



Natural Resources
Canada

Ressources naturelles
Canada

CANADIAN GEOSCIENCE MAP 248

SURFICIAL GEOLOGY

WOLLASTON PENINSULA

Victoria Island, Nunavut–Northwest Territories
NTS 87-D, parts of 87-A, B, C, E, and F

Map Information
Document

Preliminary



**Geological Survey of Canada
Canadian Geoscience Maps**

2017

Canada 



MAP NUMBER

Natural Resources Canada, Geological Survey of Canada
Canadian Geoscience Map 248 (Preliminary)

TITLE

Surficial geology, Wollaston Peninsula, Victoria Island, Nunavut–Northwest Territories,
NTS 87-D, parts of 87-A, B, C, E, and F

SCALE

1:250 000

CATALOGUE INFORMATION

Catalogue No. M183-1/248-2016E-PDF
ISBN 978-0-660-04119-3
doi:10.4095/299639

COPYRIGHT

© Her Majesty the Queen in Right of Canada, as represented by the Minister of Natural Resources, 2017

Information contained in this publication or product may be reproduced, in part or in whole, and by any means, for personal or public non-commercial purposes, without charge or further permission, unless otherwise specified.

You are asked to:

- exercise due diligence in ensuring the accuracy of the materials reproduced;
- indicate the complete title of the materials reproduced, and the name of the author organization; and
- indicate that the reproduction is a copy of an official work that is published by Natural Resources Canada (NRCan) and that the reproduction has not been produced in affiliation with, or with the endorsement of, NRCan.

Commercial reproduction and distribution is prohibited except with written permission from NRCan. For more information, contact NRCan at nrcan.copyrightdroitdauteur.nrcan@canada.ca.

RECOMMENDED CITATION

Geological Survey of Canada, 2017. Surficial geology, Wollaston Peninsula, Victoria Island, Nunavut–Northwest Territories, NTS 87-D, parts of 87-A, B, C, E, and F; Geological Survey of Canada, Canadian Geoscience Map 248 (preliminary, Surficial Data Model v. 2.1 conversion of Map 1650A), scale 1:250 000. doi:10.4095/299639

ABSTRACT

This new surficial geology map product represents the conversion of A-series map 1650A and its legend only, using the Geological Survey of Canada's Surficial Data Model (SDM version 2.1) which can be found in Open File 7741. All geoscience knowledge and information from map 1650A that conformed to the current SDM were maintained during the conversion process. Additional material such as marginal notes or figures which may exist on the original map, are not included here. Supplementary, limited legacy information was added to complement the converted geoscience data. This consists of a few glacial striations, and cross-cutting crag-and-tails and drumlinoid ridges, from Fyles, 1963. 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 à la conversion de la Carte 1650A et de sa légende uniquement, en se servant du Modèle de données pour les formations superficielles (MDFS version 2.1) de la Commission géologique du Canada, lequel peut être consulté dans le Dossier public 7741. Toutes les connaissances et l'information de nature géoscientifique de la Carte 1650A qui sont en conformité avec le modèle de données ont été conservées pendant le processus de conversion. Des éléments additionnels tels que des notes marginales ou des figures qui pourraient être présents sur la carte originale ne sont pas inclus ici. Des données complémentaires limitées ont été ajoutées pour compléter les données géoscientifiques converties. Il s'agit de quelques stries glaciaires, et crag-and-tails et drumlinoïdes qui se recoupent, de Fyles, 1963. Le but de la 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

View the license agreement at

<http://open.canada.ca/en/open-government-licence-canada>

ACCORD DE LICENCE

Voir l'accord de licence à

<http://ouvert.canada.ca/fr/licence-du-gouvernement-ouvert-canada>

SHEET 1 OF 1, SURFICIAL GEOLOGY

GENERAL INFORMATION

Author: Geological Survey of Canada

Geology by D.R. Sharpe and F.M Nixon, 1982, 1983; compiled by D.R. Sharpe 1984, 1985.

Geology conforms to Surficial Data Model v. 2.1

Data conversion by D.E. Kerr and S. Eagles, 2014, 2015

Geomatics by S. Eagles

Cartography by N. Côté

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

Map projection Universal Transverse Mercator, zone 11.
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

Proximity to the North Magnetic Pole causes the magnetic compass to be erratic in this area. Magnetic declination 2017, 17°22'E, decreasing 35.7' annually. Readings vary from 19°13'E in the SW corner to 14°38'E in the NE 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.

CARTOGRAPHIC REPRESENTATIONS USED ON MAP

This map utilizes ESRI Cartographic Representations in order to customize the display of standard GSC symbols for visual clarity on the PDF of the map only. The digital data still contains the original symbol from the standard GSC symbol set. The following legend features have Cartographic Representations applied:

- Thermokarst depression

REFERENCES

Cocking, R.B., Deblonde, C., Kerr, D.E., Campbell, J.E., Eagles, S., Everett, D., Huntley, D.H., Inglis, E., Laviolette, A., Parent, M., Plouffe, A., Robertson, L., St-Onge, D.A., and Weatherston, A., 2015. Surficial Data Model, version 2.1.0: Revisions to the science language of the integrated Geological Survey of Canada data model for surficial geology maps; Geological Survey of Canada, Open File 7741, 276 p. doi:10.4095/296568

Dyke, A.S., St-Onge, D.A., and Savelle, J.M., 2003. Deglaciation of southwestern Victoria Island and adjacent Arctic mainland, Nunavut-Northwest Territories; Geological Survey of Canada, Map 2027A, scale 1:500 000. doi:10.4095/214438

Fyles, J.G., 1963. Surficial geology of Victoria and Stefansson islands, District of Franklin; Geological Survey of Canada, Bulletin 101, 38 p. doi:10.4095/100620

Sharpe, D.R. and Nixon, F.M., 1989. Surficial geology, Wollaston Peninsula, (Victoria Island), District of Franklin, Northwest Territories; Geological Survey of Canada, Map 1650A, scale 1:250 000. doi:10.4095/126989

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
Daniel.Kerr@canada.ca

COORDINATE SYSTEM

Projection: Universal Transverse Mercator

Units: metres

Zone: 11

Horizontal Datum: NAD83

Vertical Datum: mean sea level

BOUNDING COORDINATES

Western longitude: 117°30'00"W

Eastern longitude: 112°00'00"W

Northern latitude: 70°25'00"N

Southern latitude: 68°25'00"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:

Cocking, R.B., Deblonde, C., Kerr, D.E., Campbell, J.E., Eagles, S., Everett, D., Huntley, D.H., Inglis, E., Lavolette, A., Parent, M., Plouffe, A., Robertson, L., St-Onge, D.A., and Weatherston, A., 2015. Surficial Data Model, version 2.1.0: Revisions to the science language of the integrated Geological Survey of Canada data model for surficial geology maps; Geological Survey of Canada, Open File 7741, 276 p. doi:10.4095/296568