

References

Deblonde, C., Cocking, R.B., Kerr, D.E., Campbell, J.E., Eagle, S., Everett, D., Huntley, D.H., Inglis, E., Parent, M., Plouffe, A., Robertson, L., Smith, I.R., and Weatherston, A., 2017. Surficial Data Model, version 2.3: revisions to the science language of the integrated Geological Survey of Canada data model for surficial geology maps; Geological Survey of Canada, Open File 2026, 1 zip file, <https://doi.org/10.4095/302717>

Dyke, A.S., 2001. Surficial geology, central Devon Island, Nunavut; Geological Survey of Canada, Map 1971A, scale 1:250 000, <https://doi.org/10.4095/21703>

Table 1. Radiocarbon ages.

Map no.	Age (BP)	Lab. Identification	Elev. (m)	Material
1	9090 ± 110	GSC-6184	60	Shells
2	3640 ± 140	S-3543	4	Whalebone
3	6870 ± 180	S-3527	19	WalrusTusk
4	8070 ± 180	S-3525	30.25	Whalebone
5	3550 ± 140	S-3527	2.25	Whalebone
6	9130 ± 180	Y-1734	37	Shells
7	10570 ± 200	TO-566	21	Lake Sedts
8	8920 ± 140	Beta-1419	62	Whalebone
9	7930 ± 90	GSC-5737	26	Shells
10	8820 ± 100	GSC-6185	39	Shells
11	8780 ± 100	GSC-6200	13	Shells
12	8860 ± 80	GSC-6191	19	Shells
13	7920 ± 180	S-3523	32.5	Whalebone
14	7750 ± 180	S-3538	25	Whalebone
15	6790 ± 100	S-3643	14	Whalebone
16	5360 ± 150	S-3536	8.5	Whalebone
17	4960 ± 160	S-3557	8.5	Whalebone
18	4050 ± 150	S-3542	5.75	Whalebone
19	5130 ± 260	S-3541	11.25	Whalebone
20	5780 ± 160	S-3540	12.5	Whalebone
21	6060 ± 160	S-3539	12.5	Whalebone
22	7940 ± 190	S-3558	32	Whalebone
23	8150 ± 190	S-3524	32	Whalebone
24	6980 ± 120	Y-1294	3.4	Shells
25	7750 ± 160	Y-1295	7.7	Shells
26	8180 ± 100	V-1566	15.5	Shells
27	15590 ± 240	V-1597	23	Shells
28	15120 ± 200	V-1298	38	Shells
29	8860 ± 160	Y-1299	60	Shells
30	2450 ± 90	I-3231	3.6	Peat
31	2900 ± 85	S-433	3	Whalebone
32	4300 ± 95	S-430	26	Peat
33	5280 ± 100	S-431	11	Driftwood
34	6100 ± 125	S-432	11	Whalebone
35	6900 ± 115	S-428	57	Shells
36	8200 ± 140	S-434	30	Shells
37	6810 ± 115	GSC-991	42.24	Whalebone
38	6370 ± 115	S-410	25	Shells
39	9570 ± 130	S-413	23	Shells
40	12800 ± 160	S-412	15.5	Shells
41	10620 ± 160	TO-564	7.1	Lake Sedts
42	30100 ± 1500	Y-1733	36	Shells

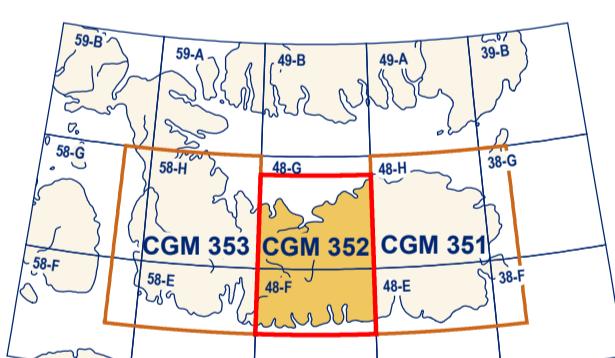
Notes: Ages are reported in the table according to the reporting protocols or the various laboratories. All dates on terrestrial materials are normalized to the -25 per mil PDB standard. However, dates on marine materials are reported inconsistently. PDB marine dates are reported with a 400 year reservoir correction. TO dates are reported without a reservoir correction. S dates are reported without normalization and without a reservoir correction.

Abstract

This new surficial geology map product represents the conversion of Map 1971A (Dyke, 2001) and its legend to the Geospatial System of Canada's Surficial Data Model (SDM version 2.3) (Open File 8236). All geoscience knowledge and information from Map 1971A and converted to the current SDM were maintained during the conversion process. The goal of converting legacy map data to a common science language and common legend is to enable and facilitate the digitization, digitization, and management, and dissemination of geological map information in a structured and consistent manner. This provides an effective knowledge management tool designed to support a geodatabase that can expand following the type of information to appear on new surficial geology maps.

Résumé

Ce nouveau produit géologique superficiel représente la conversion de la Carte 1971A (Dyke, 2001) et sa légende au Système géospatial du Modèle de données pour les formations superficielles (MDMS version 2.3) (Open File 8236). Tous les connaissances et informations géoscientifiques de la Carte 1971A qui sont en conformité avec le Modèle de données ont été conservées pendant le processus de conversion. 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 d'informations géologiques cartographiques en mode numérique de façon structurée et cohérente. Cette région de faire face à un nouveau type de géodatabase communautaire à l'aide d'une nouvelle base de données qui pourra évoluer suivant le type d'information à paraître sur les nouvelles cartes des formations superficielles.



National Topographic System reference and index to adjoining published Geological Survey of Canada maps

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Natural Resources
Canada

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CANADIAN GEOSCIENCE MAP 352
SURFICIAL GEOLOGY
CENTRAL DEVON ISLAND

Nunavut

NTS 48-F and G

1:250 000



Geological Survey of Canada
Canadian Geoscience Maps



Author: Geological Survey of Canada
Geology based on field work by A.S. Dyke, 1993 and 1994, and on airphoto interpretation
Geology conforms to Surficial Data Model v. 2.3
Data conversion by D.E. Kerr, 2016, 2018
Geology has been spatially adjusted to fit the updated base.
Geomatics by J. Kingsley
Cartography by E. Everett

CANADIAN GEOSCIENCE MAP 352
SURFICIAL GEOLOGY
CENTRAL DEVON ISLAND
Nunavut
NTS 48-F and G
1:250 000
5 0 5 10 15 20 km

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 16.
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.
Mean magnetic declination: 2015, 30°7'W, decreasing 6.5' annually. Readings vary from 32°33'W in the NE corner to 32°36'W 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 map info accompanying the downloaded data for more information about this publication.
This publication is available for free download through GEOSCAN (<http://geoscan.nrcan.gc.ca/>)

CANADIAN GEOSCIENCE MAP 352
SURFICIAL GEOLOGY
CENTRAL DEVON ISLAND
Nunavut
NTS 48-F and G

This publication has been scientifically reviewed, but it has not undergone a formal edit.

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Geological Survey of Canada, 2018. Surficial geology, central Devon Island, Nunavut, NTS 48-F and G. Geological Survey of Canada, Canadian Geoscience Map 352 (preliminary). Surficial Data Model v. 2.3 (conversion of Map 1971A), scale 1:250 000. <https://doi.org/10.4095/306554>