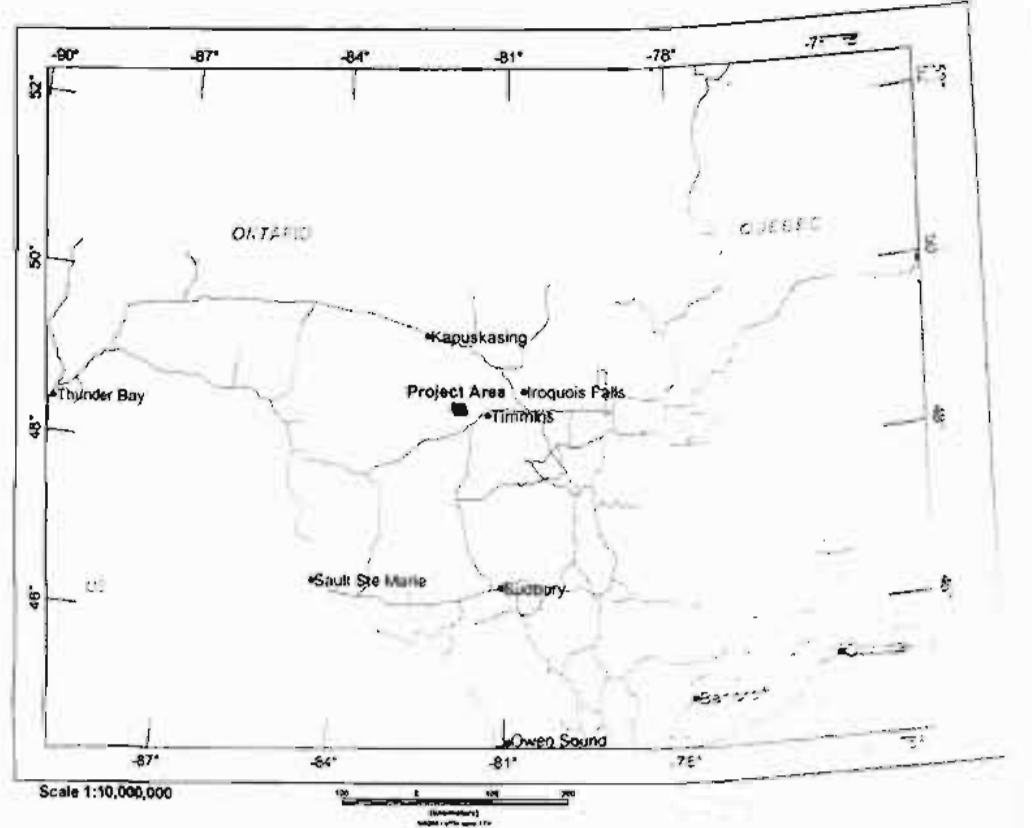


The topographic data base was derived from 1:20,000 Ontario Ministry of Natural Resources data. Elevation data derived from NASDA SRTM data. Elevation data derived from Natural Resources Canada Atlas of Canada, Base Map.

This map accompanies the technical report entitled 'Report on a Magnetometric and Electromagnetic Survey of the Enid-Massey Project, Timmins, Ontario, by Aeroquest Limited, July 2006'.

Grid North  
NAD83 Zone 17



5887.0
5755.0
5744.0
5738.1
5735.3
5728.0
5727.7
5725.0
5724.2
5722.7
5721.3
5718.8
5720.1
5717.7
5716.5
5715.5
5714.4
5713.4
5712.4
5711.4
5710.4
5709.4
5708.4
5707.3
5705.9
5704.4
5702.7
5702.1
5693.5

TM1  
nT

TM1 Contour Interval

- 75nT
- 75 & 250nT
- 1000nT

OK-Time Anomaly Symbols

- >50S
- 35-50S
- 20-35S
- 10-20S
- 5-10S
- 1-5S
- <1S

Cultural Sources

- anomaly label
- decay constant (nT)
- thick/thin source
- 90° time conductance (S)

SURVEY SPECIFICATIONS

Survey from May 17-20, June 13-14, 2006  
 Traverse line spacing: 100 metres  
 Traverse line direction: NE-SW (30°)  
 Nominal EM bird height: 30 metres  
 Aircraft: Aerospacelab A-Star 350B2 (C-FDEV)

INSTRUMENTATION

Data acquisition: ADAS & RMS DGR-33  
 Magnetometer: Geometrics G-823A cesium vapour  
 Installation: Towed bird 17 m above EM bird  
 Sensitivity: 0.01 nanoTesla  
 Electromagnetics: AeroTEM II System (CHARLIE)  
 Configuration: Towed bird

NAVIGATION

Navigation: Differential Global Positioning System (DGPS)  
 Navigation equipment: AGNAV with MED-TECH RX400p receiver  
 Radar Altimeter: Terra TRA3000PRTI-30

DATA PROCESSING

Magnetics: dualist, helix and micro-leveling corrections

POSITIONING

Datum: NAD83  
 Major Axis: 6378137.000  
 Eccentricity: 0.081819191

MAP PROJECTION

Projection: Universal Transverse Mercator  
 Central Meridian: 81°W (Zone 17)  
 Central Scale Factor: 0.9998  
 False Easting/Northing: 500,000/0m

Scale 1:10,000

Laurion Gold Inc.  
 Enid-Massey Project, Timmins, Ontario

TOTAL MAGNETIC INTENSITY

Enid-Massey, Plate 1

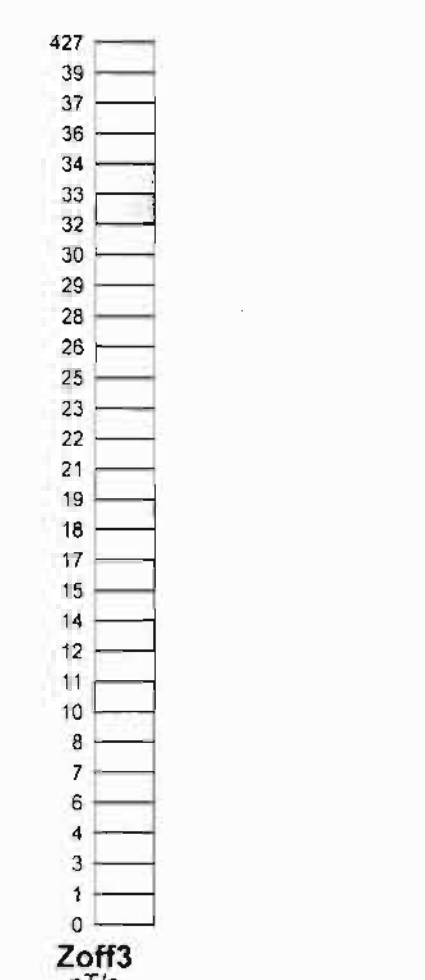
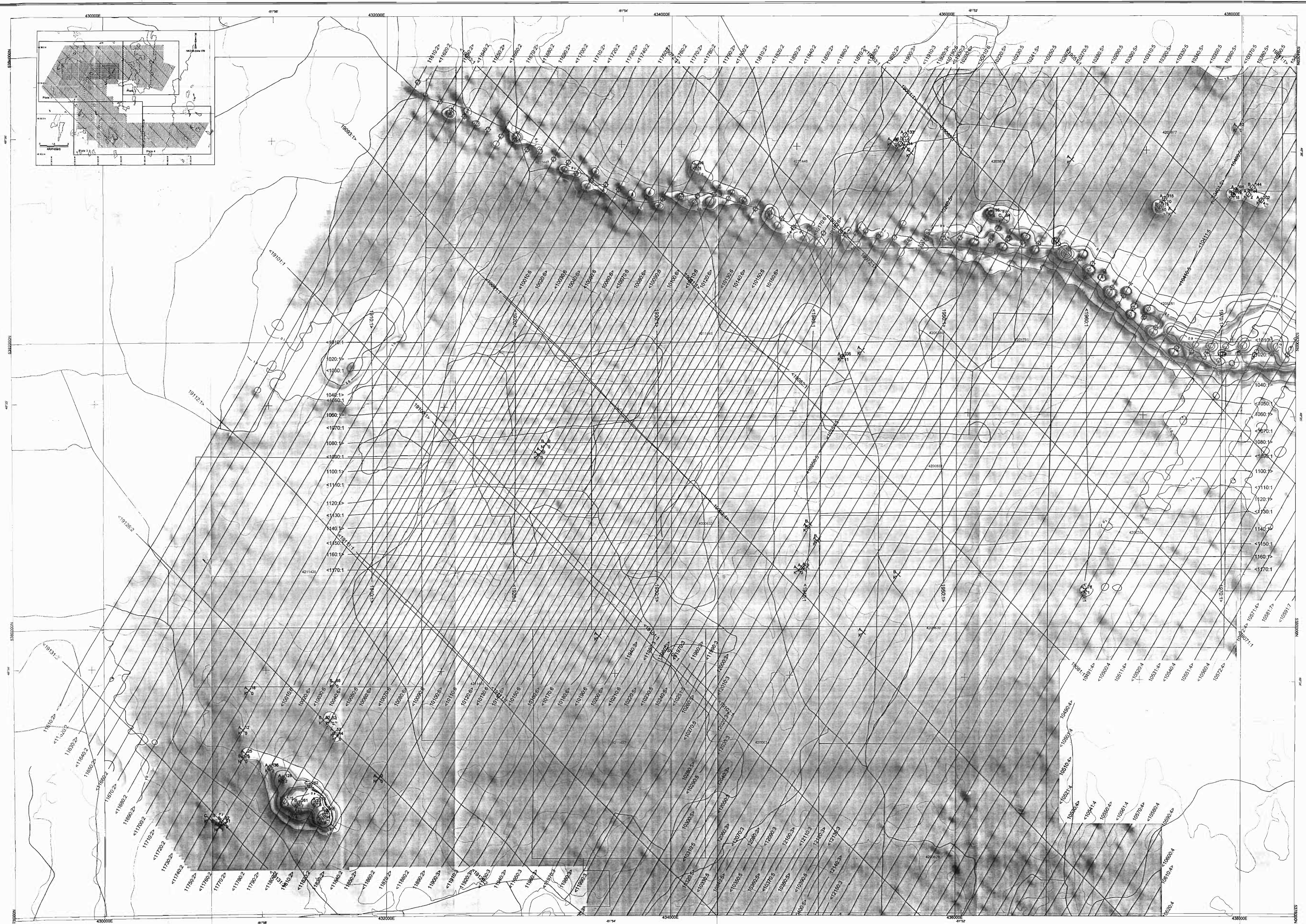
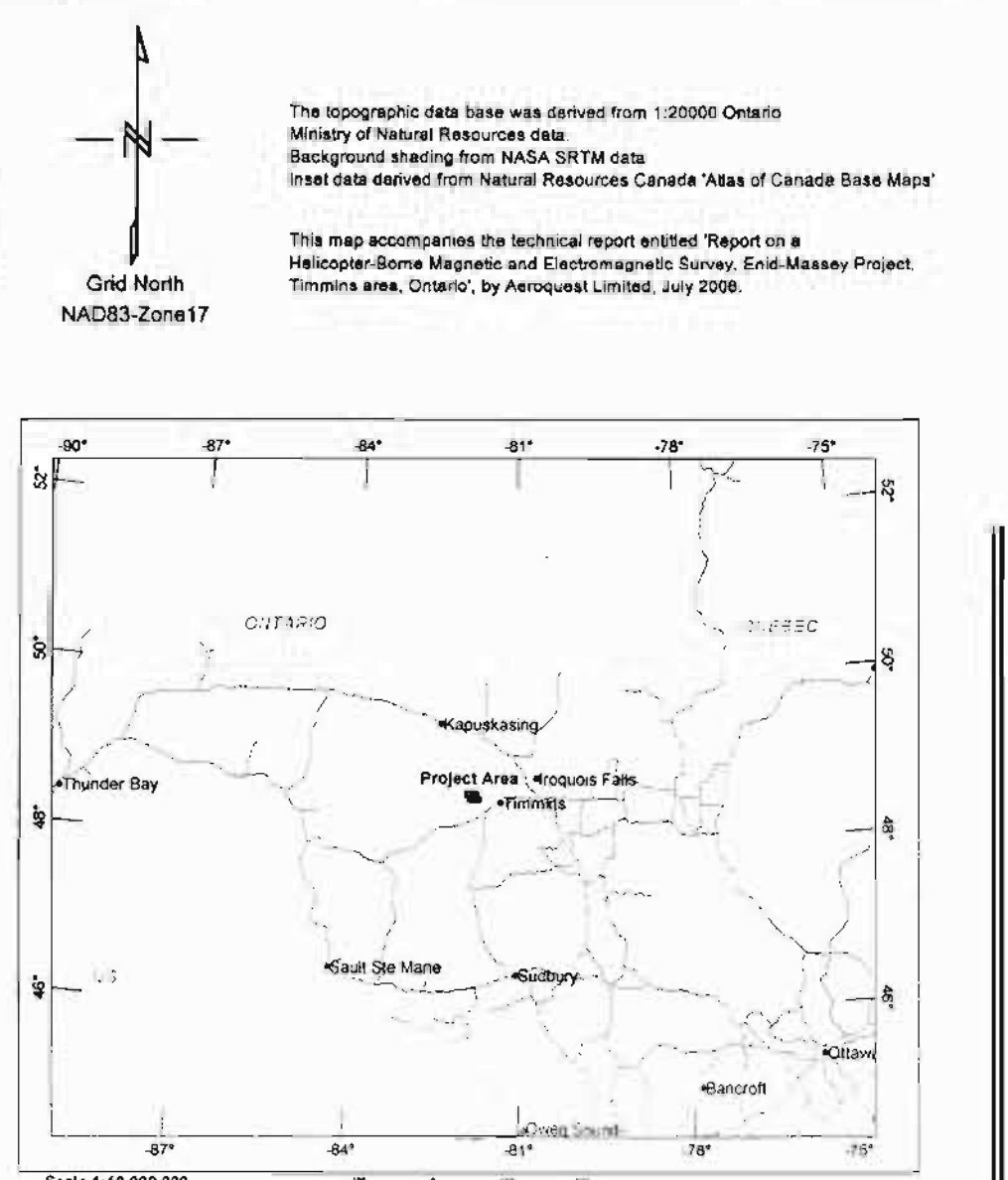
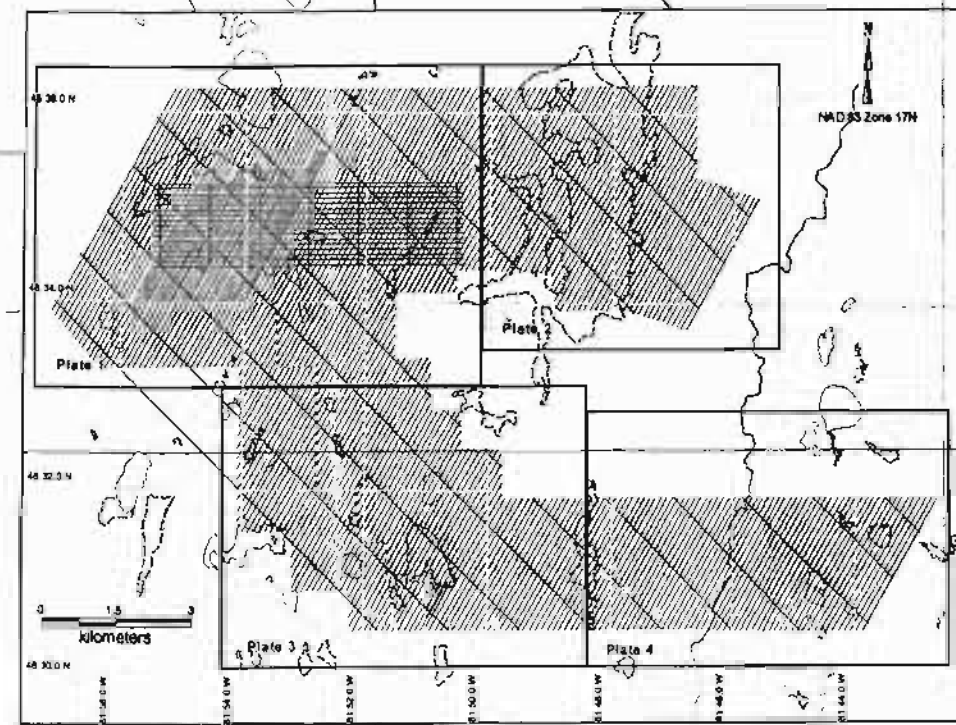
NTS 042A12

