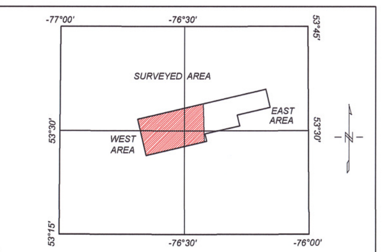
Notes :

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

Data Gridding Cell Size 18.5 m

nT/m



Index Map :

SERVICES TECHNIQUES GEONORDIC Inc.

Client :	
Project :	Helicopter-Borne Magnetic Survey
Area :	La Grande-Sud Property, West Area, James-Bay Region, Quebec
Title :	Shadow: Inc. 45° , Dec. N 350° E Magnetic First Vertical Derivative (nT/m)
scale :	500 0 500 1000 1500 metres 1: 20 000

GEO DATA SOLUTIONS GDS Inc.

Project # : P11039	Date : Dec. 19, 2011	Ref # : 1VDSTG-GRD-20W

GM 66877

SERVICES TECHNIQUES GEONORDIC Inc.

Specification, Notes and Legends

Line Survey Specifications

Total line Kilometres	4241
Line Azimuth	N 78° E
Line Spacing	75 m
Tie Azimuth	N 168° E
Tie Spacing	750 m

Geodetic Specifications

Map Projection	UTM
UTM zone	18 North
Central Meridian	75° West
Datum	WGS84
False Easting	500 000
False Northing	0
Scale Factor	0.9996

Helicopter Specifications

Helicopter	ASTAR 350 BA+
Average Speed	45 m/s
Average Height Above Ground	35 m

Magnetometer Specifications

Magnetometer	Geometrics Cesium
Magnetometer Installation	Stinger
Sample Rate	10 Hz
Base Station Magnetometer	GEM. GSM-19, Overhauser

Data Acquisition System

(RMS-GAARD30 DAS & Adaptive Aeromagnetic Real-Time Compensator)

Navigation Specifications

Radar Altimeter	FreeFlight TRA-3000
GPS Receiver	Novatel OL-V3
GPS Differential Correction	Omnistar
GPS Sample Rate	1 s

Flight path

GPS data recorded during the flight was realtime differentially corrected, post-processed then transformed to the UTM coordinate system

1575 Flight Line Number — Fiducial Number 600

Flight Line Direction

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.

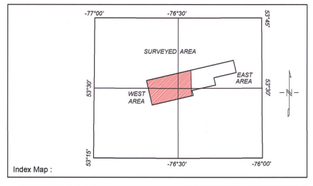
Data Gridding Cell Size ..... 18.5 m

Map Contours Are In NanoTesla

5 nT	
25 nT	
1000 nT	

1000 600 400 300 250 225 200 175 150 125 115 100 85 75 60 50 40 25 15 5 0 -5 -15 -25 -35 -40 -50 -60 -65 -70 -75 -80 -90 -95 -100 -110 -115 -120 -125 -130 -135 -140 -145 -150 -155 -160 -165 -170 -175 -180 -185 -190 -195 -200 -205 -210 -215 -220 -225 -230 -235 -240 -245 -250 -255 -260 -265 -270 -275 -280 -285 -290 -295 -300 -305 -310 -315

nT



Index Map :

SERVICES TECHNIQUES GEONORDIC Inc.

Client :

Project : Helicopter-Borne Magnetic Survey

Area : La Grande-Sud Property, West Area, James-Bay Region, Quebec

Title : Shadow: Inc: 45° Dec: N 350° E
Residual Magnetic Field
Contoured at 5 nT Intervals

scale : 500 0 500 1000 1500 metres
1: 20 000

GEO DATA SOLUTIONS GDS Inc.

Project # : P11039	Date : Dec. 19, 2011	Ref # : RMFSTG-GRD-20W

GM 66877

SERVICES TECHNIQUES GEONORDIC Inc.

