

MRD233 METADATA

GENERAL INFORMATION

Official Name of the Data Set or Information Holding: Precambrian Geology and Aeromagnetic Data of the Hudson Bay and James Bay Lowlands Region with Precambrian Basement Depth Estimates and Related Tables of Geochronology and Diamond-Drill Hole Data

Acronyms are Used to Identify the Data Set or Information Holding: MRD233

Describe the Data Set or Information Holding: Stott, G.M., Josey, S.D., Rainsford, D.R.B. and McIlraith, S.J. (authors)

This publication can be downloaded from GeologyOntario: see "Distribution Information".

This digital data release comprises GIS-compatible versions of a set of maps of interpreted Precambrian geology underlying the Hudson Bay and James Bay lowlands; aeromagnetic and gravity maps of the region encompassing the Hudson Bay and James Bay lowlands; Landsat images and digital elevation models (DEM) of the lowlands; the results of estimated depth to Precambrian basement under the James Bay Lowland interpreted from aeromagnetic data; a table of diamond-drill hole sites, depths to Precambrian basement, and rock type, where available; a table and location map of kimberlite pipes; and a table of geochronology of Precambrian rocks within the lowlands area. The geological interpretation is presented in geodatabase, shapefile, coverages and portable document (.pdf) formats with explanatory notes. The results of a study to estimate depths to basement are presented in shapefile, GeoTiff and portable document (.pdf) formats along with explanatory notes. Tables of diamond-drill hole data and geochronology are presented in Microsoft® Excel® 2003 (.xls) spreadsheets. The files are on 2 DVD. Associated Preliminary Maps P.3597--Revised, P.3598--Revised and P.3599, available separately, show the interpreted geology, at a scale of 1:500 000, along with locations of geochronology samples, kimberlite pipes and depths to Precambrian basement.

The Intended Use and Purpose for Collecting the Data Set or Information Holding: The aim of this product is to provide a geological framework for future research and mineral exploration in the Hudson Bay and James Bay lowlands region of Ontario. The objective of this product is to collect and disseminate geoscience information for Ontario.

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AIRBORNE MAG (VERTICAL COMPONENT)

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DIGITAL MAPS

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KIMBERLITES

MINISTRY OF NORTHERN DEVELOPMENT AND MINES

MNDM
OGS
ONTARIO GEOLOGICAL SURVEY
PALEOZOIC BEDROCK GEOLOGY
PRECAMBRIAN BEDROCK GEOLOGY

Business Theme:
GEOLOGICAL SURVEY
GEOLOGY

Digital Processing Environment for the Data Set:
Specify the Storage Formats for the Data Set:
Format:
Format Description:
Internal Pointer to Data Set:
Physical Location of the Data Set:

GEOGRAPHIC INFORMATION

Selected geographic type:Bounding Box only

North Bounding Coordinate: 56° 53'

South Bounding Coordinate: 49° 30'

West Bounding Coordinate: -94° 29'

East Bounding Coordinate: -79° 43'

Geographic Completeness: Irregularly shaped; completeness not available.

MAPPING INFORMATION

Grid Coordinate System Used: Not Applicable

Map Projection: Lambert Conformal Conic

Horizontal Geodetic Datum: NAD83

Vertical Geodetic Datum: Not Applicable

Position Accuracy of Features:

Horizontal: +/- 100 m False Easting 1000000 False Northing 0 Central Meridian -
92.000000 Standard Parallel-1 49.000000 Standard Parallel-2 77.000000 Latitude of Origin
0.000000 Datum Clarke 1866

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

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METADATA

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