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July 2006

MAG Plate 1



- ZOFF Contour Interval
- 10nT/s
  - 50 & 100nT/s
  - 1000nT/s
- GR-Time Anomaly Symbols
- >50S
  - 35-50S
  - 20-35S
  - 10-20S
  - 5-10S
  - 1-5S
  - <1S
  - Cultural Sources
  - anomaly label
  - off-time source
  - off-time constant (s)
  - off-time conductance (S)

**SURVEY SPECIFICATIONS:**  
 Survey from: May 17-20, June 13-14, 2006  
 Traverse line spacing: 100 metres  
 Traverse line direction: NE-SW (30°)  
 Nominal EM bird height: 30 metres  
 Aircraft: Aerospatiale A-Star 350B2 (C-FDEV)

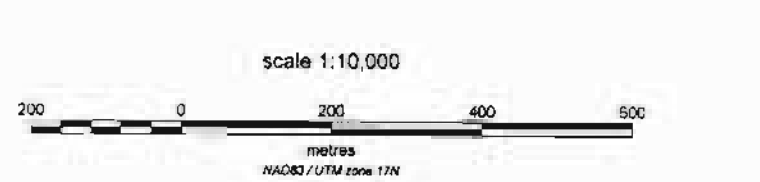
**INSTRUMENTATION:**  
 Data acquisition: ADAS & RMS DCR-33  
 Magnetometer: Geometrics G-823A cesium vapour  
 Installation: Towed bird 17 m above EM bird  
 Sensitivity: 0.01 nanoTesla  
 Electromagnetics: AeroTEM II System (CHARLIE)  
 Configuration: Towed bird

**NAVIGATION:**  
 Navigation: Differential Global Positioning System (DGPS)  
 Navigation equipment: AIGNAV with MEGTECH P-R400p receiver  
 Radar Altimeter: Terra TR33000/FR-30

**DATA PROCESSING:**  
 Magnetic: diurnal, helio and micro-leveling corrections

**POSITIONING:**  
 Datum: NAD83  
 Major Axis: 6378137.000  
 Eccentricity: 0.081818181

**MAP PROJECTION:**  
 Projection: Universal Transverse Mercator  
 Central Meridian: 81°W (Zone 17)  
 Central Scale Factor: 0.9996  
 False Easting/Northing: 500,000m/50m

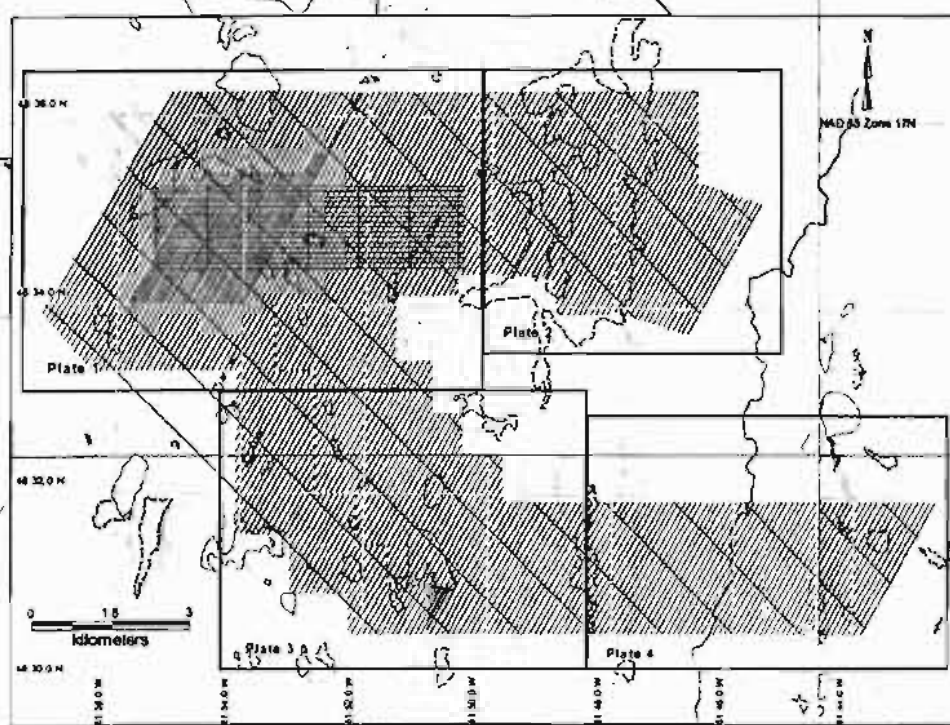


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**AEROTEM Z3 OFF-TIME**  
**Enid-Massey, Plate 1**  
 NTS 042A12

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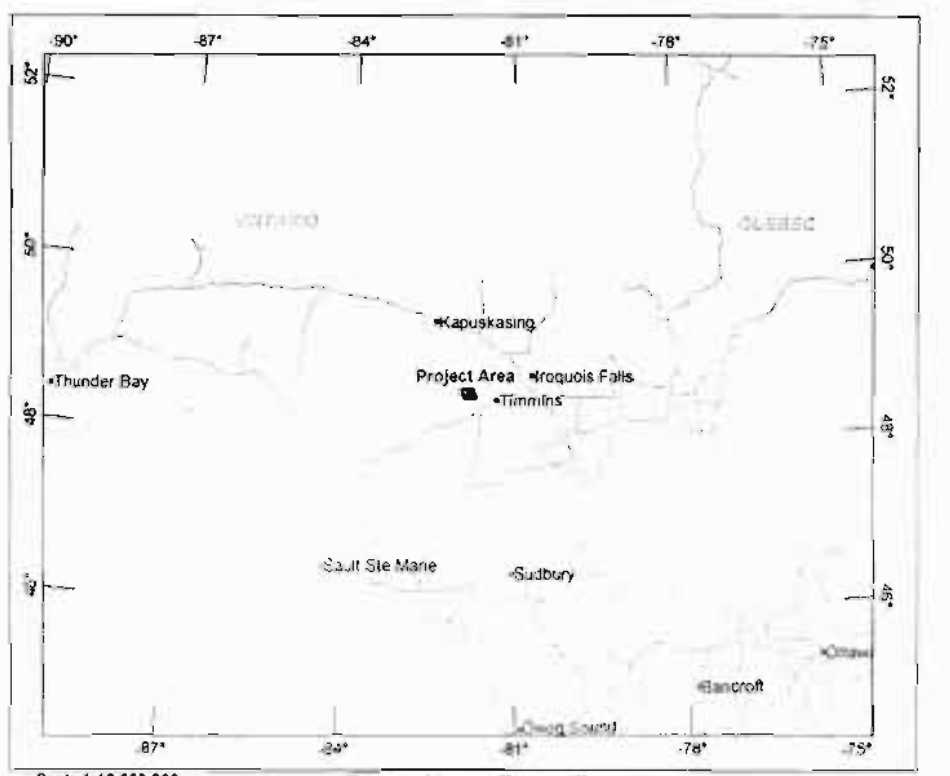
July 2006



The topographic data base was derived from 1:20,000 Ontario Ministry of Natural Resources data. Background shading from NASA SRTM data. Inset data derived from Natural Resources Canada Atlas of Canada Base Map.