Specification, Notes and Legends

Line Survey Specifications

Total line Kilometres	4241
Line Azimuth	N 76° E
Line Spacing	75 m
Tie Azimuth	N 166° E
Tie Spacing	750 m

Geodetic Specifications

Map Projection	UTM
UTM zone	18 North
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Helicopter Specifications

Helicopter	ASTAR 350 BA+
Average Speed	45 m/s
Average Height Above Ground	35 m

Magnetometer Specifications

Magnetometer	Geometrics Cesium
Magnetometer Installation	Stinger
Sample Rate	10 Hz
Base Station Magnetometer	GEM. GSM-19, Overhauser

Data Acquisition System

(RMS-DAR/RCS0 DAS & Adaptive Aeromagnetic Real-Time Compensator)

Navigation Specifications

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

Flight path

GPS data recorded during the flight was realtime differentially corrected, post-processed then transformed to the UTM coordinate system

< 1575 — Flight Line Number — Fiducial Number 6000

Flight Line Direction

Maps : Hydrographic Information, 1:50 K scale.

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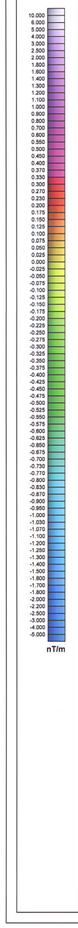
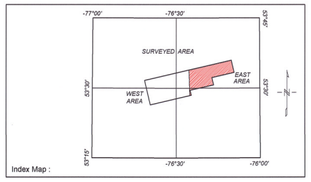
Notes :

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

Data Gridding Cell Size ..... 18.75 m





Index Map :

SERVICES TECHNIQUES GEONORDIC Inc.

Client :

Project : Helicopter-Borne Magnetic Survey

Area : La Grande-Sud Property, East Area, James-Bay Region, Quebec

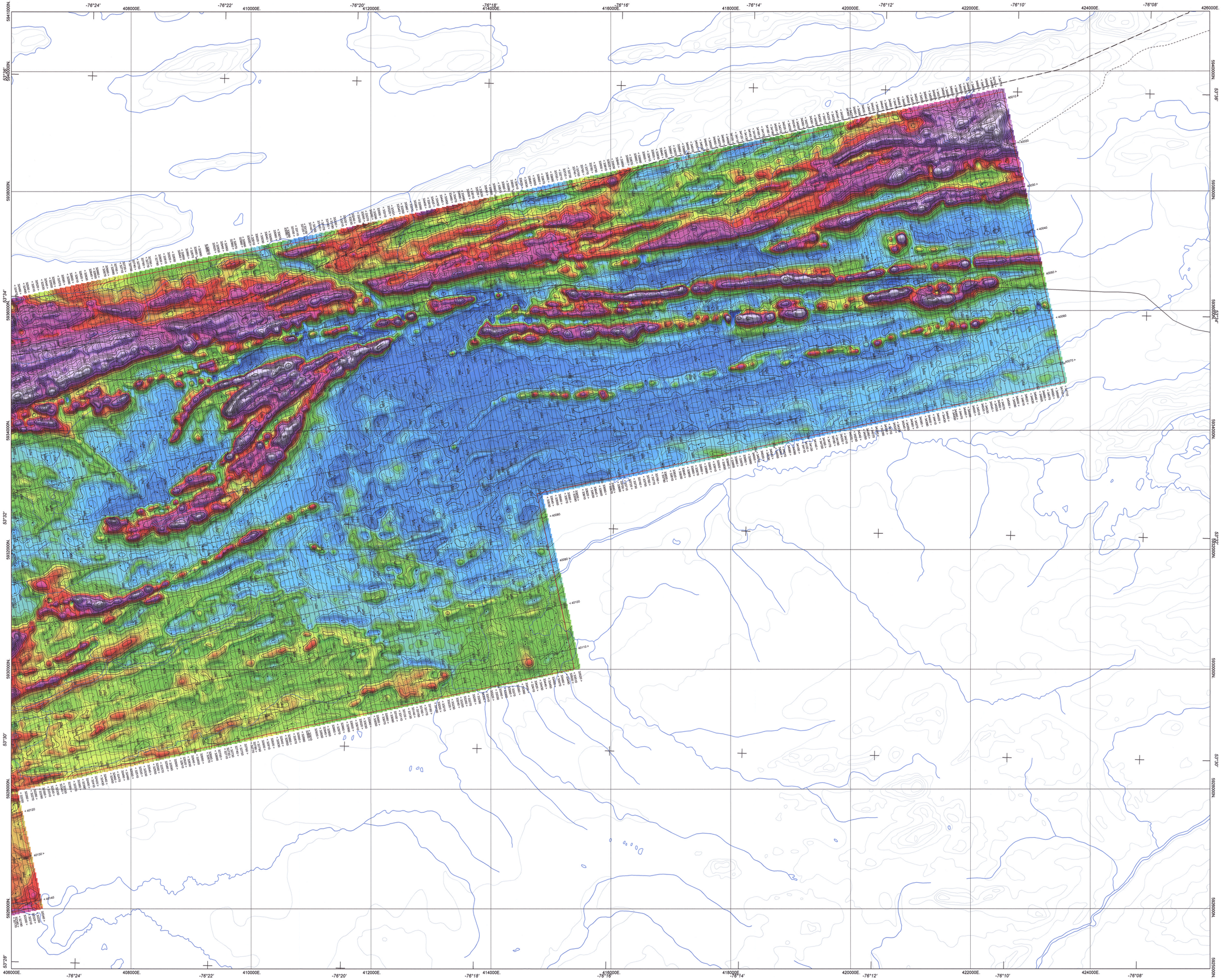
Title : Shadow: Inc. 45°, Dec. N 350° E
Magnetic First Vertical Derivative
(nT/m)

