Natural Resources Canada | Ressources naturelles Canada

CANADIAN GEOSCIENCE MAP 202
NWT OPEN FILE 2015-03
SURFICIAL GEOLOGY
SNOWBIRD LAKE

Northwest Territories
NTS 65-D

Map Information Document

Preliminary

Geological Survey of Canada
Canadian Geoscience Maps

2015

Canada

PUBLICATION

Map Number

Natural Resources Canada, Geological Survey of Canada
Canadian Geoscience Map 202 (Preliminary)
Northwest Territories Geological Survey, NWT Open File 2015-03

Title

Surficial geology, Snowbird Lake, Northwest Territories, NTS 65-D

Scale

1 :125 000

Catalogue Information

Catalogue No. M183-1/202-2014E-PDF
ISBN 978-1-100-24854-7
doi:10.4095/296283

Copyright

Recommended Citation

Geological Survey of Canada, 2015. Surficial geology, Snowbird Lake, Northwest Territories, NTS 65-D; Geological Survey of Canada, Canadian Geoscience Map 202 (preliminary, Surficial Data Model v. 2.0 conversion of NWT Open File 2006-02); Northwest Territories Geological Survey, NWT Open File 2015-03, scale 1:125 000. doi:10.4095/296283

ABSTRACT

This new surficial geology map product represents the conversion of NWT Open File 2006-02 and its legend only, using the Geological Survey of Canada's Surficial Data Model (SDM version 2.0) which can be found in Open File 7631. All geoscience knowledge and information from NWT Open File 2006-02 that conformed to the current

SDM were maintained during the conversion process. The purpose of converting legacy map data to a common science language and common legend is to enable and facilitate the efficient digital compilation, interpretation, management, and dissemination of geologic map information in a structured and consistent manner. This provides an effective knowledge management tool designed around a geo-database which can expand following the type of information to appear on new surficial geology maps.

RÉSUME

Ce nouveau produit dérivé de la carte de géologie de surface NWT Open File 2006-02 et la légende seulement, a été produit avec le Modèle de données des formations superficielles (MDFS version 2.0) de la Commission géologique du Canada qui a été publié sous forme de dossier public 7631. La connaissance et toutes les données de la carte NWT Open File 2006-02 se retrouvant dans le MDFS ont été maintenues pendant le processus de conversion. Le but de convertir les cartes publiées antérieurement en langage scientifique commun et en légende commune est de permettre et faciliter la compilation, l'interprétation, la gestion et la diffusion numériques efficace d'information de cartes géologiques de façon structurée et cohérente. Cette base de données géospatiales est un outil de gestion qui pourra évoluer suivant le type d'information à paraître sur les nouvelles cartes des formations superficielles.

ABOUT THE MAP

General Information

Author: Geological Survey of Canada

Geology by F. Hardy and J. Delgaty (Northwest Territories Geological Survey), 2004

Geology conforms to Surficial Data Model v. 2.0

Data conversion by D.E. Kerr and S. Eagles, 2014

Geomatics and cartography by L. Robertson and D. Viner

Joint initiative of the Geological Survey of Canada and Northwest Territories Geological Survey, conducted under the auspices of Natural Resources Canada's Geo-mapping for Energy and Minerals (GEM-2) Program.

Map projection Universal Transverse Mercator, zone 13.
North American Datum 1983

Base map at the scale of 1:250 000 from Natural Resources Canada, with modifications.
Elevations in metres above mean sea level

Mean magnetic declination 2015, 7°39'E, decreasing 10.1' annually. Readings vary from 6°29'E in the NE corner to 8°43'E in the SW corner of the map.

This map is not to be used for navigational purposes.

The Geological Survey of Canada welcomes corrections or additional information from users.
Data may include additional observations not portrayed on this map. *See* documentation accompanying the data.

This publication is available for free download through GEOSCAN (http://geoscan.nrcan.gc.ca/).

Preliminary publications in this series have not been scientifically edited.

Map Viewing Files

The published map is distributed as a Portable Document File (PDF), and may contain a subset of the overall geological data for legibility reasons at the publication scale.

ABOUT THE GEOLOGY

References

Deblonde, C., Plouffe, A., Eagles, S., Everett, D., Huntley, D.H., Inglis, E., Kerr, D.E., Moore, A., Parent, M., Robertson, L., Smith, I.R., St-Onge, D.A., Weatherston, A., 2014. Science language for an integrated Geological Survey of Canada data model for surficial geology maps, version 2.0; Geological Survey of Canada, Open File 7631, 464 p. doi:10.4095/294225

Hardy, F. and Delgaty, J., 2006. Surficial geology of the Snowbird Lake area, NTS 65-D; *in* Martel, E. and Pierce, K., 2006. An ArcView 3.x digital geological atlas of the Snowbird Lake area, NTS 65-D; Northwest Territories Geoscience Office, NWT Open File 2006-02, digital files and 2 maps, scale 1:125 000.

Taylor, F.C., 1963. Snowbird Lake map Area, District of Mackenzie; Geological Survey of Canada, Memoir 333, 23 pages.

Author Contact

Questions, suggestions, and comments regarding the geological information contained in the data sets should be addressed to:

D.E. Kerr
Geological Survey of Canada
601 Booth Street
Ottawa ON
K1A 0E8
E-mail: Daniel.Kerr@NRCan-RNCan.gc.ca

Coordinate System

Projection: Universal Transverse Mercator
Units: metres
Zone: 13
Horizontal Datum: NAD83
Vertical Datum: mean sea level

Bounding Coordinates

Western longitude: 104°00’00”W
Eastern longitude: 102°00’00”W
Northern latitude: 61°00’00”N
Southern latitude: 60°00’00”N

Surficial Data Model Information

The Geological Survey of Canada (GSC) through the Geomapping for Energy and Minerals Program (GEM) has undertaken the Geological Map Flow to develop protocols for the collection, management (compilation, interpretation), and dissemination of surficial and bedrock geology data and map information. To this end, a data model has been created.

The Surficial Data Model (SDM) was designed using ESRI geodatabase architecture. The XML workspace document provided can be imported into a geodatabase, and the geodatabase will then be populated with the feature datasets, feature classes, tables, relationship classes, subtypes and domains.

Shapefile and table (.dbf) versions of the data are included within the data. Column names have been simplified and the text values have been maintained within the shapefile attributes. The direction columns are numerical, to display rotation for points, and the symbol fields will hold the correct values to be matched to the appropriate style file.

For a more in depth description of the data model please refer to the official publication:

Deblonde, C., Plouffe, A., Eagles, S., Everett, D., Huntley, D.H., Inglis, E., Kerr, D.E., Moore, A., Parent, M., Robertson, L., Smith, I.R., St-Onge, D.A., and Weatherston, A., 2014. Science language for an integrated Geological Survey of Canada data model for surficial geology maps, version 2.0; Geological Survey of Canada, Open File 7631, 464 p. doi:10.4095/294225

LICENCE AGREEMENT

ACCORD DE LICENCE