This map accompanies the technical report entitled "Report on a Helicopter-Borne Magnetic and Electromagnetic Survey, Enid-Massey Project, Timmins area, Ontario," by Aeroquest Limited, July 2006.

Grid North  
NAD83-Zone 17



- AerOTEM Profiles**
- positive excursion to top and right: 1mm=2mT/s
  - 23 Off-Time Channel
  - 24 Off-Time Channel
  - 25 Off-Time Channel
  - 26 Off-Time Channel
  - 27 Off-Time Channel
  - 28 Off-Time Channel
  - 29 Off-Time Channel
  - 210 Off-Time Channel
  - 211 Off-Time Channel
  - 212 Off-Time Channel
  - 213 Off-Time Channel
- Off-Time Anomaly Symbols**
- >50S
  - 35-50S
  - 20-35S
  - 10-20S
  - 5-10S
  - 1-5S
  - <1S
  - Cultural Sources
- anomaly label A    125 decay constant (µs)
- thick/thin source    off-time conductance (S)

**SURVEY SPECIFICATIONS**

Survey from: May 17-20, June 13-14, 2006  
 Traverse line spacing: 100 metres  
 Traverse line direction: NE-SW (30°)  
 Nominal EM bird height: 30 metres  
 Aircraft: Aerospaciale A-Star 350B2 (C-FOEV)

**INSTRUMENTATION**

Data acquisition: ADAS & RMS DGR-33  
 Magnetometer: Geometrics G-823A (resistivity-coupled)  
 Installation: Towed bird 17 m above EM bird  
 Sensitivity: 201 nanoTesla  
 Electromagnetics: AerOTEM II System (CHARLIE)  
 Configuration: Towed bird

**NAVIGATION**

Navigation: Differential Global Positioning System (DGPS)  
 Navigation equipment: AGNAV with MED-TECH RX409p receiver  
 Radar Altimeter: Terra TR3000/TR1-30

**DATA PROCESSING**

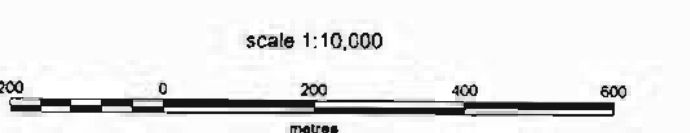
Magnetics: diurnal, heli-line and micro-leveling corrections

**POSITIONING**

Datum: NAD83  
 Major Axis: 6378137.000  
 Eccentricity: 0.081819191

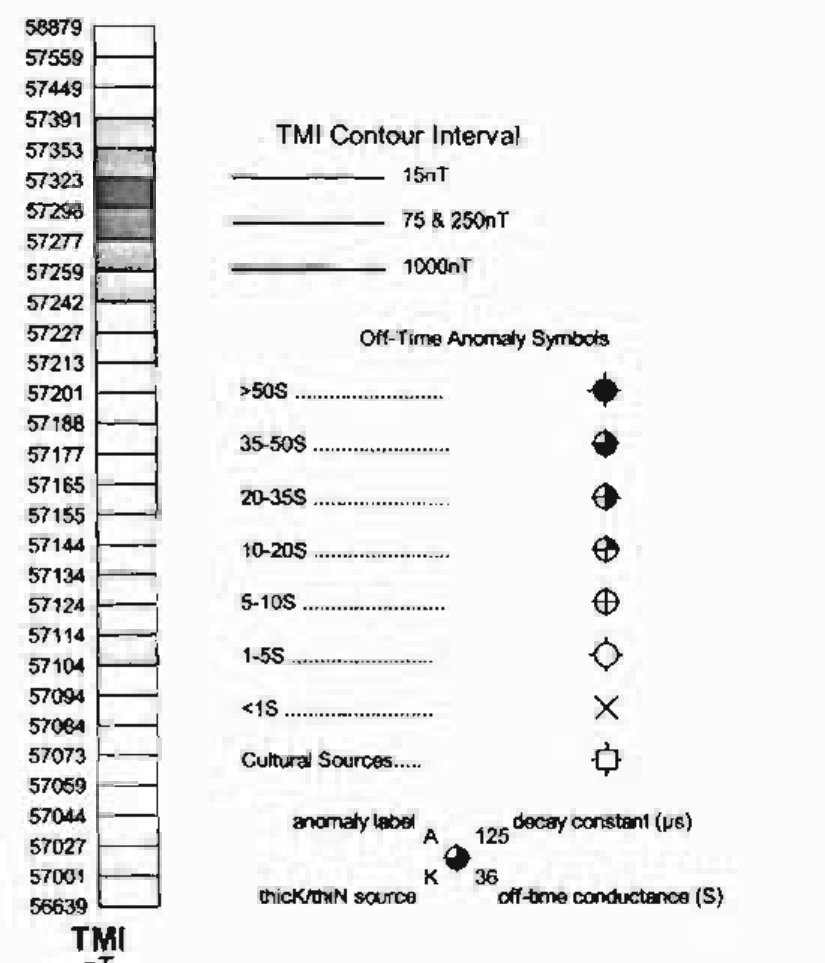
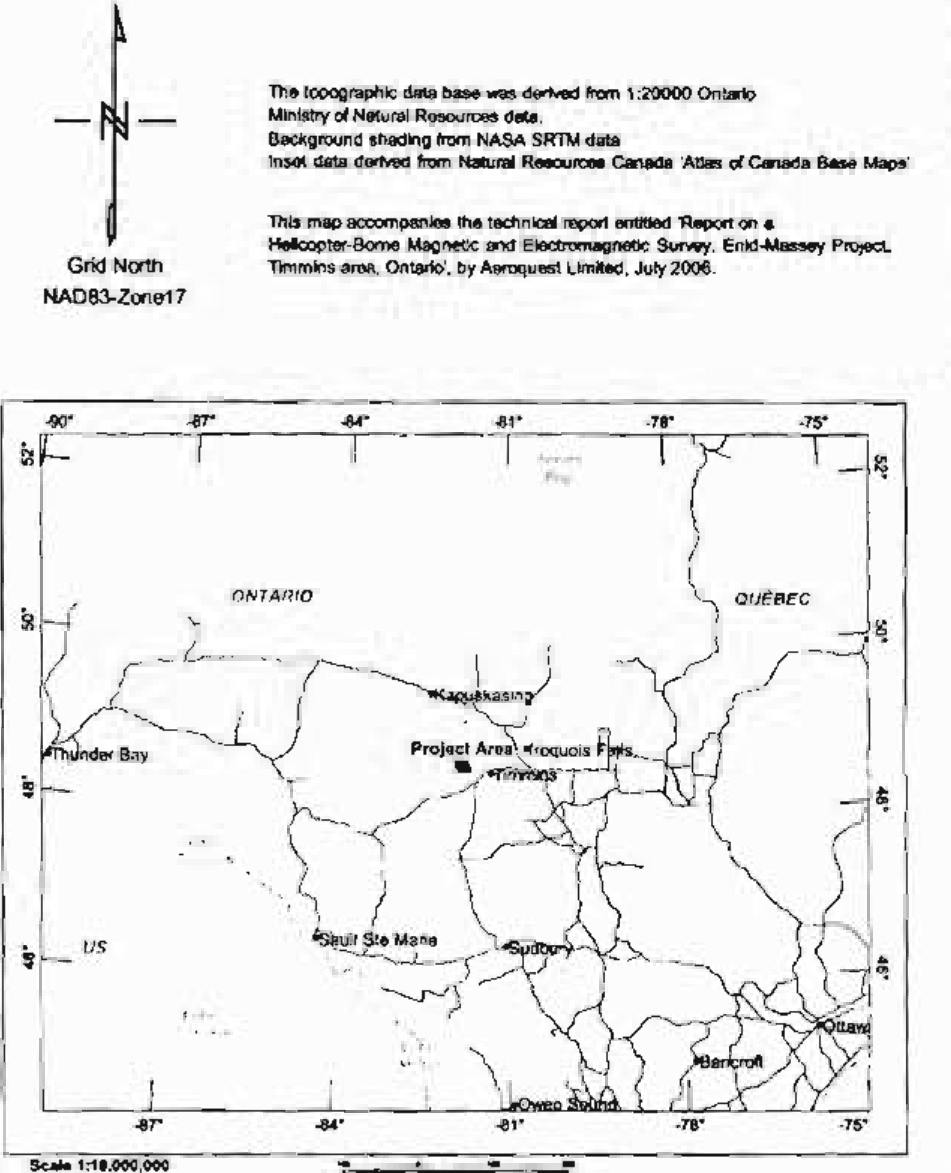
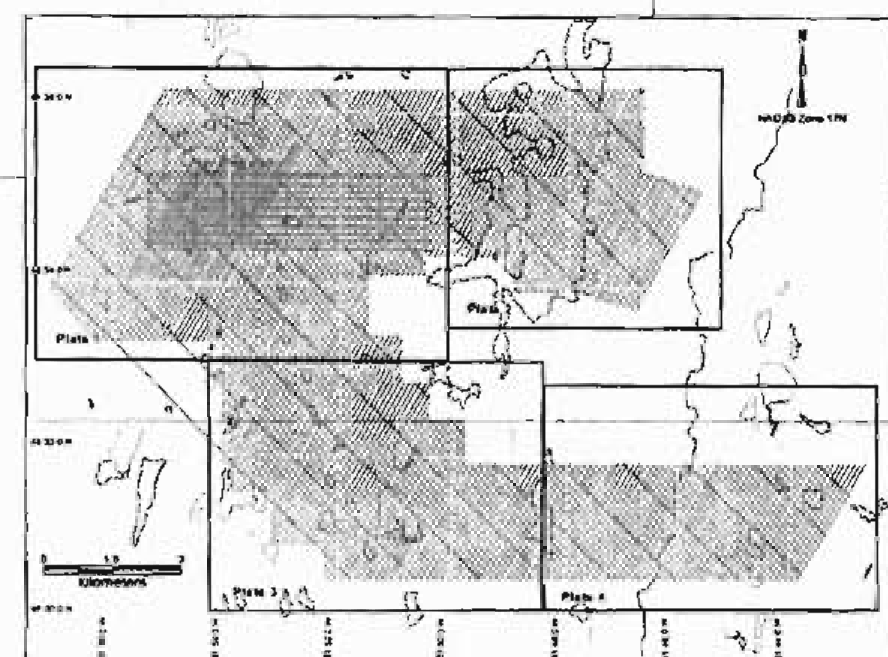
**MAP PROJECTION**

Projection: Universal Transverse Mercator  
 Central Meridian: 81°W (Zone 17)  
 Central Scale Factor: 0.9996  
 False Easting/Northing: 500,000.000m









**SURVEY SPECIFICATIONS:**  
 Survey flow: May 17-20, 2006  
 Traverse line spacing: 100 metres  
 Traverse line direction: NE-SW (30°)  
 Nominal EM bird height: 30 metres  
 Aircraft: Aeromagnetic A-Star 350B2 (C-FDEV)