scale : 500 0 500 1000 1500 metres
1: 20 000

GEO DATA SOLUTIONS GDS Inc.

Project # : P11039	Date : Dec. 19, 2011	Ref # : 1VDSTG-GRD-20E

GM 6 6 8 7 7



SERVICES TECHNIQUES GEONORDIC Inc.

Specification, Notes and Legends

Line Survey Specifications

Total line Kilometres :	4241
Line Azimuth :	N 78° E
Line Spacing :	75 m
Tie Azimuth :	N 168° E
Tie Spacing :	750 m

Geodetic Specifications

Map Projection :	UTM
UTM zone :	18 North
Central Meridian :	75° West
Datum :	WGS84
False Easting :	500 000
False Northing :	0
Scale Factor :	0.9996

Helicopter Specifications

Helicopter :	ASTAR 350 BA+
Average Speed :	45 m/s
Average Height Above Ground :	35 m

Magnetometer Specifications

Magnetometer :	Geometrics Cesium
Magnetometer Installation :	Stinger
Sample Rate :	10 Hz
Base Station Magnetometer :	GEM. GSM-19, Overhauser

Data Acquisition System

(RMS-DAARC500 DAS & Adaptive Aeromagnetic Real-Time Compensator)

Navigation Specifications

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

Flight path

GPS data recorded during the flight was realtime differentially corrected, post-processed then 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.

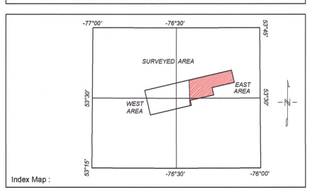
Data Gridding Cell Size ..... 18.75 m

Map Contours Are In NanoTesla

5 nT :	
25 nT :	
100 nT :	
1000 nT :	

1000 600 400 300 250 225 200 175 150 125 113 100 88 75 60 50 40 25 15 5 0 -9 -15 -25 -35 -40 -50 -65 -70 -75 -80 -90 -95 -100 -110 -115 -125 -130 -135 -140 -145 -150 -160 -165 -170 -175 -180 -188 -190 -195 -200 -205 -210 -215 -220 -223 -230 -235 -240 -245 -250 -255 -260 -265 -270 -275 -280 -285 -290 -295 -300 -305 -310 -315

nT



Index Map :

SERVICES TECHNIQUES GEONORDIC Inc.

Client :

Project : Helicopter-Borne Magnetic Survey

Area : La Grande-Sud Property, East Area, James-Bay Region, Quebec

Shadow: Inc. 45°, Dec. N 350° E

Title : Residual Magnetic Field

Contoured at 5 nT Intervals

scale : 500 0 500 1000 1500 metres

1: 20 000

GEO DATA SOLUTIONS GDS Inc.

Project # : P11039	Date : Dec. 19, 2011	Ref # : RMFSTG-GRD-20E

GM 6 6 8 7 7