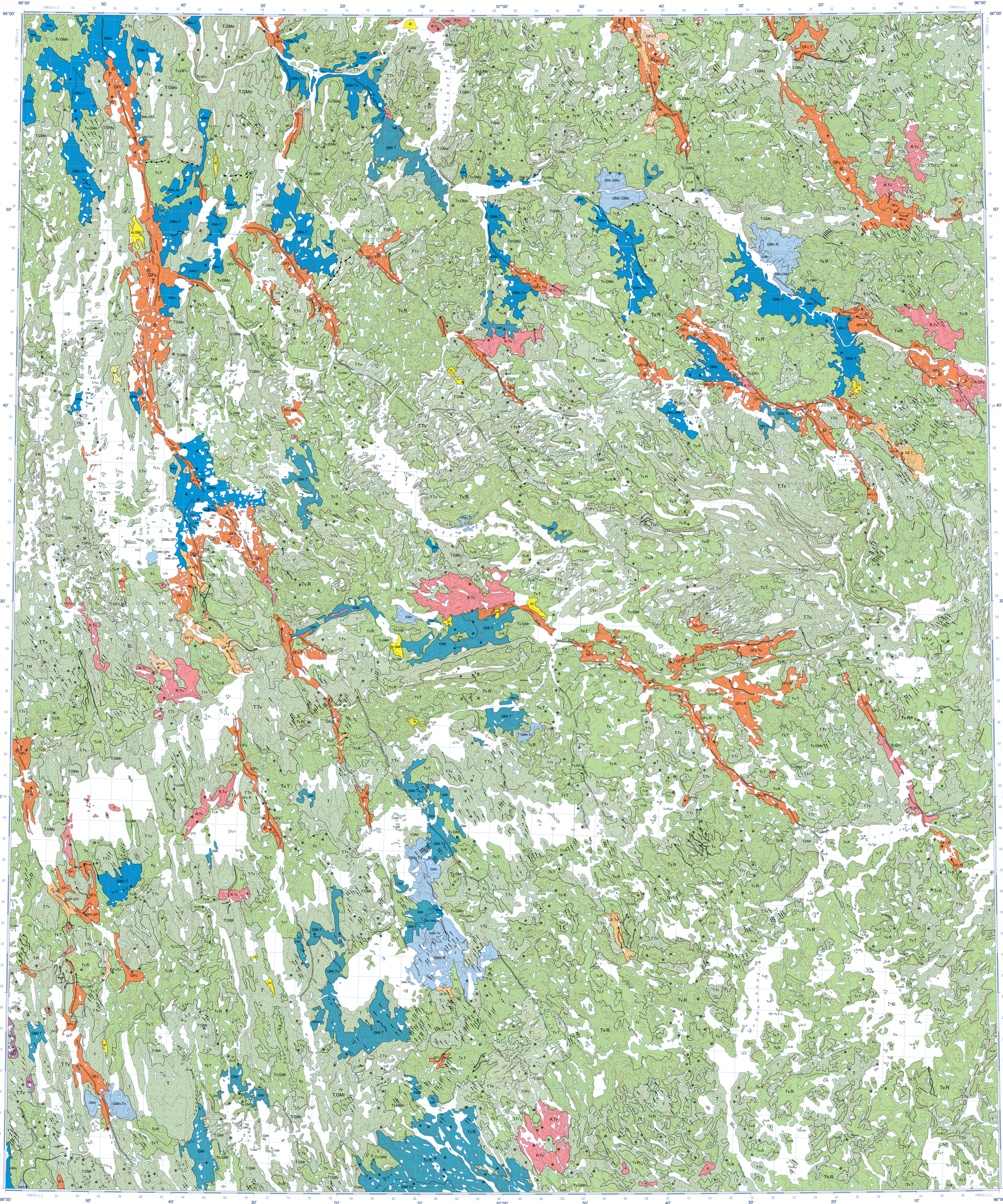


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Suggested Readings
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Wright, G.M., 1967. Surficial geology, southernmost Barren Grounds, District of Kivalliq and District of Mealy Mountains. Geological Survey of Canada, Map 137A, scale 1:100,000. https://doi.org/10.4095/10850