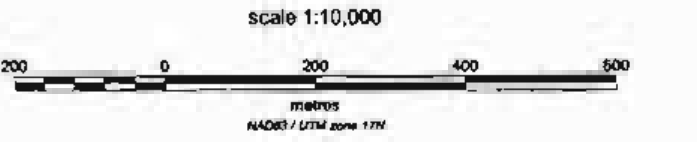
**INSTRUMENTATION:**  
 Data acquisition: ADAS & RMS DGR-33  
 Magnetometer: Geometrics G-823A cesium vapour  
 Installation: Towed bird 17 m above EM bird  
 Sensitivity: .001 nanoTesla  
 Electromagnetics: AeroTEM II System (CHARLIE)  
 Configuration: Towed bird

**NAVIGATION:**  
 Navigation: Differential Global Positioning System (DGPS)  
 Navigation equipment: AGNAV with MID-TECH RX400p receiver  
 Radar Altimeter: Terra TRA3000/TRI-30

**DATA PROCESSING**  
 Magnetics: diurnal, diurnal and micro-leveling corrections

**POSITIONING**  
 Datum: NAD83  
 Major Axis: 6378137.200  
 Eccentricity: 0.081819191

**MAP PROJECTION**  
 Projection: Universal Transverse Mercator  
 Central Meridian: 81°W (Zone 17)  
 Central Scale Factor: 0.9996  
 False Easting/Northing: 500,000m/0m



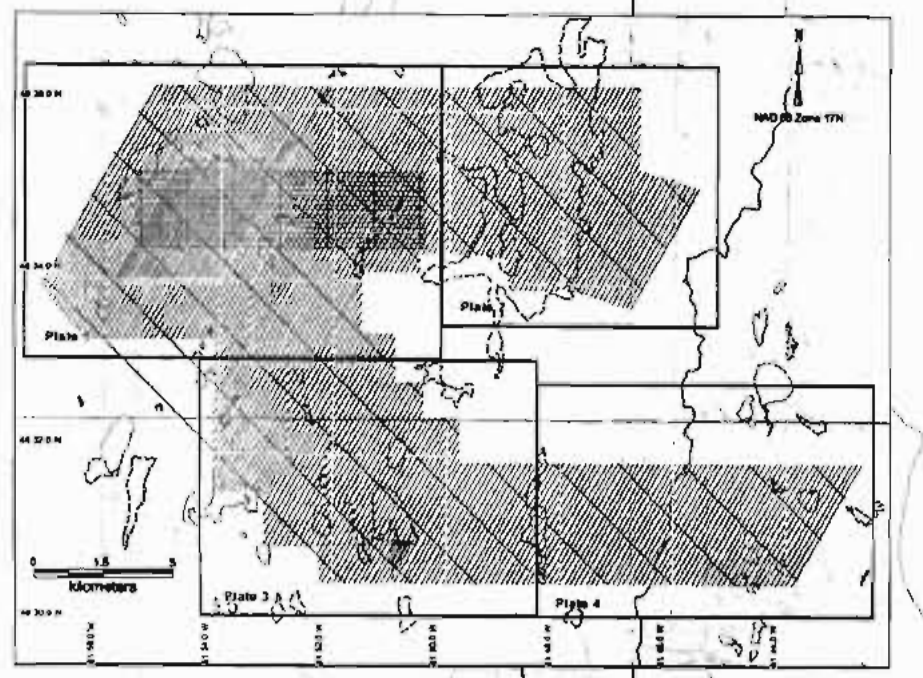
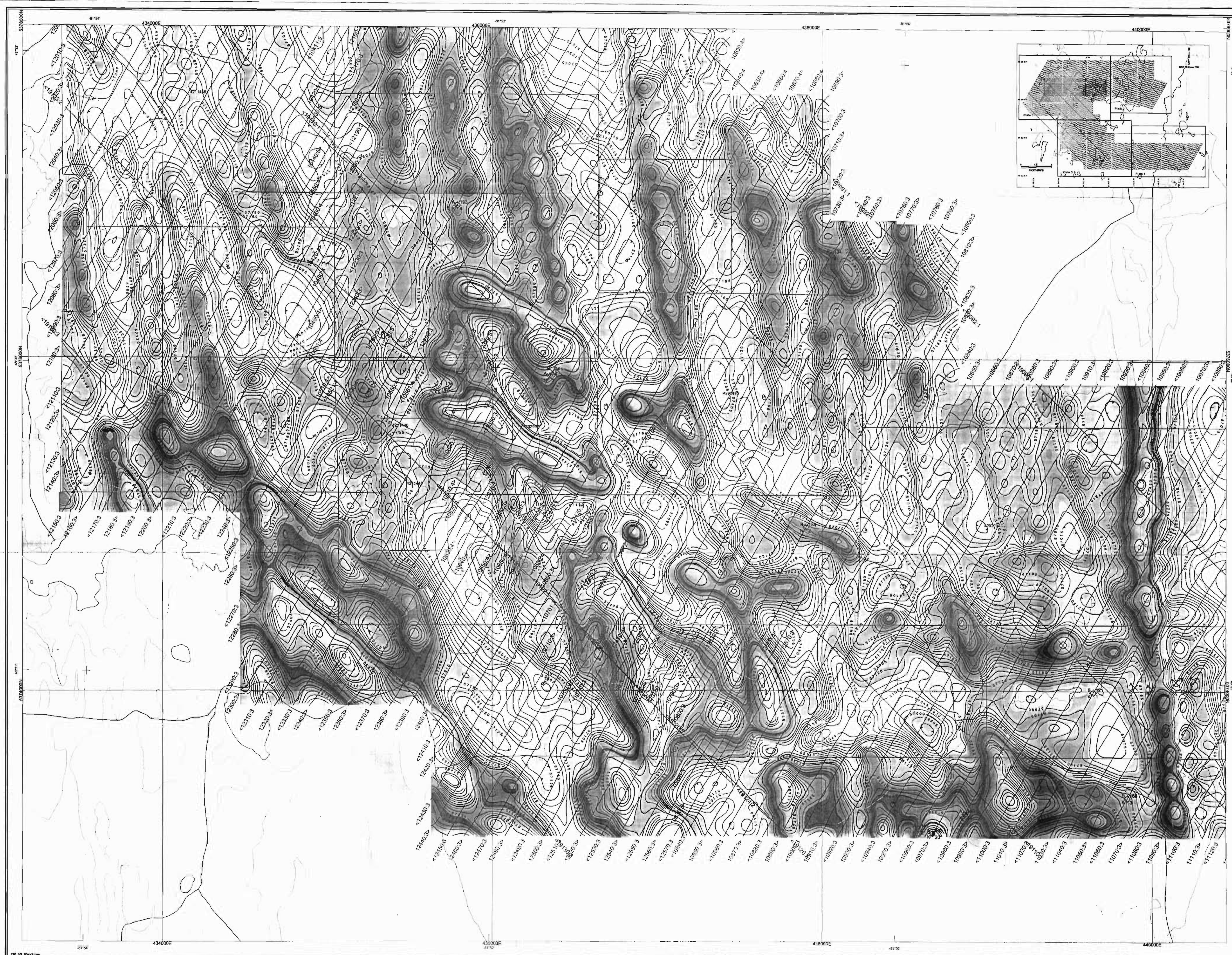
Laurion Gold Inc.  
 Enid-Massey Project, Timmins, Ontario

**TOTAL MAGNETIC INTENSITY**  
**Enid-Massey, Plate 2**  
 NTS 042A12

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July 2006

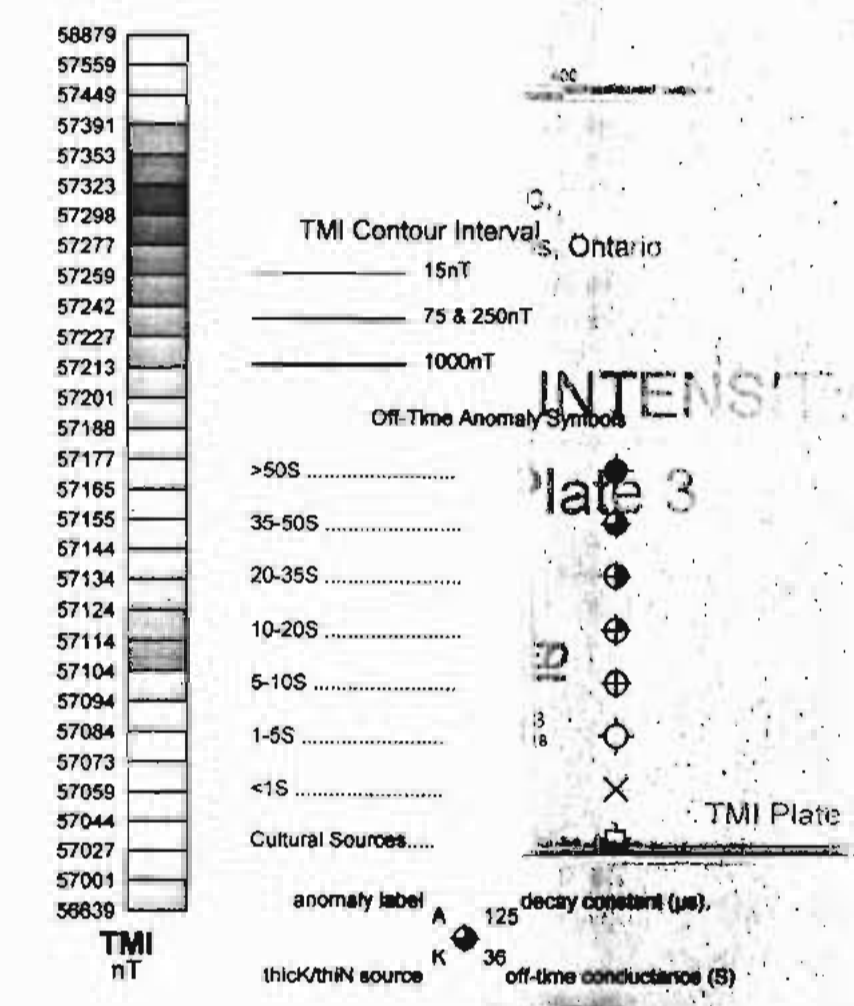
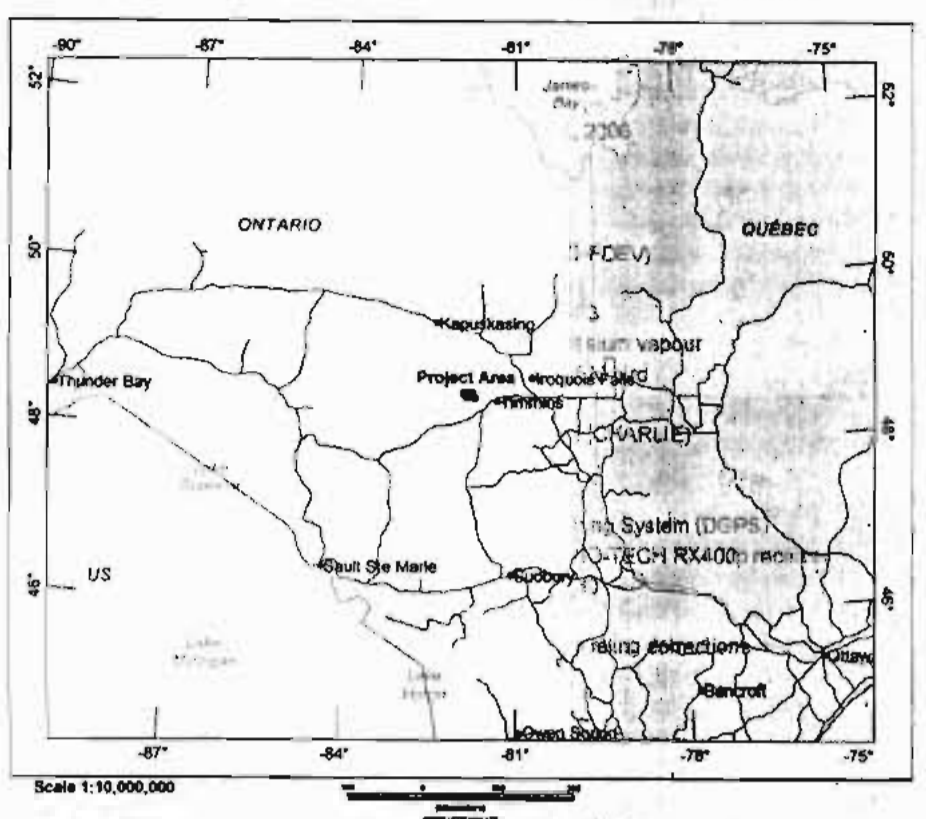
TMI Plate 2



The topographic data base was derived from 1:25000 Ontario Ministry of Natural Resources data.  
Background shading from NASA SRTM data.  
Inset data derived from Natural Resources Canada Atlas of Canada Base Map.

