

CANADIAN GEOSCIENCE MAP 401

References

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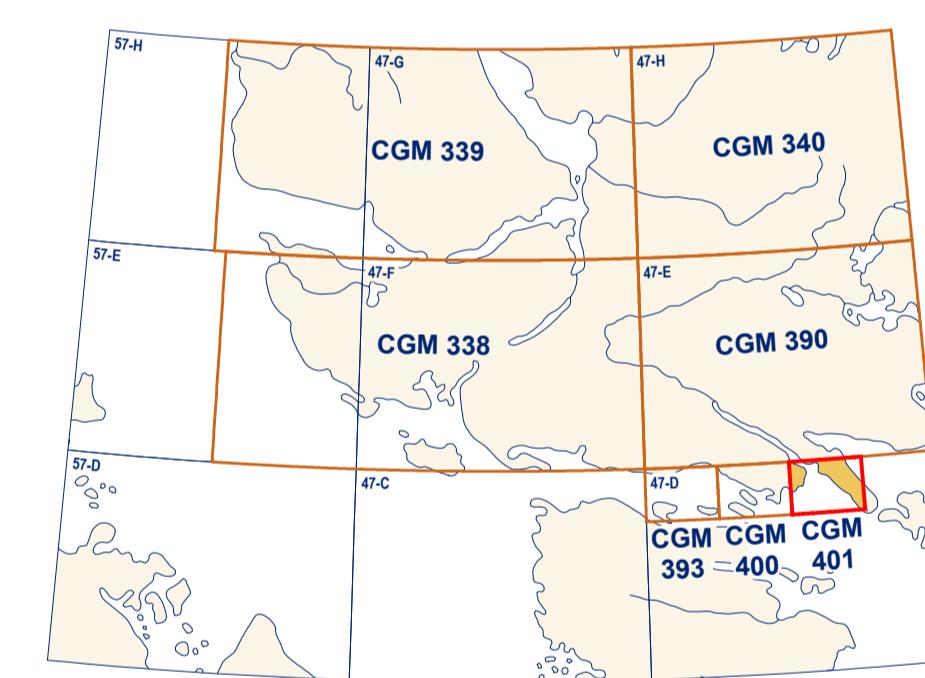
Dyke, A.S., 2004. Surficial geology: Siorasuk Peninsula, Baffin Island, Nunavut; Geological Survey of Canada, Open File 1630, scale 1:50 000. <https://doi.org/10.4095/15640>

Jackson, G.D. and Sangster, D.F., 1987. Geology, mineral deposits and occurrences, northwest Baffin Island and Bylot Island, District of Franklin, Northwest Territories; Geological Survey of Canada, Map 1-1987, scale 1:250 000. <https://doi.org/10.4095/23765>

