



Natural Resources  
Canada

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## CANADIAN GEOSCIENCE MAP 184

SURFICIAL GEOLOGY

# LAC DE GRAS

Northwest Territories

NTS 76-D

Map Information  
Document

Preliminary



Canadian  
Geoscience Maps

2014

Canada

## **PUBLICATION**

### **Map Number**

Natural Resources Canada, Geological Survey of Canada  
Canadian Geoscience Map 184 (preliminary, Surficial Data Model v. 2.0 conversion of Map 1870A)

### **Title**

Surficial geology, Lac De Gras, Northwest Territories, NTS 76-D

### **Scale**

1:125 000

### **Catalogue Information**

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## **ABSTRACT**

This new surficial geology map product represents the conversion of A-Series Map 1870A 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 1870A 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 dérivé de la carte de géologie de surface 1870A 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 1870A

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 B.C. Ward, L.A. Dredge, and D.E. Kerr, 1997

Geology conforms to Surficial Data Model v. 2.0

Data conversion by D.E. Kerr and S. Eagles, 2012–2013

Geology has been spatially adjusted to fit the updated base

Geomatics and cartography by M. Kremer and R. Chan

Initiative of the Geological Survey of Canada, conducted under the auspices of the Tri Territorial Surficial Database Project as part of Natural Resources Canada's Geo-mapping for Energy and Minerals (GEM) program

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 2014, 15°28'E, decreasing 29' annually. Readings vary from 16°21'E in the NW corner to 14°32'E in the SE corner of the map.

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

### Author Contact

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

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### Coordinate System

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

### Bounding Coordinates

Western longitude: 112°00'00" W  
Eastern longitude: 110°00'00" W  
Northern latitude: 65°00'00" N  
Southern latitude: 64°00'00" N

### 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., 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

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