This map accompanies the technical report entitled "Report on Helicopter-borne Magnetic and Electromagnetic Survey, Enid-Massey Project, Timmins area, Ontario, by Aeroquest Limited, July 2006."

Grid North  
NAD83-Zone17



**SURVEY SPECIFICATIONS:**  
 Survey flown: May 17-20, June 13-14, 2006  
 Traverse line spacing: 100 metres  
 Traverse line direction: NE-SW (30°)  
 Nominal EM bird height: 30 metres  
 Aircraft: Aerospasiale A-Star 350B2 (C-FDEV)

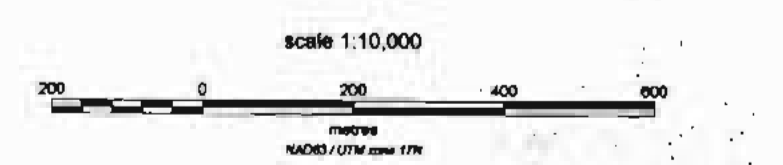
**INSTRUMENTATION:**  
 Data acquisition: ADAS & RMS DGR-33  
 Magnetometer: Geometrics G-823A cesium vapour  
 Installation: Towed bird 17 m above EM bird  
 Sensitivity: 0.01 nanoTesla  
 Electromagnetics: AeroTEM II System (CHARLIE)  
 Configuration: Towed bird

**NAVIGATION:**  
 Navigation: Differential Global Positioning System (DGPS)  
 Navigation equipment: AGNAV with MID-TECH RX400p receiver  
 Radar Altimeter: Terra TRA3000/TRI-30

**DATA PROCESSING:**  
 Magnetics: diurnal, baseline and micro-leveling corrections

**POSITIONING:**  
 Datum: NAD83  
 Major Axis: 6378137.000  
 Eccentricity: 0.081819191

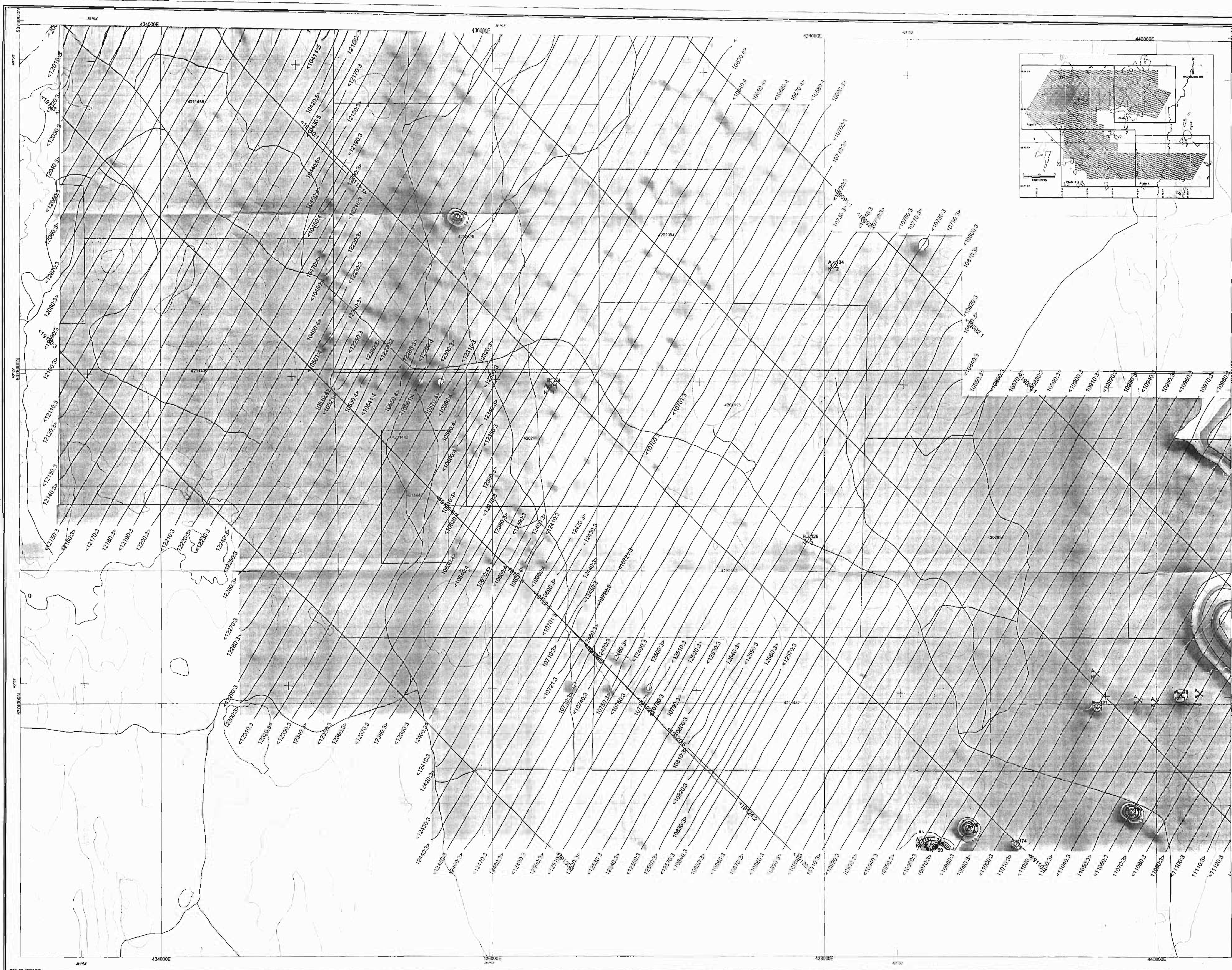
**MAP PROJECTION:**  
 Projection: Universal Transverse Mercator  
 Central Meridian: 81°W (Zone 17)  
 Central Scale Factor: 0.9996  
 False Easting/Northing: 500,000m/0m



Laurion Gold Inc.  
 Enid-Massey Project, Timmins, Ontario

**TOTAL MAGNETIC INTENSITY**  
**Enid-Massey, Plate 3**  
 NTS 042A12

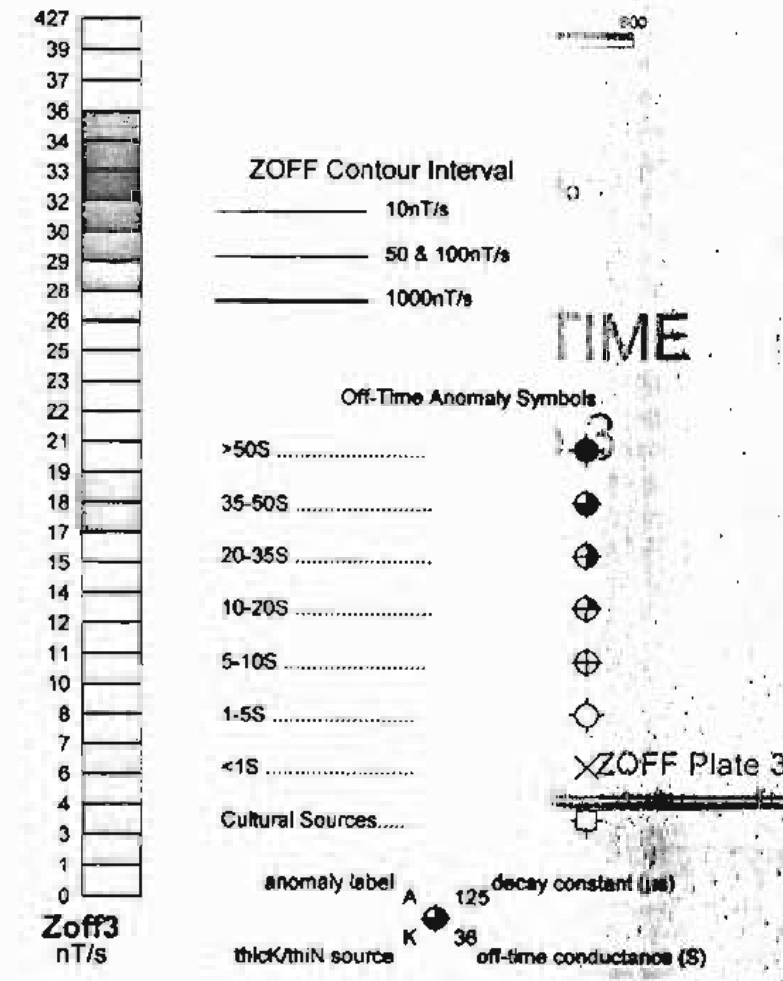
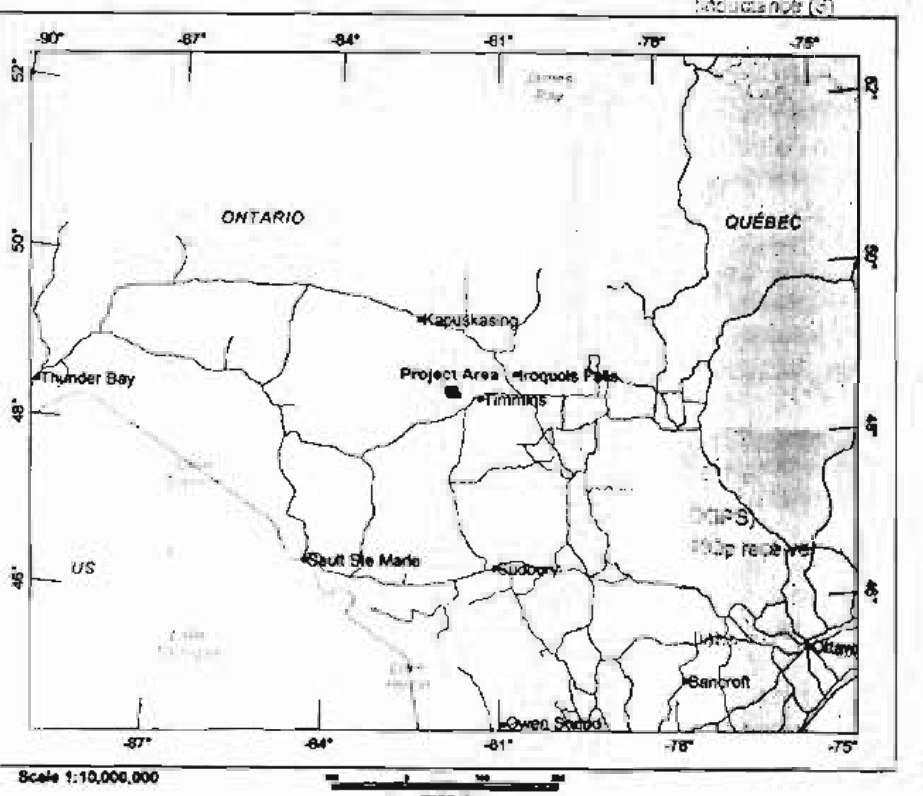
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 www.aeroquestsurvey.com



The topographic data base was derived from 1:20000 Ontario Ministry of Natural Resources data.  
 Background shading from NASA SRTM data.  
 Inset data derived from Natural Resources Canada "Atlas of Canada Base Map".

