

**References**

Deblonde, C., Cocking, R.B., Kerr, D.E., Campbell, J.E., Egles, S., Everett, D., Huntley, D.H., Inglis, E., Parent, M., Pouliot, A., Robertson, L., Smith, I.R., and Weatherston, A., 2018. Surficial Data Model: the science language of the integrated Geological Survey of Canada data model for surficial geology maps; Geological Survey of Canada, Open File 2018-001, 1 zip file. <https://doi.org/10.4095/22142>

Dyke, A.G. and Peltier, W.R., 2000. The origin and variability of relative sea-level curves, glaciated North America. *Geophysics*, v. 65, p. 315–333. [https://doi.org/10.1016/S0883-4362\(00\)80022-6](https://doi.org/10.1016/S0883-4362(00)80022-6)

Little, E.C., 2006. Surficial geology, Ellice Hills (north), Nunavut; Geological Survey of Canada, Open File 5016, scale 1:50 000, 1 zip file. <https://doi.org/10.4095/22142>

McMartin, I., Utting, D.J., Little, E.C., Ozyer, C.A., and Ferber, T., 2003. Complete results from the Committee Bay drift prospecting survey, central Nunavut (NTS 56-K, 56-O south, 56-P); Geological Survey of Canada, Open File 4493, 1 zip file. <https://doi.org/10.4095/21464>

Deblonde, C., Cocking, R.B., Kerr, D.E., Campbell, J.E., Egles, S., Everett, D., Huntley, D.H., Inglis, E., Parent, M., Pouliot, A., Robertson, L., Smith, I.R., and Weatherston, A., 2018. Surficial Data Model: the science language of the integrated Geological Survey of Canada data model for surficial geology maps; Geological Survey of Canada, Open File 2018-001, 1 zip file. <https://doi.org/10.4095/22142>

Little, E.C., 2006. Surficial geology, Ellice Hills (north), Nunavut; Geological Survey of Canada, Open File 5016, scale 1:50 000, 1 zip file. <https://doi.org/10.4095/22142>

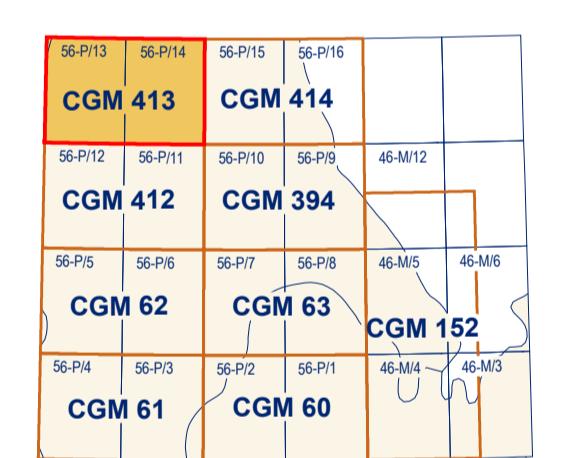
McMartin, I., Utting, D.J., Little, E.C., Ozyer, C.A., and Ferber, T., 2003. Complete results from the Committee Bay drift prospecting survey, central Nunavut (NTS 56-K, 56-O south, 56-P); Geological Survey of Canada, Open File 4493, 1 zip file. <https://doi.org/10.4095/21464>

**Abstract**

This new surficial geology map product represents the conversion of Open File Map 413 (Little, 2006) and its legacy map, using the Geological Survey of Canada's Surficial Geoscience Model (SGM) version 2.3.14. All previous knowledge and information from Open File 5016, map 3 that conformed to the 1:50 000 scale was used during the conversion process. Supplementary legacy information (descriptive notes, field observations, and sample locations) from legacy information was added to complement the converted geoscience data. This consists of situations where legacy data did not conform to the SGM, or were accompanying geodatabase. This type of conversion requires the use of legacy data and its associated common legacy to be enabled to facilitate the efficient digital compilation, interpretation, management, and dissemination in a consistent manner. This provides an effective knowledge-management tool designed around a geoscience data set that can expand beyond the type of information to appear on new surficial geology maps.