QUATERNARY
POST-LAST GLACIATION
EOLIAN SEDIMENTS
Ev Eolian veneer: silt and fine sand, moderately sorted and laminated, discontinuous organic material in places, less than 2 m thick, may be underlain by a few metres thick when overlying other sediments; deposits too small to be mapped are generally not shown unless for R, GF, and GP, which may be unvegetated or vegetated, and inactive or active.
Alluvial sediments: silt, sand and fine gravel, moderately to well sorted, but commonly cross-bedded with local deposits of different grain size, cross-bedding, scour-and-fill structures, and ripple marks common; up to 16 m thick.
Ap Floodplain sediments: silt to gravel; up to 5 m thick, active, seasonally flooded, unvegetated.
At Terrace sediments: silt to gravel; up to 5 m thick, raised sediments above present flood zone, vegetated.
LAST GLACIATION
PROGLACIAL AND GLACIAL ENVIRONMENT
GLACIOMARINE SEDIMENTS: silt, sand, and in places clay or gravel, generally less than 10 m but up to 70 m thick. Deposited in high stand of the sea during glacial retreat.
GM Beach and nearshore sediments: sand and silt or gravel, horizontal and cross-bedded, veneer commonly less than 1 m when overlying bedrock, but up to a few metres thick when overlying other sediments; occur as beaches and terraces.
GMn Littoral sediments and nearshore sediments: sand and silt or gravel, horizontal and cross-bedded; veneer commonly less than 1 m, overlie bedrock; occur as beaches and terraces.
GMs Offshore sediments: silt and clay, commonly rhythmically bedded, varied thickness; deep-water environment; may locally overlie bedrock.
GLACIOFLUVIAL SEDIMENTS
GLACIOFLUVIAL SEDIMENTS (TLL)
TLL TLL veneer: claystone, commonly less than 1 m thick, overlies bedrock when lag deposit overlies it; present, the upper metre of TLL is commonly cross-bedded, composed but unsorted, generally occurs mainly as blanket silt overlies bedrock or as hummocks and ridges (moraines); where hummocks and ridges are present, the upper metre is commonly sandy due to either removal of fines by wave action, or intermingling of glaciomarine, glaciolacustrine or glaciolacustrine sand; may include unsorted lag overlies when unit T occurs as a secondary unit in complex polygons.
T TLL, undifferentiated: silt, gravelly sand (diamonitic) with less than 70% clay, commonly rounded, composed but unsorted, generally occurs mainly as blanket silt overlies bedrock or as hummocks and ridges (moraines); where hummocks and ridges are present, the upper metre is commonly sandy due to either removal of fines by wave action, or intermingling of glaciomarine, glaciolacustrine or glaciolacustrine sand; may include unsorted lag overlies when unit T occurs as a secondary unit in complex polygons.
GLACIAL ENVIRONMENT
GLACIAL SEDIMENTS (TLL)
TLL TLL veneer: claystone, commonly less than 1 m thick, overlies bedrock when lag deposit overlies it; present, the upper metre of TLL is commonly cross-bedded, composed but unsorted, generally occurs mainly as blanket silt overlies bedrock or as hummocks and ridges (moraines); where hummocks and ridges are present, the upper metre is commonly sandy due to either removal of fines by wave action, or intermingling of glaciomarine, glaciolacustrine or glaciolacustrine sand; may include unsorted lag overlies when unit T occurs as a secondary unit in complex polygons.
PRE-QUATERNARY
R R Bedrock, undifferentiated: Precambrian igneous and metamorphic crystalline rock of varied composition and structure.

Complex units: two map-unit designators separated by a dot (.) are used where the surficial cover forms a complex area and the units are too small to be mapped individually (e.g., TLL.GF designates an area of TLL veneer with numerous areas of glaciolacustrine sediments). The map-unit polygon is coloured according to the dominant unit and labeled in descending order of cover.
Reworked sediments: silt is abnormally sandy due to either removal of fines by wave action, or intermingling of glaciomarine, glaciolacustrine, or glaciolacustrine sand.
K Kettle, small
GC Geologic contact, defined
B Beach crest
M Melchior channel
Mn Minor, abandoned, paleocurrent direction unknown
Mk Minor, abandoned, paleocurrent direction known
Moraine ridge
Mn Minor
E Esker, paleocurrent direction known
D Drowned, length not mapped to scale
C Crag-and-tail, length not mapped to scale
Dn Delta, paleocurrent direction known
Ic Ice-contact delta, paleocurrent direction known
S Shallow orithole location
St Station location
Oa Remote observation
G Ground observation

