

# **GDS 1056a METADATA**

## **GENERAL INFORMATION**

**Official Name of the Data Set or Information Holding:** Ontario Airborne Geophysical Surveys, Magnetic and Electromagnetic Data, Grid and Profile Data (ASCII and Geosoft® Formats) and Vector Data, North Spirit Lake Area, GEOTEM®1000 Survey

**Acronyms are Used to Identify the Data Set or Information Holding:** GDS1056a

The data set can be downloaded from

[http://www.geologyontario.mndm.gov.on.ca/mndmaccess/mndm\\_dir.asp?type=pub&id=GDS1056a](http://www.geologyontario.mndm.gov.on.ca/mndmaccess/mndm_dir.asp?type=pub&id=GDS1056a)

**Describe the Data Set or Information Holding:** Ontario Geological Survey (author) This publication can be downloaded from

[http://www.geologyontario.mndm.gov.on.ca/mndmaccess/mndm\\_dir.asp?type=pub&id=GDS1056a](http://www.geologyontario.mndm.gov.on.ca/mndmaccess/mndm_dir.asp?type=pub&id=GDS1056a)

This electromagnetic and magnetic survey was performed as part of the Far North Geological Mapping Initiative. The magnetic and electromagnetic surveys were flown by Fugro Airborne Surveys. The data includes: (i) grids (ASCII and Geosoft® formats) and GeoTIFF images of magnetic, electromagnetic and digital elevation data; (ii) magnetic profile data (ASCII CSV and Geosoft® GDB formats), both raw and processed; (iv) electromagnetic profile data (ASCII CSV and Geosoft® GDB formats), both raw and processed; (v) DXF vector files of flight path, EM anomalies, Keating correlation coefficients and contours of the residual magnetic field and TAU; (vi) databases of picked EM anomalies and Keating correlation coefficients (ASCII CSV and Geosoft® GDB formats); as well as (vii) Microsoft®Word and portable document format (PDF) report files. Survey Parameters: Date flown: 2006 Line kilometres: 10239 Line spacing: 200 m Magnetic survey type: Total Field Magnetometer height: 75 m EM survey type: GEOTEM® I000 TDEM (90 hz) EM domain: TDEM EM height: 70 m VLF-EM: no Gamma-ray survey: no

These data accompany:

Geophysical Data Set 1056b, Halfwave Data (compressed ASCII Format) and Calibration Data, GEOTEM®1000 Survey, North Spirit Lake Area.

Maps 81 960 to 81 969, Residual Magnetic Field Contours with Electromagnetic Anomalies and Keating Coefficients, GEOTEM®1000 Survey, North Spirit Lake Area, scale 1:20 000.

Maps 81 970 to 81 972, Colour-filled Contours of the Residual Magnetic Field and Electromagnetic Anomalies, GEOTEM®1000 Survey, North Spirit Lake Area, scale 1:50 000.

Maps 81 973 to 81 975, Shaded Colour Image of the Second Vertical Derivative of the Residual Magnetic Field and Keating Coefficients, GEOTEM®1000 Survey, North Spirit Lake Area, scale 1:50 000.

Maps 81 976 to 81 978, Colour-filled Contours of the EM Decay Constant and Electromagnetic Anomalies, GEOTEM®1000 Survey, North Spirit Lake Area, scale 1:50 000.

Maps 81 979 to 81 981, Colour-filled Contours of the Apparent Conductance and Electromagnetic Anomalies, GEOTEM®1000 Survey, North Spirit Lake Area, scale 1:50 000.

**The Intended Use and Purpose for Collecting the Data Set or Information Holding:** The Far North Geological Mapping Initiative (FNGMI) is a science-based, geological mapping or inventory initiative to better understand the geological history of the Far North and its mineral resources. The objective of this product is to collect and disseminate geoscience information for Ontario.

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**Time Coverage Comments:** Date of Publication.

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None Planned

**Enter the retention schedule number:** 9999

**Retention period or description:**HB

**Keywords:**

AIRBORNE EM

AIRBORNE EM AND MAG (TOTAL FIELD)

AIRBORNE MAG (TOTAL)

GEOPHYSICS, GENERAL

MINERAL EXPLORATION

MINISTRY OF NORTHERN DEVELOPMENT AND MINES

ONTARIO GEOLOGICAL SURVEY

**Business Theme:**

GEOLOGICAL SURVEY

GEOLOGY

**GEOGRAPHIC INFORMATION**

**Selected geographic type:**Bounding Box only

North Bounding Coordinate: 52° 39'

South Bounding Coordinate: 52° 08'

West Bounding Coordinate: -93° 27'

East Bounding Coordinate: -92° 27'

**Geographic Completeness:** 100% Complete

**MAPPING INFORMATION**

**Grid Coordinate System Used:** Universal Transverse Mercator

**Map Projection:** Transverse Mercator

**Horizontal Geodetic Datum:** NAD83

**Vertical Geodetic Datum:** Not Applicable

**Position Accuracy of Features:**

**Horizontal:** +/- 15m

**Vertical:** +/- 5 m

**DATA SOURCE INFORMATION**

**Data Source Type:** Includes Bibliographic Information

**Describe for the Source Data Contribution:** Product includes references to other sources of information

**CONTACT**

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**METADATA**

**Date of this Metadata Description/Update:** March 10, 2008

**Date when Metadata Should be Reviewed:** December 31, 2010

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