Natural Resources Canada | Ressources naturelles Canada

2nd EDITION

CANADIAN GEOSCIENCE MAP 219

SURFICIAL GEOLOGY

KLEWI RIVER

Northwest Territories
NTS 85-A

Map Information Document

Preliminary

Geological Survey of Canada
Canadian Geoscience Maps

2016

Canada

MAP NUMBER

Natural Resources Canada, Geological Survey of Canada
Canadian Geoscience Map 219 (Preliminary, 2nd Edition)

TITLE

Surficial geology, Klewi River, Northwest Territories, NTS 85-A

SCALE

1:250 000

CATALOGUE INFORMATION

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Geological Survey of Canada, 2016. Surficial geology, Klewi River, Northwest Territories, NTS 85-A; Geological Survey of Canada, Canadian Geoscience Map 219 (2nd edition, preliminary, Surficial Data Model v. 2.0 conversion of Map 1905A), scale 1:250 000. doi:10.4095/298704

ABSTRACT

This new surficial geology map product represents the conversion of A-Series Map 1905A 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 Map 1905A 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.

RÉSUMÉ

Ce nouveau produit cartographique de la géologie des formations superficielles correspond uniquement à la conversion de la Carte 1905A de série A et de sa légende, en se servant du Modèle de données pour les formations superficielles (MDFS version 2.0) de la Commission géologique du Canada, lequel peut être consulté dans le Dossier public 7631. Toutes les connaissances et l'information de nature géoscientifique de la Carte 1905A qui sont en conformité avec le modèle de données ont été conservées pendant le processus de conversion. Le but de cette conversion de cartes publiées antérieurement suivant un langage scientifique commun et une légende commune est de permettre et de faciliter la compilation, l'interprétation, la gestion et la diffusion efficaces de l'information géologique cartographique en mode numérique de façon structurée et cohérente. Cette façon de faire offre un outil efficace de gestion des connaissances élaboré à l'aide d'une géodatabase qui pourra évoluer suivant le type d'information à paraître sur les nouvelles cartes des formations superficielles.

LICENCE AGREEMENT

ACCORD DE LICENCE

SHEET 1 OF 1, SURFICIAL GEOLOGY

GENERAL INFORMATION

Author: Geological Survey of Canada

Geology by D.S. Lemmen, 1998

Geology conforms to Surficial Data Model v. 2.0

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

Geology has been spatially adjusted to fit the updated base.

Geomatics and cartography by L. Robertson and D. Viner

Map projection Universal Transverse Mercator, zone 12.
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 2016, 15°35'E, decreasing 16.6' annually. Readings vary from 16°15'E in the NW corner to 14°53'E in the SE 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 map info document accompanying the downloaded data
for more information about this publication.

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.

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., 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

Lemmon, D.S., 1998. Surficial geology, Klewi River, District of Mackenzie, Northwest Territories; Geological Survey of Canada, Map 1905A, scale 1:250 000. doi:10.4095/209686

Author Contact

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Coordinate System
Projection: Universal Transverse Mercator
Units: metres
Zone: 12
Horizontal Datum: NAD83
Vertical Datum: mean sea level

Bounding Coordinates
Western longitude: 114°00’00”W
Eastern longitude: 112°00’00”W
Northern latitude: 61°00’00”N
Southern latitude: 60°00’00”N

Software Version
Data has been originally compiled and formatted for use with ArcGIS™ desktop version 10.2.2 developed by ESRI®.

Data Model Information

Surficial
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