

# **GDS1240 METADATA**

## **GENERAL INFORMATION**

**Official Name of the Data Set or Information Holding:** Ontario Airborne Geophysical Surveys, Magnetic, Electromagnetic and Radiometric Data, Aerobus Lake Area---Purchased Data

**Acronyms are Used to Identify the Data Set or Information Holding:** GDS1240

**Describe the Data Set or Information Holding:** Ontario Geological Survey (author) This publication can be downloaded from GeologyOntario: see Distribution Information section. As part of an ongoing program to acquire high-quality, high-resolution airborne geophysical data across the Province of Ontario, the Ontario Ministry of Northern Development and Mines (MNDM) does, from time to time, issue Requests For Data (RFD) in order to purchase existing proprietary data held by mining companies. Purchase of existing data complements new surveys commissioned by the MNDM. The purchase of data is attractive because of the low cost of acquisition relative to flying new surveys. The money used to purchase the data can be reinvested in exploration. The data are assessed for quality prior to purchase and are reprocessed to meet the common formats and standards of other Ontario geophysical data. Once reprocessed, these data are then made public. The magnetic, electromagnetic and gamma-ray spectrometer survey, included in this data set, was conducted by Terraquest Ltd., Ontario on behalf of Delta Uranium Inc. The survey was completed on July 9, 2008. The data include: 20 m x 20 m grids and GeoTIFF images of magnetic and electromagnetic data; DXF vector files of flight path, EM anomalies, Keating correlation coefficients and contours of the residual magnetic field and EM decay constant; database of Keating correlation coefficients and picked EM anomalies; as well as Microsoft(R) Word (.doc) and portable document format (.pdf) report files.

Survey Parameters:

Date flown: 2008

Line kilometres: 6412

Line spacing: 100 m

Magnetic survey type: 3 sensor horizontal gradiometer

Magnetometer height: 70 m

EM survey type: VLF

EM domain: none

EM height: 70 m

VLF-EM: Terraquest

XDS Gamma-ray survey: 512 channel

Additional information and metadata are found within a readme file provided with the product.

**The Intended Use and Purpose for Collecting the Data Set or Information Holding:** The objective of this product is to collect and disseminate geoscience information for Ontario.

**Describe any Restrictions and Legal Prerequisites for Accessing the Data Set (Data**

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Ontario Geological Survey 2012. Ontario airborne geophysical surveys, magnetic, electromagnetic and radiometric data, grid and profile data (ASCII and Geosoft(R) formats) and vector data, Aerobus Lake area---Purchased data; Ontario Geological Survey, Geophysical Data Set 1240. ISBN 978-1-4435-8796-9 (DVD) ISBN 978-1-4435-8797-6 (zip file)

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**Describe any Legislated or Legal Authority for Collecting the Data Set:** N/A

**Select the Level of Privacy for this Metadata Information:** Public

**Time Coverage:** Tuesday, April 3, 2012

**Time Coverage Comments:** Date of Publication

**Enter or Select the Current Status of the Data Set:** Complete

**Enter or Select the Frequency with which Changes or Additions are Made to the Data Set:**

None Planned

**Enter the retention schedule number:** 9999

**Retention period or description:**MGE

**Keywords:**

AEROMAGNETIC

AIRBORNE EM  
AIRBORNE GAMMA RAY  
AIRBORNE MAG (GRADIENT)  
MINISTRY OF NORTHERN DEVELOPMENT AND MINES  
MNDM  
OGS  
ONTARIO GEOLOGICAL SURVEY  
VLF  
VLF-EM

**Business Theme:**

GEOLOGICAL SURVEY  
GEOLOGY

**GEOGRAPHIC INFORMATION**

**Selected geographic type:**Bounding Box only

North Bounding Coordinate: 50° 25'

South Bounding Coordinate: 50° 05'

West Bounding Coordinate: -93° 45'

East Bounding Coordinate: -93° 10'

**Geographic Completeness:** irregularly shaped study area - completeness not available

**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:** +/- 10 m

**Vertical:** Not Applicable

**DATA SOURCE INFORMATION**

**Data Source Type:** Includes Bibliographic Information

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

**Data Source Type:** Direct Field Collection

**Describe for the Data Source:**

**Time Period Comments:** survey completed 9-Jul-2008

**CONTACT**

**GENERAL INFORMATION CONTACT:**

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**METADATA**

**Date of this Metadata Description/Update:** June 9, 2011

**Date when Metadata Should be Reviewed:** December 31, 2016

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