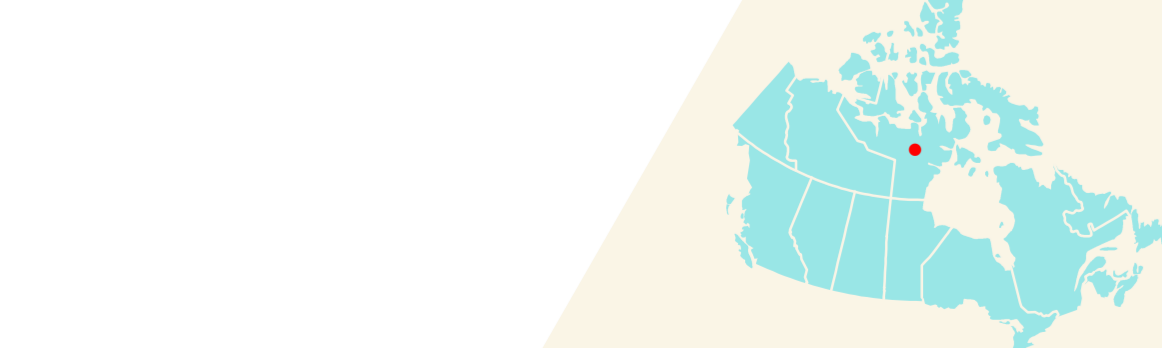
Abstract
This new surficial geology map product represents the conversion of Prehistory Map 9-1881 (Thomas, 1981) and its legend, using the Geological Survey of Canada's Surficial Data Model (SDM) version 2.3.14 (Deslaurier et al., 2018). All geoscientific knowledge and information from Prehistory Map 9-1881 that conformed to the SDM were maintained during the conversion process. The purpose of converting legacy map data to a common source language and common legend is to enable and facilitate the efficient digital compilation, interpretation, management, and dissemination of geological map information in a structured and consistent manner. This provides an effective knowledge-management tool designed around a geodatabase that 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 préhistoire 9-1881 (Thomas, 1981) et de sa légende, en se servant du Modèle de données pour les formations superficielles (MDFS) version 2.3.14 de la Commission géologique du Canada (Deslaurier et al., 2018). Toutes les connaissances et l'information de nature géoscientifique de la Carte préhistoire 9-1881 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 à un langage scientifique commun et d'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. Cela permet de faire évoluer un outil efficace de gestion des connaissances géologiques à l'aide d'une géodatabase qui pourra évoluer suivant le type d'information à paraître sur les nouvelles cartes de la géologie des formations superficielles.

CGM 174 CGM 332 CGM 175
CGM 208 CGM 331 CGM 330
CGM 322 CGM 324 CGM 329
National Topographic System reference and index to adjoining published Geological Survey of Canada maps

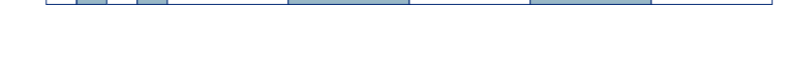
Catalogue No. M183-1/23-2023E-PDF
ISBN 978-0-609-05248-0
https://doi.org/10.4095/8206

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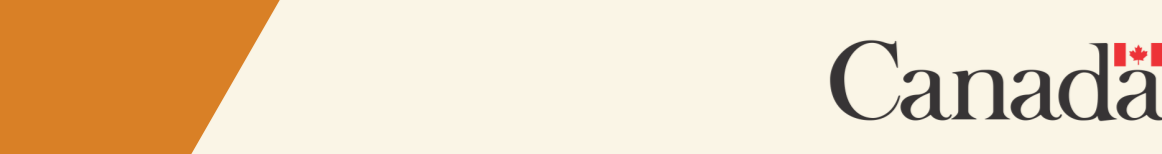
CANADIAN GEOSCIENCE MAP 331
SURFICIAL GEOLOGY
AMER LAKE
Nunavut
NTS 66-H
1:125 000



SURFICIAL GEOLOGY
AMER LAKE
Nunavut
NTS 66-H
1:125 000



Geological Survey of Canada
Canadian Geoscience Maps



Author: Geological Survey of Canada
Geology by R.D. Thomas, 1970 and 1977
Cartography by D. Usher
Scientific editing by L. Swift
Geology conforms to Surficial Data Model v. 2.3.14 (Deslaurier et al., 2018)
Data conversion by G.E. Kehn, 2018

Geomatics by B. Roachhouse, K. McNeil, J. Annett, and C.D. Swenson
Cartography by D. Usher
Scientific editing by L. Swift
Initiative of the Geological Survey of Canada, conducted under the auspices of Natural Resources Canada's Geomatics for Energy and Minerals (GEM3) program
Map projection: Universal Transverse Mercator, zone 14
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 2023, 0°56'W, decreasing 8° annually; readings are from 0°28'W in the SW corner to 2°36'W 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 this downloaded data for more information about this publication.
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