**Résumé**

Ce nouveau produit de géologie surficiale représente la conversion de la carte d'Open File 413 (Little, 2006) et de sa carte héritière, en utilisant le Modèle de géologie des formations superficielles (SGM) version 2.3.14. Toutes les connaissances et informations existantes provenant de l'Open File 5016, carte 3 qui correspondait à l'échelle 1:50 000 ont été utilisées pendant la conversion. Des informations supplémentaires héritées (notes décriptives, observations de terrain et emplacements de échantillons) ont été ajoutées pour compléter les données géoscientifiques converties. Ce consiste en des situations où les données héritées ne correspondaient pas au SGM ou étaient accompagnées par une base de données géodatique. Ce type de conversion nécessite l'utilisation des données héritées et de leur contexte commun héritier pour être activé et faciliter l'efficacité de la compilation numérique, de l'interprétation, de la gestion et de la diffusion dans un mode cohérent. Cela fournit un outil de gestion des connaissances efficace conçu autour d'un jeu de données géoscientifiques qui peut s'étendre au-delà du type d'information pour apparaître sur de nouvelles cartes de géologie des formations superficielles.



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

Catalogue No. M183-14143-2022-04  
ISBN 978-0-660-31229-0  
<https://doi.org/10.4095/315017>

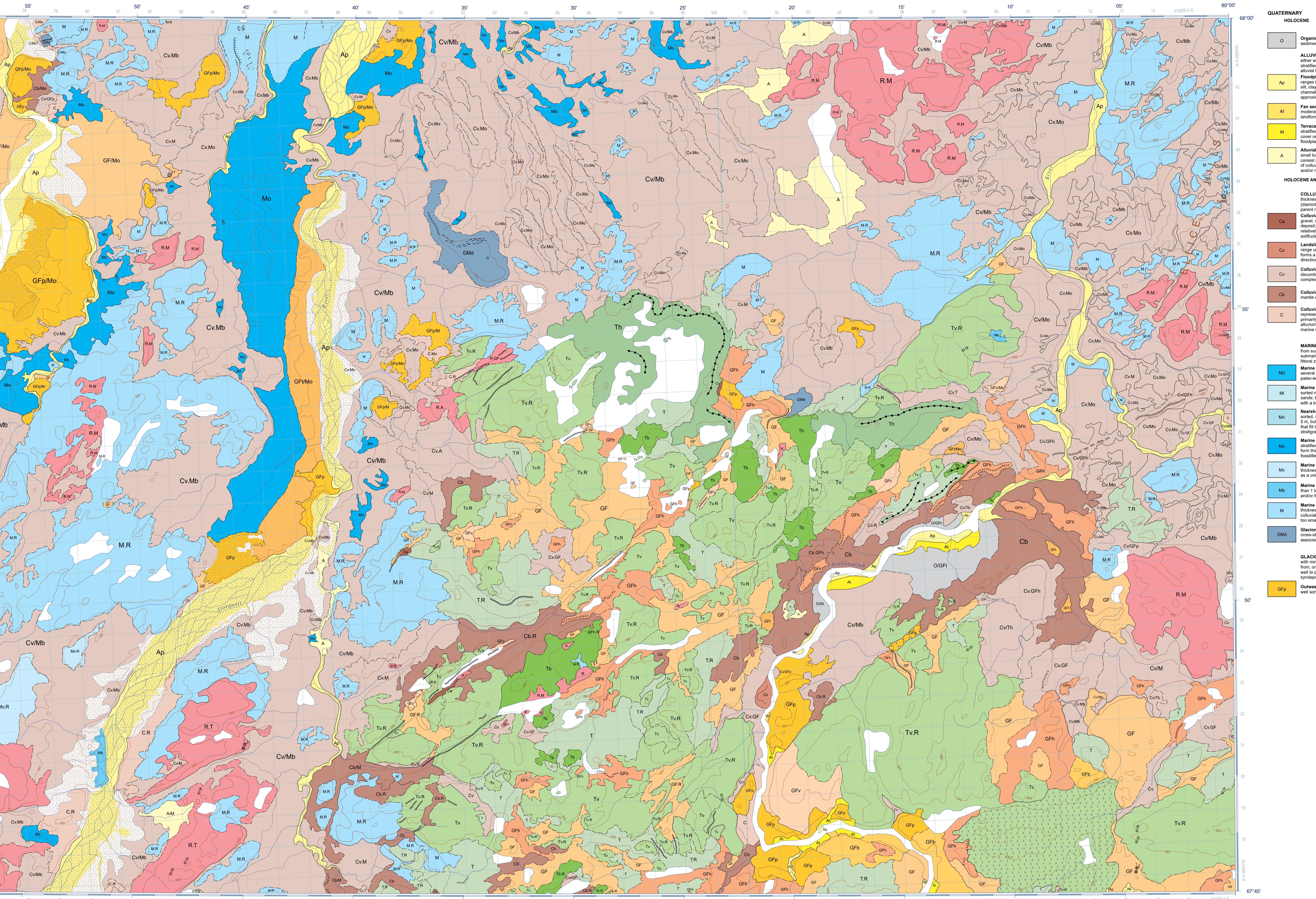
© His Majesty the King in Right of Canada, as represented by the Minister of Natural Resources, 2022

