

GDS1242 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, Latchford Area—Purchased Data

Acronyms are Used to Identify the Data Set or Information Holding: GDS1242

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 on-going 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 due to 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 and electromagnetic surveys, included in this data set, were flown by Geotech Ltd. and Fugro Airborne Surveys Corp. for Amador Gold Corp. and Temex Resources Corp., respectively.

The data include

15 m x 15 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; and a report in portable document format (.pdf).

Survey Parameters:

Date flown: 2005–2006

Line kilometres: 6708 (magnetic), 560 (EM)

Line spacing: 50 m (EM), 75 m (magnetic)

Magnetic survey type: 2 sensor horizontal gradiometer

Magnetometer height: 30 m
EM survey type: VTEM
EM domain: TDEM
EM height: 40 m
VLF-EM: none
Gamma-ray survey: none

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.

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MNDM

OGS

ONTARIO GEOLOGICAL SURVEY

AEROMAGNETIC

AIRBORNE EM

AIRBORNE MAG (GRADIENT)

Business Theme:

GEOLOGICAL SURVEY

GEOLOGY

GEOGRAPHIC INFORMATION

Selected geographic type: Bounding Box only

North Bounding Latitude: 47° 30'

South Bounding Latitude: 46° 56'

West Bounding Longitude: -80° 17'

East Bounding Longitude: -79° 30'

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 Datum: Not Applicable
Horizontal Position Accuracy of Features: +/- 10 m
Vertical Position Accuracy of Features: 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

Time Period: surveys conducted from December 16, 2005 to March 6, 2006

Data Source Type: Geophysical data, magnetic data; purchased data

Source Contribution: Survey flown by Fugro Airborne Surveys Corp. for Temex Resources Corp.

Time Period: February 10 to March 6, 2006 (survey time period)

Organization that Created Source Data Set: Temex Resources Corp.

Data Source Type: Geophysical data, electromagnetic and magnetic data; purchased data

Source Contribution: Survey flown by Geotech Limited for Amador Gold Corp.

Time Period: December 16, 2005 to January 6, 2006 (survey time period)

Organization that Created Source Data Set: Geotech Limited

CONTACT

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METADATA

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