Abstract

Résumé

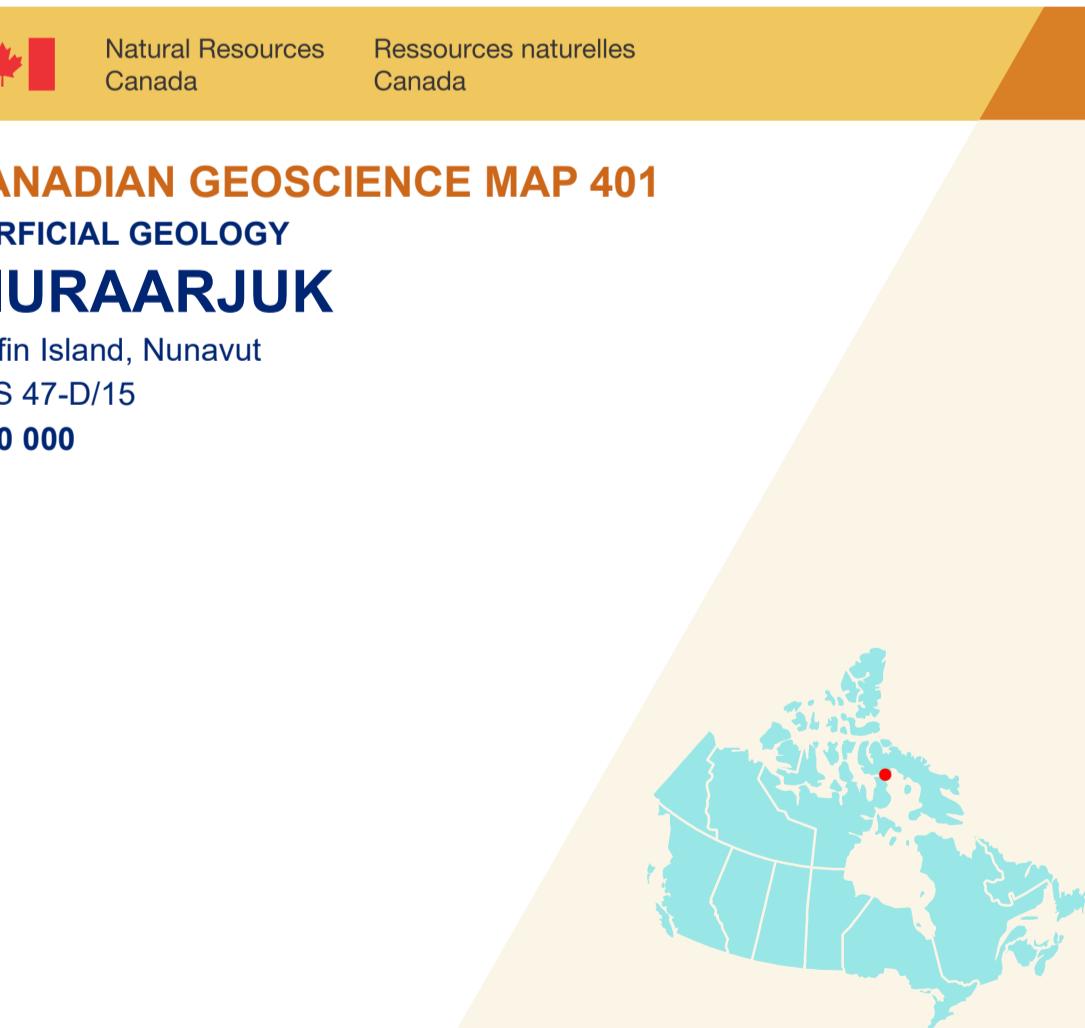
Ce nouveau produit cartographique de la géologie des formations superficielles correspond à la conversion du Dossier public 1630 (Dyke, 2004) et son légende, en servant du Modèle de données pour les formations superficielles (MDFS version 2.3.14) (Deblonde et al., 2018). Toutes les connaissances et l'information fournie dans le dossier public 1630 sont conservées et maintenues au cours du processus de conversion. Le but de la conversion de cartes publiées antérieurement sur papier est d'offrir un moyen efficace de gérer, d'interpréter, de gérer et de diffuser l'information géologique. Ce nouveau produit offre une interface conviviale et facile à utiliser qui permet de faire évoluer le type d'information à paraître sur les nouvelles cartes de la géologie des formations superficielles.



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

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SURFICIAL GEOLOGY
SIURAARJUK