This map accompanies the technical report entitled "Report on a Helicopter-Borne Magnetic and Electromagnetic Survey (ZOFF) of the Enid-Massey Project, Timmins area, Ontario", by Aeroquest Limited, July 2006.

Grid North  
 NAD83-Zone17



**SURVEY SPECIFICATIONS:**  
 Survey from: May 17-20, June 13-14, 2006  
 Traverse line spacing: 100 metres  
 Traverse line direction: NE-SW (30°)  
 Nominal EM bird height: 30 metres  
 Aircraft: Aerospatiale A-Star 350B2 (C-FDEV)

**INSTRUMENTATION:**  
 Data acquisition: ADAS & RMS DGR-33  
 Magnetometer: Geometrics G-823A cesium vapour  
 Installation: Towed bird 17 m above EM bird  
 Sensitivity: 001 nanoTesla  
 Electromagnetics: AeroTEM II System (CHARLIE)  
 Configuration: Towed bird

**NAVIGATION:**  
 Navigation: Differential Global Positioning System (DGPS)  
 Navigation equipment: AGNAV with MID-TECH RX400p receiver  
 Radar Altimeter: Terra TRA3000/TRI-30

**DATA PROCESSING:**  
 Magnetics: diurnal, tideline and micro-leveling corrections

**POSITIONING:**  
 Datum: NAD83  
 Major Axis: 6378137.000  
 Eccentricity: 0.081819191

**MAP PROJECTION:**  
 Projection: Universal Transverse Mercator  
 Central Meridian: 81°W (Zone 17)  
 Central Scale Factor: 0.9996  
 False Easting/Northing: 500,000m/0m

scale 1:10,000

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 Enid-Massey Project, Timmins, Ontario

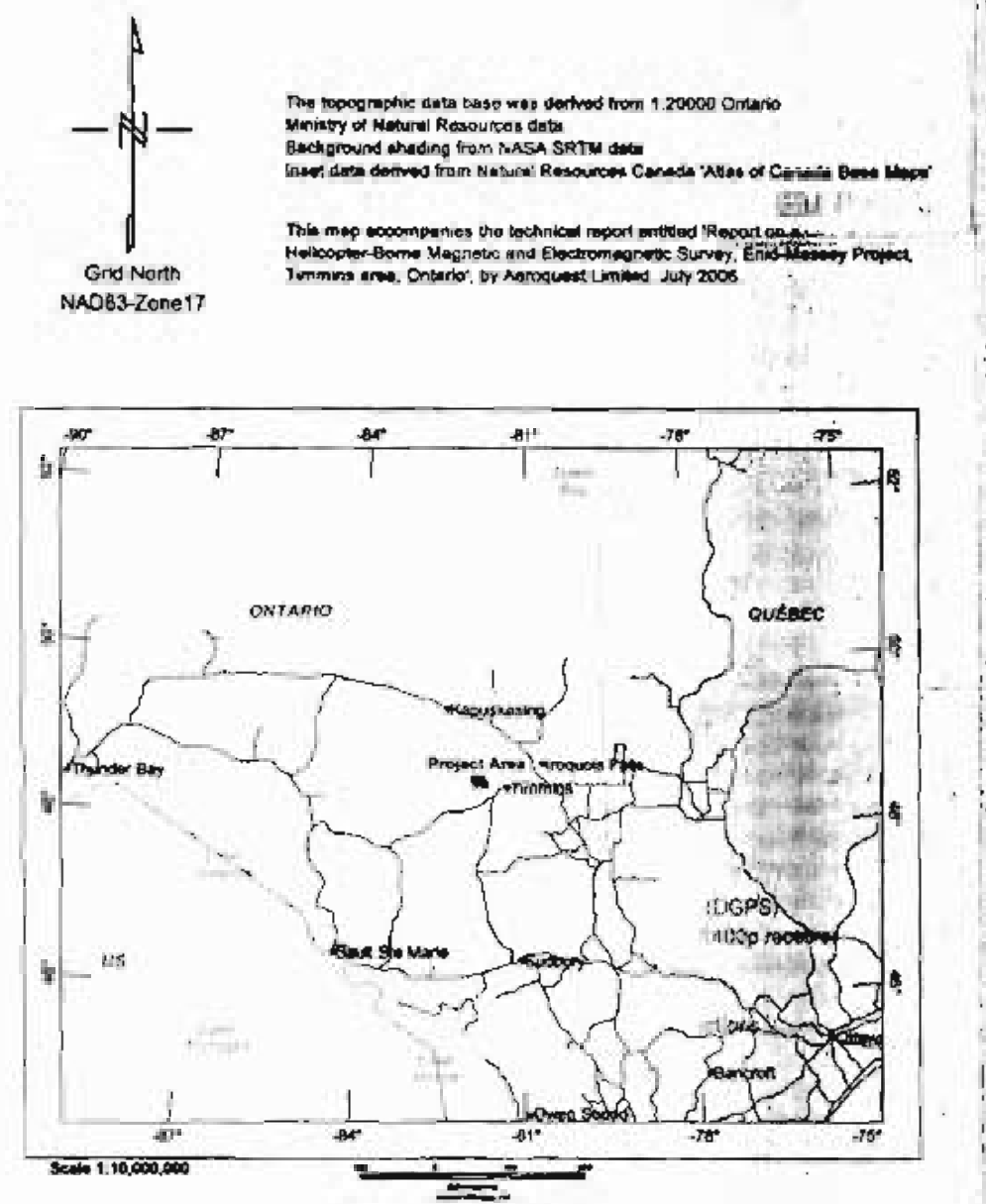
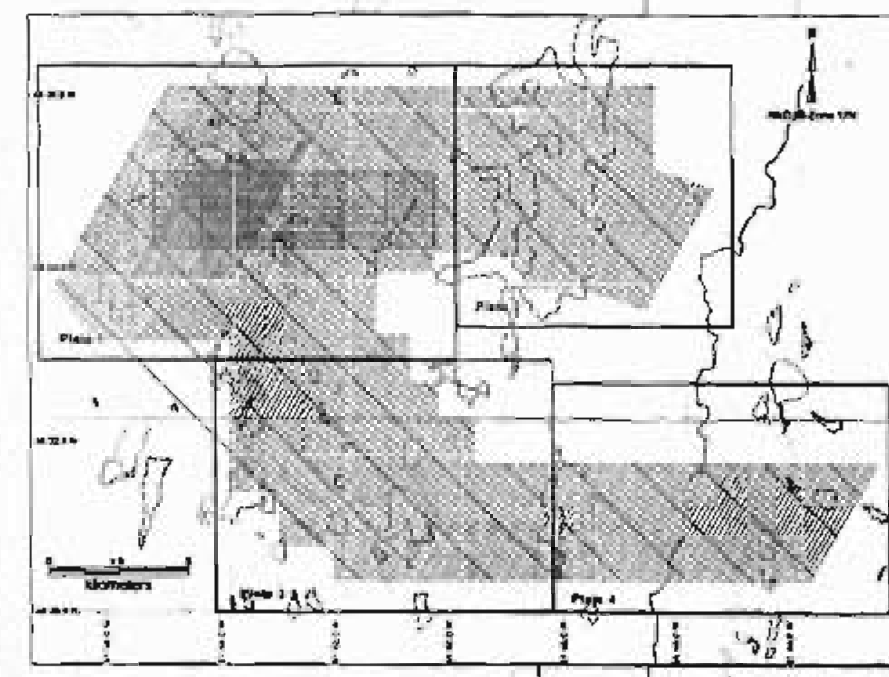
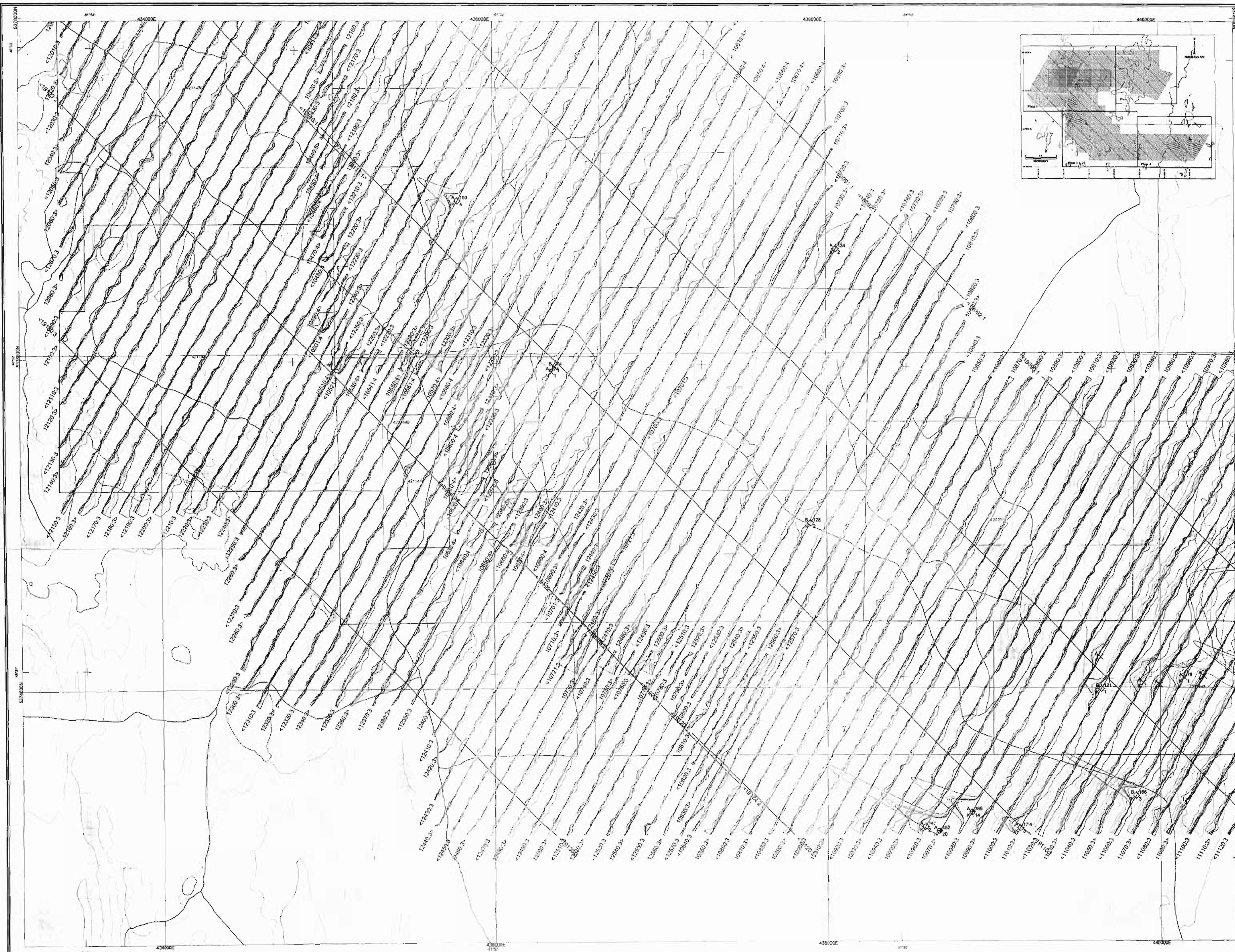
**AEROTEM Z3 OFF-TIME**  
**Enid-Massey, Plate 3**  
 NTS 042A12

