MRD 202 METADATA DETAIL PAGE

. The following represents the Basic description of an information holding. To obtain more information about this holding, see the section named Contacts.

Detail Information:

GENERAL INFORMATION

Official Name of the Data Set or Information Holding: Geophysical Data Acquired for Geoscientific Profiles in the Timmins-Kirkland Lake Area: Discover Abitibi Initiative

Acronyms are Used to Identify the Data Set or Information Holding: MRD202

Describe the Data Set or Information Holding: D.J.W. Dawson, D.F. Morrison, C. Pawluk, J. Grant, A. Spector, E.L. Mueller, S.W. Reford (authors) This release contains the measured and processed geophysical data acquired for the geoscientific profiles in the Timmins-Kirkland Lake area, funded by the Discover Abitibi Initiative as described in Open File Report (OFR) 6189. Ground geophysical data for 3 parallel profiles, most of which are 2 km in length and spaced 200 m apart, were acquired at 15 different sites chosen for their proximity to known mineral deposits of various types. The data acquired include magnetic, gravity and pole-dipole induced polarization. In addition, an Insight Section was acquired on 1 profile at each site, usually the central profile, using a modified gradient induced polarization array. All standard reductions and corrections were applied to the data. The chargeability and resistivity data from both the Insight Sections and pole-dipole surveys were inverted using the University of British Columbia Geophysical Inversion Facility (UBC-GIF) DCIP2D inversion program. In addition, 5 regional maps, available in portable document format (.pdf), show the regional setting of the geoscientific profiles under the following themes: bedrock geology, residual magnetic field, Bouguer gravity field, electromagnetic field apparent conductance/conductivity and digital elevation model. A digital version of OFR 6189, including the 15 back-pocket charts, is also available in portable document format (.pdf). The measured and processed data are available in ASCII and Geosoft(r) formats.

The Intended Use and Purpose for Collecting the Data Set or Information Holding: The goals of this project were 1) to provide a concise visualization of several deposit types in the region; 2) to provide exploration personnel with a ready source for comparisons of geophysical data types related to known deposits, allowing explorationists to evaluate their anomalies against these deposit types; and 3) to disseminate the data sets and other products to clients in digital and hard-copy formats. The Discover Abitibi Initiative is a regional, cluster economic development project based on geoscientific investigations of the western Abitibi greenstone belt. The initiative, centred on the Kirkland Lake and Timmins mining camps, will complete 19 projects

developed and directed by the local stakeholders. FedNor, Northern Ontario Heritage Fund Corporation, municipalities and private sector investors have provided the funding for the initiative. 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 Privacy/Security): Abbreviated Terms of Use "Content" and/or "Electronic Information Product" (EIP) and its Content: This Content and/or EIP and its Content is offered by the Province of Ontario's Ministry of Northern Development and Mines (MNDM) as a public service, on an "as-is" basis. Recommendations and statements of opinions expressed are those of the author or authors and are not to be construed as statement of government policy. You are solely responsible for your use of the Content and/or EIP and its Content. You should not rely on the Content for legal advice nor as authoritative in your particular circumstances. Users should verify the accuracy and applicability of any Content before acting on it. MNDM does not guarantee, or make any warranty express or implied, that the Content is current, accurate, complete or reliable or that the EIP is free from viruses or other harmful components. MNDM is not responsible for any damage however caused, which results, directly or indirectly, from your use of the Content and/or the EIP and its Content. MNDM assumes no legal liability or responsibility for the Content and/or the EIP and its Content whatsoever.

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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 11, 2006
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

Keywords:

APPARENT CONDUCTANCE
APPARENT CONDUCTIVITY
APPARENT RESISTIVITY
DISCOVER ABITIBI
GEOPHYSICAL
GROUND EM
GROUND GRAVITY
GROUND MAG (VERTICAL COMPONENT)
MINERAL EXPLORATION
MINISTRY OF NORTHERN DEVELOPMENT AND MINES
MNDM
OGS
ONTARIO GEOLOGICAL SURVEY
PRECAMBRIAN BEDROCK GEOLOGY

Business Theme:

GEOLOGICAL SURVEY
GEOLOGY

GEOGRAPHIC INFORMATION

Selected geographic type: Bounding Box only

North Bounding Coordinate: 48° 48'
South Bounding Coordinate: 47° 42'
West Bounding Coordinate: -81° 54'
East Bounding Coordinate: -79° 28'

Geographic Completeteness: irregular 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: +/- 0.25 m
Vertical: +/- 0.25 m

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 Collection
Describe for the Source Data Contribution: Acquisition of field data; data reduction, processing and inversion; presentation and reporting.
Time Period Comments: Data collected from 01/10/2004 to 31/01/2005
Name of the Source Data Set: Discover Abitibi Geoscientific Profiles
the Acronyms Used to Identify the Source Data Set: DAGP
Describe theData Source: Ground geophysical data for 3 parallel profiles, most 2 km in length and spaced 200 m apart, were acquired at 15 different sites. The data acquired include magnetic, gravity and pole-dipole induced polarization. In addition, an Insight Section was acquired on one profile at each site, usually the central profile, using a modified gradient induced polarization array.
Name of the Organization that Create the Source Data Set: Insight Geophysics Inc. and sub-contractors

CONTACT

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METADATA

Date of this Metadata Description/Update:March 27, 2006
Date when Metadata Should be Reviewed:March 31, 2007

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