NATIONAL RESOURCES CANADA  
GEOLOGICAL SURVEY OF CANADA  
CANADIAN GEOSCIENCE MAP 413  
CANADA-NUNAVUT GEOSCIENCE OFFICE  
OPEN FILE MAP 2022-04  
SURFICIAL GEOLOGY  
avalikuarjuk river

Nunavut  
NTS 56-P/13 and 14  
1:50 000



Geological Survey of Canada  
Canadian Geoscience Maps



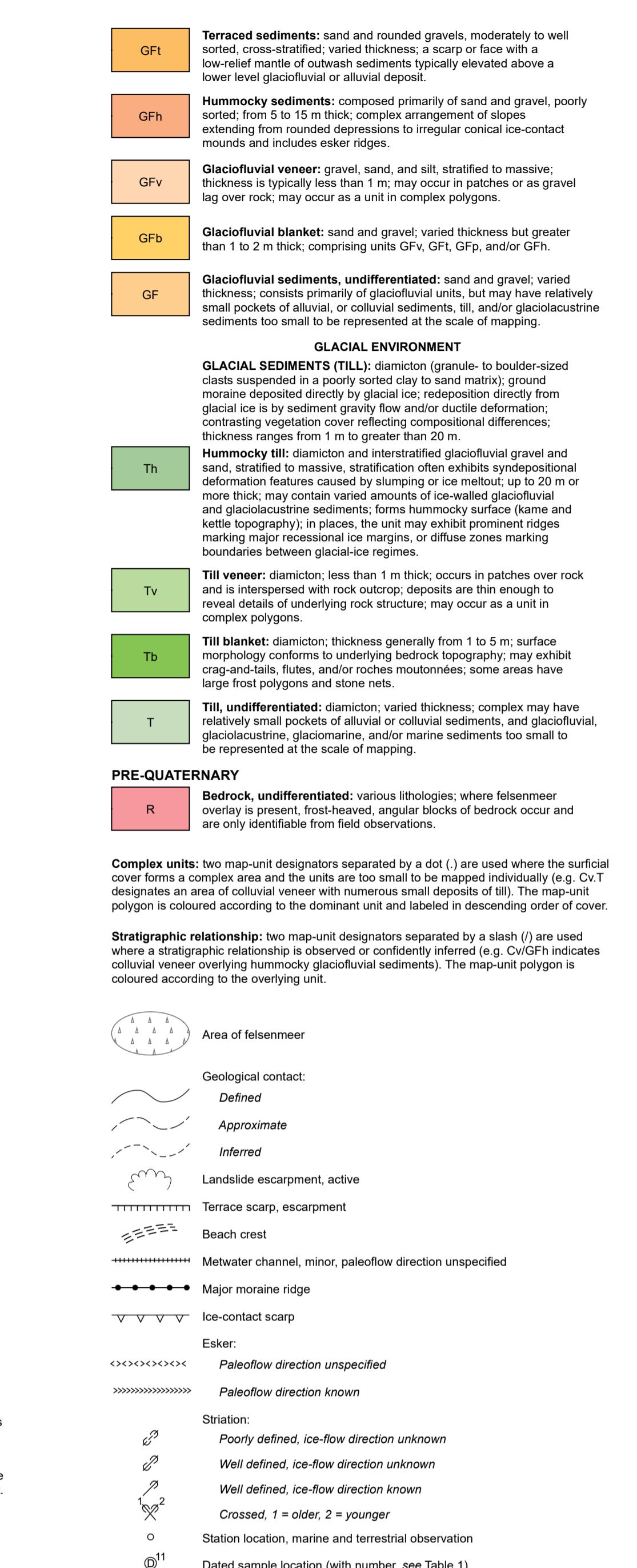
GSC CANADIAN GEOSCIENCE MAP 413 • CNGO OPEN FILE MAP 2022-04