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July 2006







**Aerotem Profiles**  
 positive excursion to top and right, 1mm=2nTn

- 23 Off-Time Channel
- 24 Off-Time Channel
- 25 Off-Time Channel
- 26 Off-Time Channel
- 27 Off-Time Channel
- 28 Off-Time Channel
- 29 Off-Time Channel
- 210 Off-Time Channel
- 211 Off-Time Channel
- 212 Off-Time Channel
- 213 Off-Time Channel

**Off-Time Anomaly Symbols**

- >50S
- 35-50S
- 20-35S
- 10-20S
- 5-10S
- 1-5S
- <1S
- Cultural Sources

anomaly label  
 decay constant (nT)  
 off-time conductance (S)

**SURVEY SPECIFICATIONS:**  
 Survey from: May 17-20, June 13-14, 2008  
 Traverse line spacing: 100 metres  
 Traverse line direction: NE-SW (30°)  
 Nominal EM bird height: 30 metres  
 Aircraft: Aerostaircase A-Star 350R2 (C-FDEV)

**INSTRUMENTATION:**  
 Data acquisition: ADAS & RMS DGR-33  
 Magnetometer: Geometrics G-823A cesium vapour  
 Installation: Towed bird 17 m above EM bird  
 Sensitivity: .001 nanoTesla  
 Electromagnetics: Aerotem II System (CHARLIE)  
 Configuration: Towed bird

**NAVIGATION:**  
 Navigation: Differential Global Positioning System (DGPS)  
 Navigation equipment: ACNAV with MED-TECH RS4000 receiver  
 Radar/Altimeter: Terra TRS3000/TRI-30

**DATA PROCESSING:**  
 Magnetics: diurnal, baseline and micro-leveling corrections

**POSITIONING:**  
 Datum: NA83  
 Major Axis: 6378137.000  
 Eccentricity: 0.081819191

**MAP PROJECTION:**  
 Projection: Universal Transverse Mercator  
 Central Meridian: 81°W (Zone 17)  
 Central Scale Factor: 0.9996  
 False Easting/Northing: 500,000m/0m

SCALE 1:10,000

200 0 200 400 600  
 METRES  
 NA83 UTM Zone 17E

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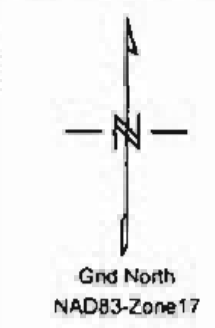
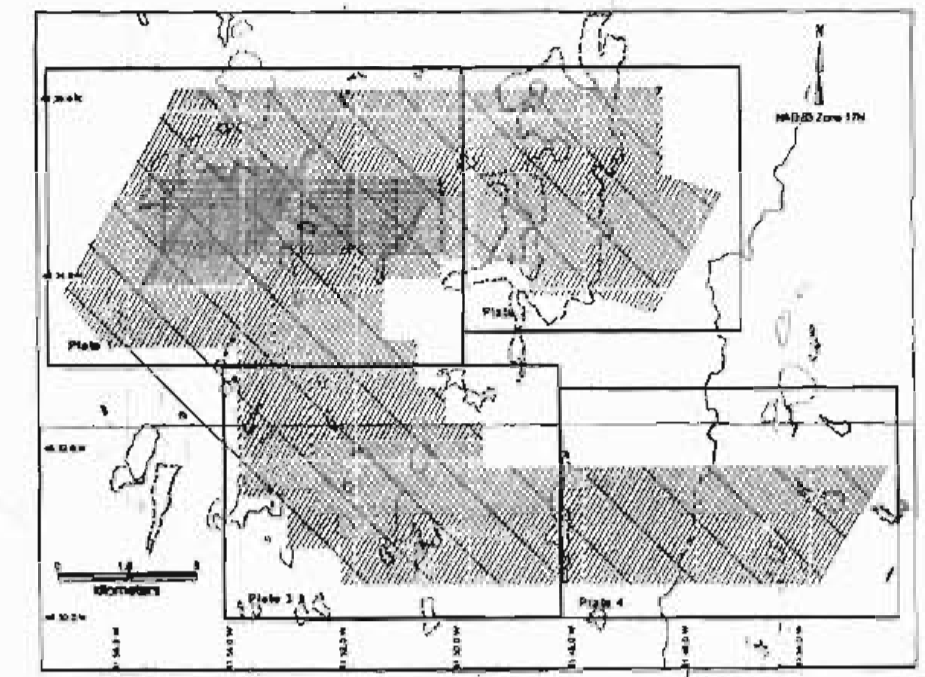
**AEROTEM OFF-TIME  
 PROFILES**

Enid-Massey, Plate 3

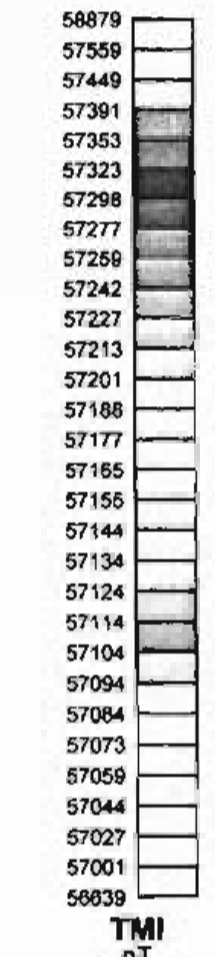
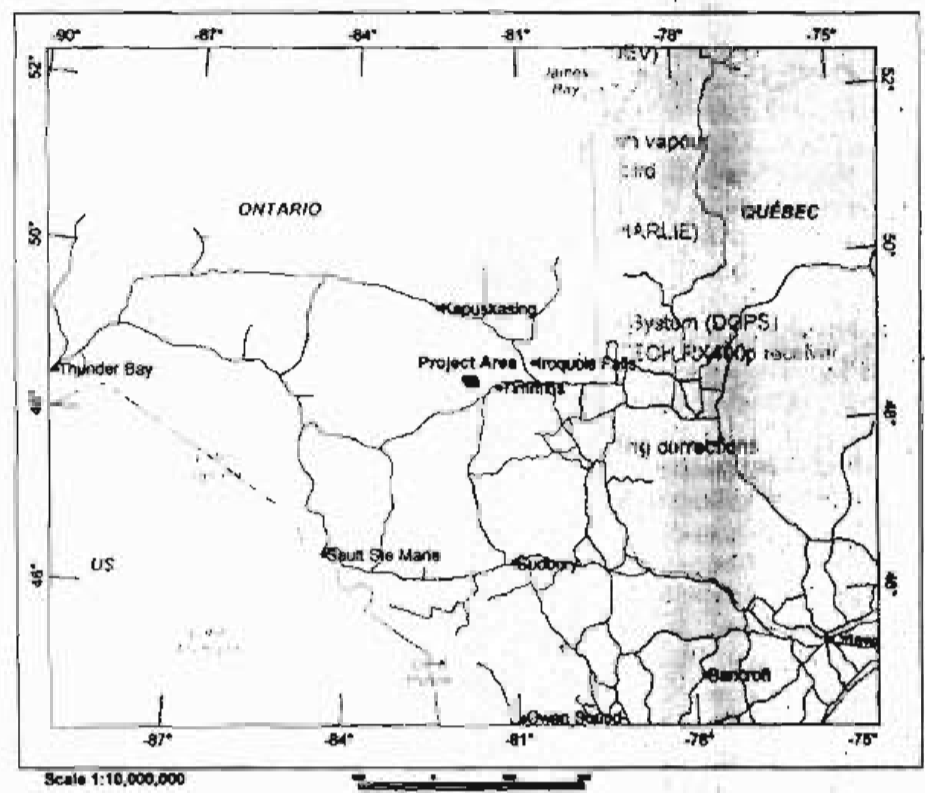
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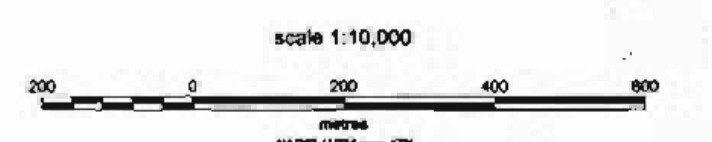
July 2008



The topographic data base was derived from 1:20,000 Ontario Ministry of Natural Resources data.  
Background shading from NASA SRTM data.  
Inset data derived from Natural Resources Canada Atlas of Canada Base Maps.  
This map accompanies the technical report entitled 'Report on a Helicopter-Borne Magnetic and Electromagnetic Survey, Enid-Massey Project, Timmins area, Ontario', by Aeroquest Limited, July 2006.



**SURVEY SPECIFICATIONS:**  
Survey flown: May 17-20, 2006  
Traverse line spacing: 100 metres  
Traverse line direction: NE-SW (30°)  
Nominal EM bird height: 30 metres  
Aircraft: Aerospaciale A-Star 350B2 (C-FDEV)  
**INSTRUMENTATION:**  
Data acquisition: ADAS & RMS DGR-33  
Magnetometer: Geometrics G-823A cesium vapour  
Installation: Towed bird 17 m above EM bird  
Sensitivity: .001 nanoTesla  
Electromagnetics: AeroTEM II System (CHARLIE)  
Configuration: Towed bird  
**NAVIGATION:**  
Navigation: Differential Global Positioning System (DGPS)  
Navigation equipment: AGNAV with MID-TECH RX400p receiver  
Radar Altimeter: Terra TRA3000/TRI-30  
**DATA PROCESSING:**  
Magnetics: diurnal, tidal and micro-leveling corrections  
**POSITIONING:**  
Datum: NAD83  
Major Axis: 6378137.000  
Eccentricity: 0.081819191  
**MAP PROJECTION:**  
Projection: Universal Transverse Mercator  
Central Meridian: 81°W (Zone 17)  
Central Scale Factor: 0.9996  
False Easting/Northing: 500,000m/0m



