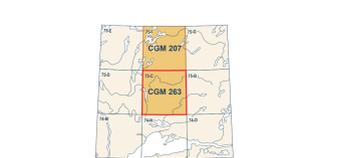




References and additional data:
 Crick, R.B., DeWilde, C., Kerr, D.E., Campbell, J.J., Engles, S., Ewert, D., Hickey, D.H., Inglis, E., Lavieña, A., Patten, M., Pothof, A., Robertson, L., St-Onge, D.A., and Westphalen, A., 2015. Surficial Data Model version 2.0. Revision to the national geoscientific data model for surficial geology maps. Geological Survey of Canada, Open File 7747, 276 p. doi:10.4095/298586
 Muller, R., and Taylor, F.W., 1988. Geology of Hill Island Lake, District of Mackenzie, Geological Survey of Canada. Map 1023A, scale 1:250 000. doi:10.4095/100117

Abstract
 Reconnaissance mapping, through air photograph interpretation and limited geophysical data in the Hill Island Lake area, provides a basic understanding of surficial sediments and glacial history. Blockwork is exposed throughout the map area but more extensive in the northern half. To facilitate future research, a detailed geological map is being prepared. The map will show the distribution of surficial sediments and glacial features. The map will also show the distribution of surficial sediments and glacial features. The map will also show the distribution of surficial sediments and glacial features.

Résumé
 Une cartographie de reconnaissance, réalisée par interprétation de photos aériennes et l'interprétation d'une quantité limitée de données géophysiques de terrain, fournit une compréhension sommaire des sédiments superficiels et de l'histoire glaciaire. Le blocwork rocheux est bien exposé dans l'ensemble de la région cartographiée, mais plus particulièrement dans la moitié nord. Une carte plus détaillée de ces sédiments superficiels et de l'histoire glaciaire est en cours de préparation. Cette carte montrera la répartition des sédiments superficiels et des caractéristiques glaciaires. Elle montrera également la répartition des sédiments superficiels et des caractéristiques glaciaires.



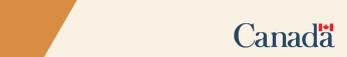
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CANADIAN GEOSCIENCE MAP 263
RECONNAISSANCE SURFICIAL GEOLOGY
HILL ISLAND LAKE
 Northwest Territories
 NTS 75-C
 1:125 000



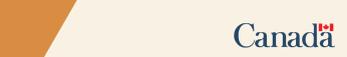
Geological Survey of Canada
Canadian Geoscience Maps



QUATERNARY	
HOLOCENE	
E	NONGLACIAL ENVIRONMENT Eolian sediments, undifferentiated: sand, gravel, and cobble; variable thickness; may contain active and stabilized dunes and blow-outs; derived predominantly from glacial till and moraine deposits.
CA	Colluvial apron, dune-like : may include sand, gravel and angular cobbles; variable thickness; formed predominantly from downslope movement of sediments, may include moraine fans.
A	Alluvial sediments, undifferentiated : silt to gravel; 1 m to 3 m or more thick; deposited by modern streams and rivers; may include floodplains and alluvial fans in broad and meandering river valleys.
L	Lacustrine sediments, undifferentiated : silt to gravel; variable thickness; exposed in modern lakes along shorelines and as islands.
PROGLACIAL AND GLACIAL ENVIRONMENT	
GLU	Glaciolacustrine deltaic sediments : sand, gravel, and cobble; variable thickness; associated with temporary ice-dammed lakes in valleys of the main flow and flow, till lobes, and Koller lakes; may include siltstone and braided paleochannels.
GLB	Glaciolacustrine blanket : the graded sediments to sand and gravel; greater than 2 m thick; associated with temporary glacier-dammed lakes of variable thickness. The blanket may include water sediments and transitional subaerial outwash fans, collae and subsequent outwash; may be overlain by organic deposits up to 2 m thick in poorly drained areas, and contain modern alluvial sediments in valley bottoms.
GFP	Glaciolacustrine outwash plain sediments : sand and gravel; variable thickness; generally flat topped with braided paleochannels, occur as clays, may include siltstone, ice contact sediments.
GFL	Glaciolacustrine fan sediments : sand and gravel; variable thickness; deposited by glacial meltwater; occur in various depositional environments as terraces, benches and/or braided paleochannels.
GRV	Esker sediments : sand, gravel and cobbles; variable thickness; forms ridges with both sharp crests and flat topped segments of variable length; deposited at or below the ice margin; formed subglacially or in subglacial recessed or on-ice channels; may be associated with ice-dammed lakes and ice sheet retreat; may include siltstone, silt and clay, and related same deposits.
GFB	Glaciolacustrine blanket : sand and gravel; greater than 2 m thick; variable surface composition; may include siltstone, silt and clay, and related same deposits.
GR	Glaciolacustrine sediments, undifferentiated : sand and gravel; variable thickness; may include siltstone, silt and clay, and related same deposits.
GLACIAL ENVIRONMENT	
TL	Stagnated till : clastic; greater than 2 m thick; occurs as drummed fields with various assemblages of landforms shown by symbols; may contain small areas of till veneer and bedrock.
TV	Till veneer : clastic; less than 2 m thick but may be thicker locally; occurs as a discontinuous layer where rock structure is generally visible, and as a lag on washed bedrock; may include outwash, small isolated units of glaciolacustrine and glaciolacustrine sediments, hummocky till, and till blanket; when overlain by nonglacial sediments, till veneer may include more transitional unstratified tiller than meltwater deposits.
TB	Till blanket : clastic; greater than 2 m thick; occurs as till plains mimicking bedrock topography and drummed fields with various landforms shown by symbols; may contain small areas of till veneer, glaciolacustrine sediments and bedrock; may be overlain by organics in depressions.
PRE-QUATERNARY	
R	Bedrock, undifferentiated : may include patches of till and glaciolacustrine sediments; may exhibit evidence of meltwater scour.
	Resorted sediments