Author: Geological Survey of Canada  
Geology by E.C. Little, M. Gagnepain, D. Utting, T. Ferrey, and C. Ozyer, 2003; additional air photo interpretation along the northwestern map margin by D.E. Kerr, 2017  
Geological compilation by E.C. Little, 2004 and 2005  
Geology conforms to Surficial Data Model v. 2.3.14 (Deblonde et al., 2018).  
Geological data conversion by D.E. Kerr, 2016 to 2018

Geology has been spatially adjusted to fit the updated base.  
Geomatics by J. Kingsley, C.D. Stevens, and L. Robertson  
Cartography by D. Viner  
Scientific editing by L. Ewert  
Joint initiative of the Geological Survey of Canada and the Canada-Nunavut Geoscience Office, conducted under the auspices of the Information Management Project as part 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 1:50 000 from Natural Resources Canada, with modifications  
Elevations in metres above mean sea level  
Proximity to the North Magnetic Pole causes the magnetic compass to decrease annually from 2013 to 2023.  
Magnetic declination 2022, 13°26'W, decreasing 27.5' annually  
This map is not to be used for navigational purposes.

The Geological Survey of Canada welcomes corrections or additional information from users  
(gspublications@gspublications@nrcan-iccan.gc.ca).  
Data may include additional observations not displayed on this map.  
See map info document for more information about the converted data for more information about this publication.  
This publication is available for free download through  
GEOSCAN (<https://geoscan.nrcan.gc.ca>) and  
Canada-Nunavut Geoscience Office (<https://cngo.ca>).



Fossil number	Lab ID	Latitude	Longitude	Elevation (m)	<sup>14</sup> C Analysis	Media	Species	<sup>14</sup> C Unadjusted age (ka)	<sup>14</sup> C Reservoir Correction (A=0.4ka) (ka)	Reservoir Correction (B=0.63ka) (ka)
13 BU-0208-A	67.9555	88.8050	116	Standard	Shell	S. groenlandica	7.2 ± 0.7	6.63	6.6	
13 BU-1618-A	67.9489	88.0048	170	Standard	Shell	M. truncata	8.76 ± 0.6	8.36	8.13	

\*For Correlation "A" is presented to allow for comparison (using a reservoir correction of ~400 years (e.g. Dyke and Peltier, 2000)). These shell ages are used in the conversion of the new values presented here to ensure consistency.

\*For Correlation "B" presents modern reservoir corrections based on Little (2008); these shell ages are used in the sea-level curve reconstruction-II to ensure that new values presented here are comparable to values present in papers using the <math>\delta</math>-400 year reservoir correction.

Dated sample location (with number, see Table 1)

Recommended citation  
Geological Survey of Canada, 2022. Surficial geology, Avalikuarjuk River, NTS 56-P/13 and 14; GSC Canadian Geoscience Map 413, Canada-Nunavut Geoscience Office, Open File Map 2022-04, scale 1:50 000. <https://doi.org/10.4095/318017>