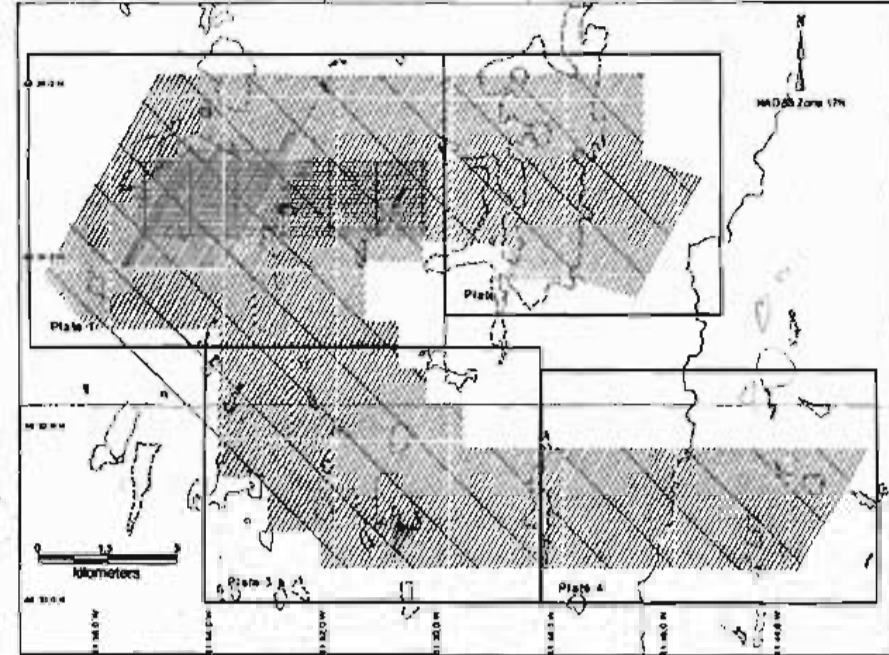
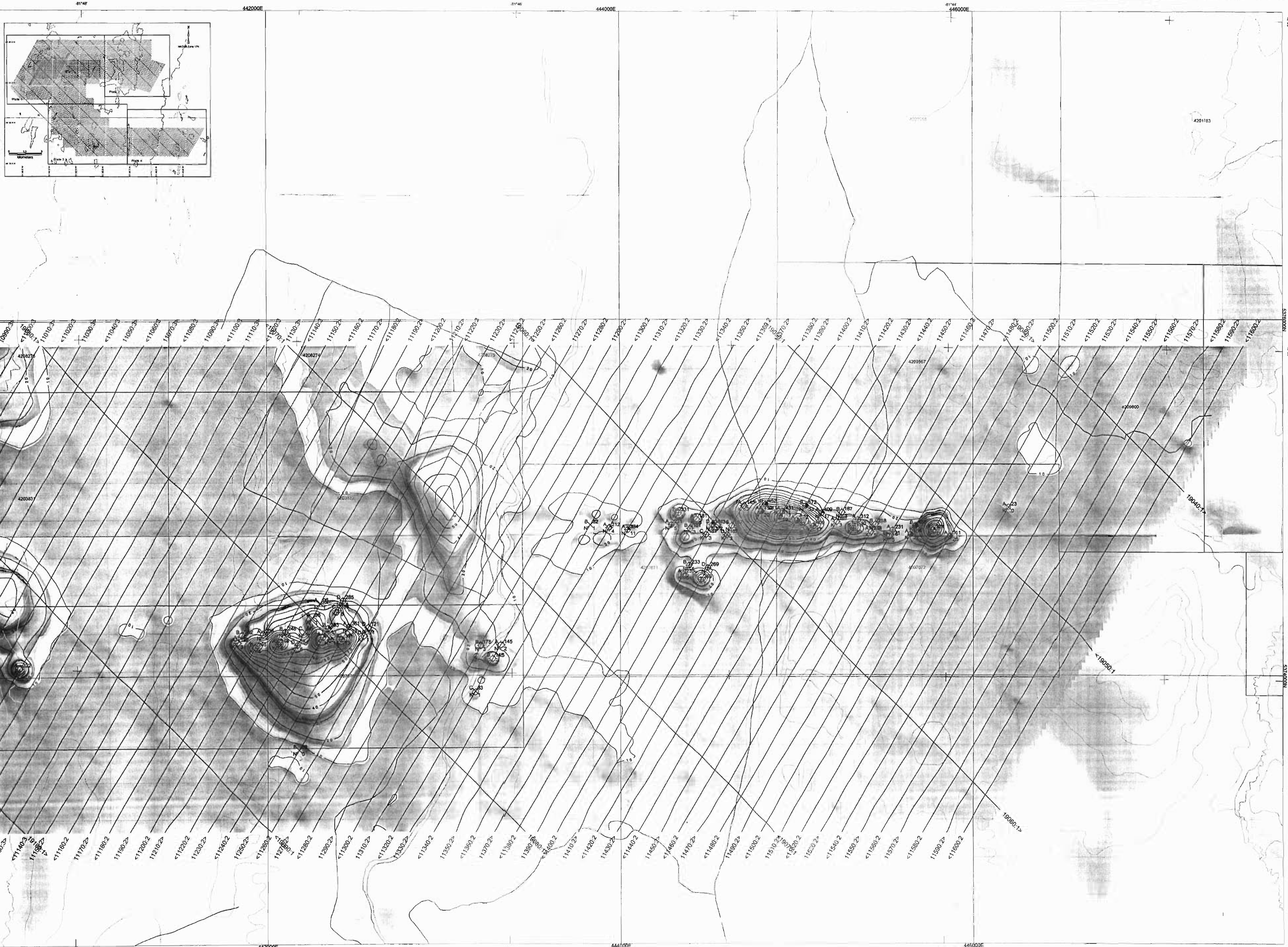
Laurion Gold Inc.  
Enid-Massey Project, Timmins, Ontario

# TOTAL MAGNETIC INTENSITY

## Enid-Massey, Plate 4

NTS 042A12

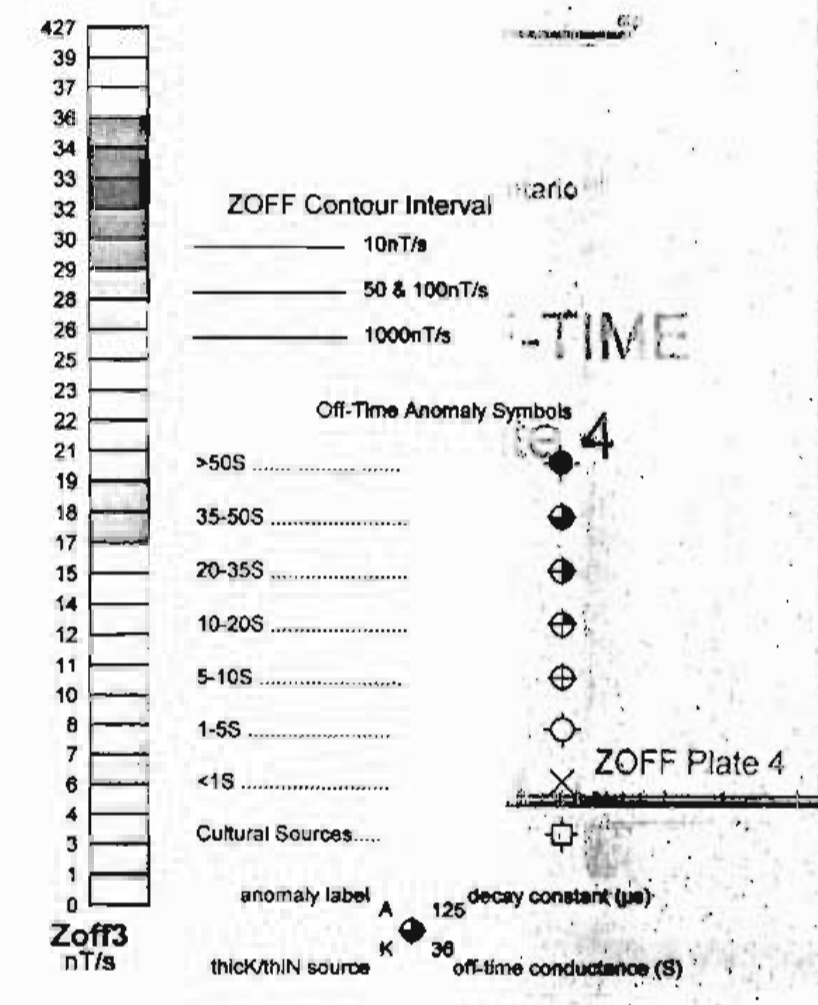
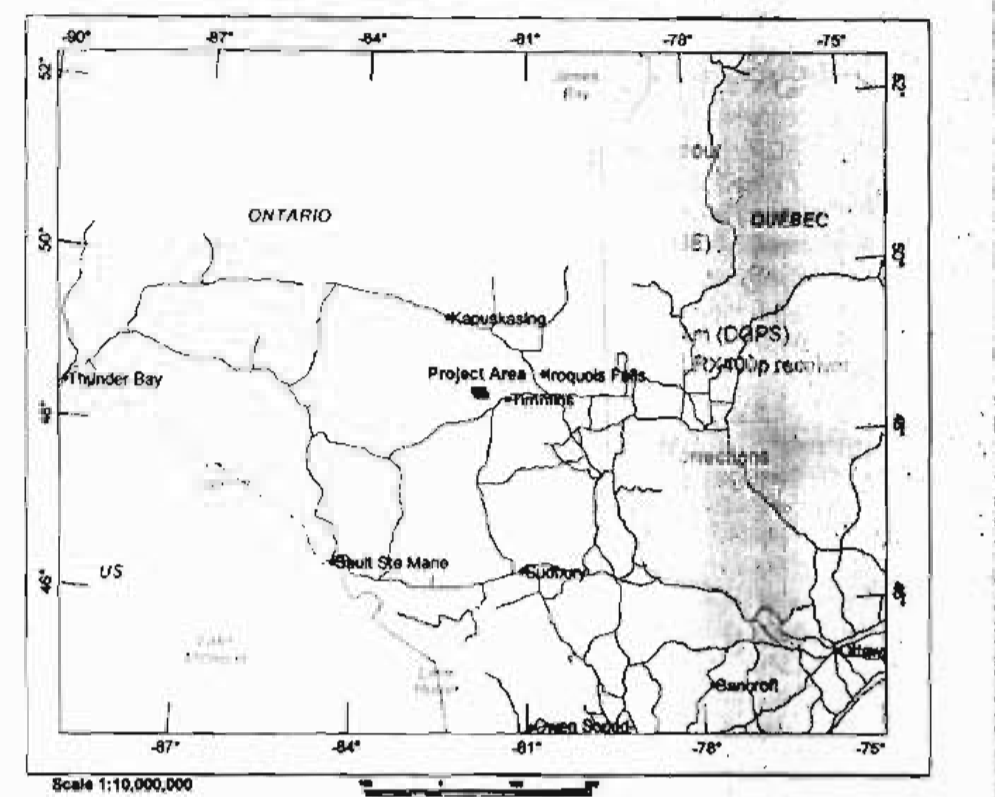
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Tel: (905) 879-9121 Fax: (905) 879-9122  
www.aeroquest.com



The topographic data base was derived from 1:20000 Ontario Ministry of Natural Resources data.  
 Background shading from NASA SRTM data.  
 Elevation data derived from Natural Resources Canada Atlas of Canada Base Map.

This map accompanies the technical report entitled "Report of a Helicopter-Borne Magnetic and Electromagnetic Survey, Enid-Massey Project, Timmins area, Ontario, by Aeroquest Limited, July 2006."

Grid North  
 NAD83-Zone17



**SURVEY SPECIFICATIONS:**  
 Survey from: May 17-20, 2006  
 Traverse line spacing: 100 metres  
 Traverse line direction: NE-SW (30°)  
 Nominal EM bird height: 30 metres  
 Aircraft: Aerospatiale A-Star 350B2 (C-FDEV)

**INSTRUMENTATION:**  
 Data acquisition: ADAS 8 RMS DGR-33  
 Magnetometer: Geometrics G-823A cesium vapour  
 Installation: Towed bird 17 m above EM bird  
 Sensitivity: 0.01 nanoTesla  
 Electromagnetics: AeroTEM II System (CHARLIE)  
 Configuration: Towed bird

**NAVIGATION:**  
 Navigation: Differential Global Positioning System (DGPS)  
 Navigation equipment: AGNAV with MID-TECH RX400p receiver  
 Radar Altimeter: Terra TRA3000/TRI-30

**DATA PROCESSING:**  
 Magnetics: diurnal, telline and micro-leveling corrections

**POSITIONING:**  
 Datum: NAD83  
 Major Axis: 6378137.000  
 Eccentricity: 0.081819191

**MAP PROJECTION:**  
 Projection: Universal Transverse Mercator  
 Central Meridian: 81°W (Zone 17)  
 Central Scale Factor: 0.9996  
 False Easting/Northing: 500,000m/0m

scale 1:10,000

Laurion Gold Inc.  
 Enid-Massey Project, Timmins, Ontario

**AEROTEM Z4 OFF-TIME**  
 Enid-Massey, Plate 4  
 NTS 042A12

**AEROQUEST LIMITED**  
 4-845 Main St. East  
 Milton, Ont., CANADA L9T 3Z3  
 Tel: (905) 883-9125 Fax: (905) 883-9126  
 www.aeroquest.com

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