- Complex units**: Where the surficial cover forms a complex pattern and the map units are too small to be mapped individually, yet constitute a significant areal extent of the total program, a dot (•) separates the first dominant map unit from the rest of the units described. For example, R • TV designates an area of bedrock with some areas of till veneer.
- Stratigraphic relationships**: Where observed or can be confidently inferred, a map unit stratigraphic sequence is shown with a maximum of two map unit designations separated by a slash (/). For example, TV/B designates a till veneer overlying a till blanket.
- Geological contact, defined**
- Dune crest
 - Terrace scarp
 - Meltwater channel
 - Minor, paleoflow direction unknown
 - Minor, paleoflow direction known
 - Moraine ridge
 - Minor
 - Major
 - Esker
 - Paleoflow direction unknown
 - Paleoflow direction known
 - Drummed ridge, 1 = older, 2 = younger
 - Dune
 - Crag and tail
 - Flooded bedrock, direction known
 - Thermokarst depression
 - Patterned ground
 - Kame
 - Stratton, series known
 - Small outcrop

Geological Survey of Canada
Canadian Geoscience Maps



Authors: V.M. LeVine, T. Farber, and D.E. Kerr
 Geology by V.M. LeVine, T. Farber, and D.E. Kerr, 2015
 Geology conforms to Surficial Data Model v. 2.1
 Geology based on aerial photograph interpretation by V.M. LeVine and T. Farber, 2012, 2013, with revisions by D.E. Kerr, 2014, 2015. Station data from Muller and Taylor, 1988.
 Cartography by D. Veier

Instance of the Geological Survey of Canada as part of Natural Resources Canada's Geomapping
 Map projection: Universal Transverse Mercator, zone 12, North American Datum 1983
 Base map at the scale of 1:50 000 from Natural Resources Canada, with modifications
 Elevations above mean sea level are expressed in metres (NTS 75-C/1, 15, and 16) and feet (NTS 75-C/3 and 4)

CANADIAN GEOSCIENCE MAP 263
RECONNAISSANCE SURFICIAL GEOLOGY
HILL ISLAND LAKE
 Northwest Territories
 NTS 75-C
 1:125 000



Mean magnetic declination 2016, 1°27'E; chronometric 14.6° annually. Readings vary from 12 000 in the SE corner to 12 600 in the NW corner of the map.
 This map is not to be used for navigational purposes.
 The photograph, filed 88 and bedrock recording southwestward or flow, south of Vanoyk Lake, NAPL or photograph A16084.31

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 GEOCAN (http://www.gov.gc.ca)

Preliminary publications in this series have not been scientifically edited.

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 Northwest Territories
 NTS 75-C