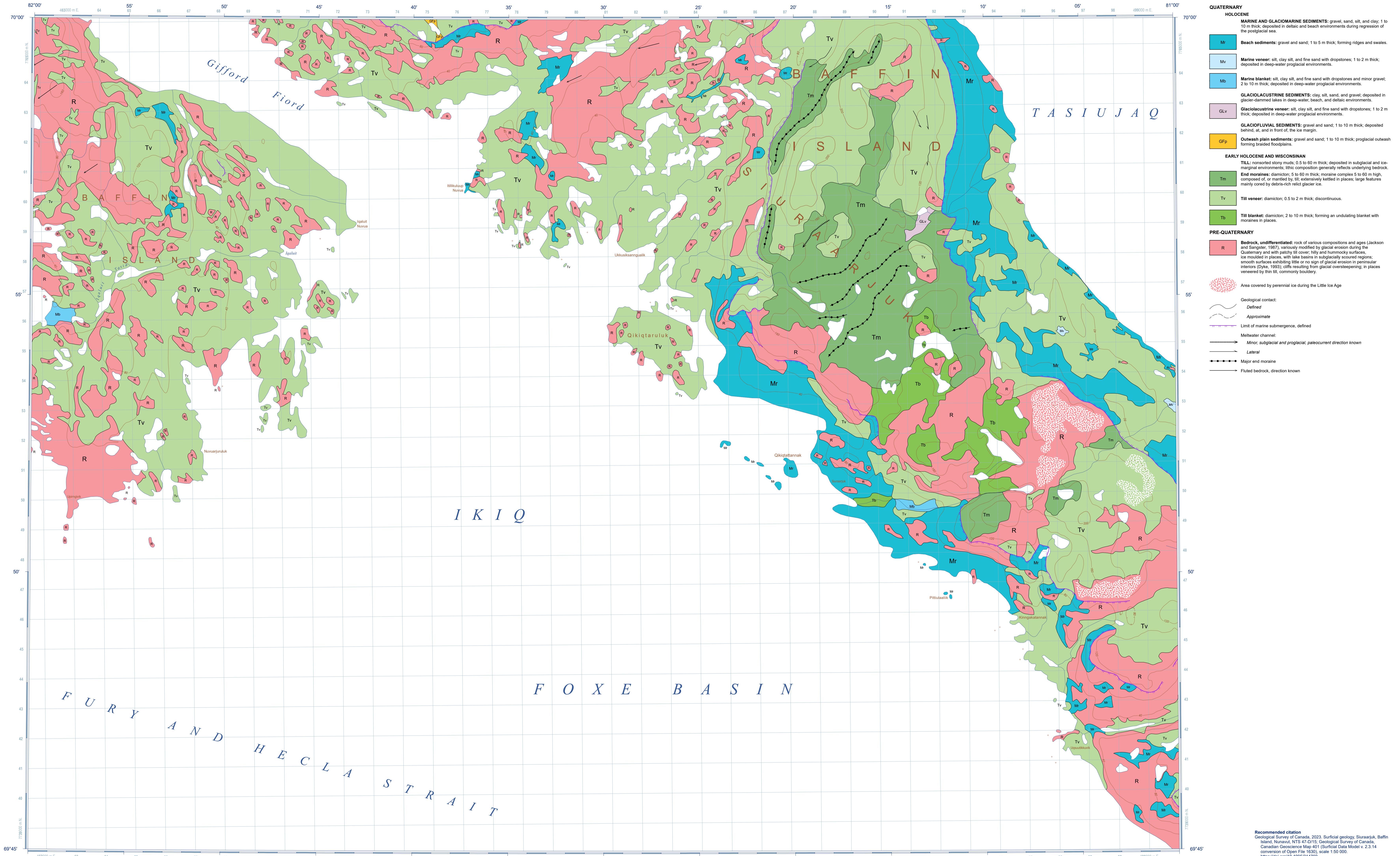
Baffin Island, Nunavut

NTS 47-D/15

1:50 000

Geological Survey of Canada
Canadian Geoscience Maps

Canada



CANADIAN GEOSCIENCE MAP 401

SURFICIAL GEOLOGY
SIURAARJUK

Baffin Island, Nunavut

NTS 47-D/15

1:50 000

Map projection Universal Transverse Mercator, zone 17
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 2023, 25°01'W, decreasing 41.4' annually

This map is not to be used for navigational purposes.

The Geological Survey of Canada velocity corrections or additional data may be used.
(gspublications-geopublications@nrcan-rncan.gc.ca).

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 (<https://geoscan.nrcan.gc.ca>).

QUATERNARY

HOLOCENE

MArine AND GLACIOMARINE SEDIMENTS: gravel, sand, silt, and clay; 1 to 10 m thick; deposited in deltaic and beach environments during regression of the postglacial sea.

Mr Beach sediments: gravel and sand; 1 to 5 m thick; forming ridges and swales.

Mv Marine veneer: silt, clay silt, and fine sand with dropstones; 1 to 2 m thick; deposited in deep-water proglacial environments.

Mb Marine blanket: silt, clay silt, and fine sand with dropstones; 2 to 10 m thick; deposited in deep-water proglacial environments.

GLACIO-LACUSTRIAL SEDIMENTS: clay, silt, sand, and gravel; deposited in glacier-dammed lakes in deep-water, beach, and deltaic environments.

GLACIOLACUSTRIAN veneer: silt, clay silt, and fine sand with dropstones; 1 to 2 m thick; deposited in deep-water proglacial environments.

GLACIOFLUVIAL SEDIMENTS: gravel, sand and silt; 1 to 10 m thick; deposited behind, at, and in front of the ice margin.

Gfp Glaciolacustrine veneer: silt, clay silt, and fine sand with dropstones; 1 to 2 m thick; deposited behind, at, and in front of the ice margin.

EARLY HOLOCENE AND WISCONSINIAN

Till, non-glaciated: gravel, sand, silt, and clay; 0 to 60 m thick, deposited in subglacial and ice-marginal environments; this composition generally reflects underlying bedrock.

End moraines: diamictite; 5 to 60 m thick; moraine complex 5 to 60 m high, composed of, or mantled by, till; extensively kettled in places; large features mainly covered by debris-rich relict glacier ice.

Tm Till veneer: diamictite; 0.5 to 2 m thick; discontinuous.

Tv Till blanketed: diamictite; 2 to 10 m thick; forming an undulating blanket with moraines in places.

PRE-QUATERNARY

R Bedrock, unifferentiated: rock of various compositions and ages (Jackson and Sangster, 1987); variously modified by glacial erosion during the Quaternary and with patchy till cover; hilly and hummocky surfaces, ice moulded in places, with lake terraces in subglacially scoured regions; smooth surfaces extensive in areas of glacial erosion in mountainous interiors (Dyke, 1993); ciffs resulting from glacial oversteepening; in places veneered by thin till, commonly bouldery.

Area covered by perennial ice during the Little Ice Age

Geological contact:

- Defined
- Approximate

Limit of marine submergence, defined:

- Lateral

Meltwater channel:

- Minor, subglacial and proglacial, paleocurrent direction known
- Major end moraine
- Fluted bedrock, direction known

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