

### LEGEND

This legend is common to maps 2042A, 2043A, 2044A, 2045A, 2046A, 2047A, and 2048A. Coloured legend blocks indicate map units that appear on this map. Not all map symbols shown in the legend appear on this map.

#### QUATERNARY

##### HOLOCENE

- Fxt** FLUVIAL DEPOSITS (proglacial alluvial floodplains, terraces, fans, and delta topsets): gravel, sand, boulders, minor silt, and mud; 1-10 m thick; deposited in stratiflats.
- Mv** MARINE VESEER: sand, silt, and gravel; 0.5-2 m thick; discontinuous cover of littoral and offshore sediment including beach ridges and sea-ice-related debris; mimics surface of underlying till or rock. Fine-grained sediment bears a continuous vegetation cover patterned with subparallel ribs.
- GMd** GLACIAL MARINE DELTA: sand, silt, gravel, and boulders; 2-30 m thick; deposited in the high proglacial sea.
- GMD** GLACIAL MARINE BLANKET: sand, silt, minor gravel, and diptonemes; 3-30 m thick; deposited from suspension and iceberg rafting; locally capped by Holocene marine regression sediments.
- GFpt** GLACIOFLUVIAL OUTWASH: gravel and sand; 1-30 m thick; deposited by meltwater channels, et, and in front of ice margins.
- Gr** GLACIOFLUVIAL ICE-CONTACT DEPOSITS (eskers and kames): poorly stratified to sorted gravel, sand, and boulders; 5-20 m thick; forming ridges and hummocks.

##### EARLY HOLOCENE AND WISCONSINAN

- Th** Hummocky till: distinct from which may be underlain by moraine glacial ice; 1-20 m thick; rolling to hummocky; mainly in Frobisher Bay moraines.
- Td** Till blanket: distinct; 1-10 m thick; undulating plain with minor fluted, hummocky, ridged, ribbed, or channelled areas; soft-sediment loess on steep slopes; thick and moraine; minor till veneer or glaciofluvial outwash; rare glaciofluvial lines.
- Tv** Till veneer: distinct; 0.5-2 m thick; >40% of area is till; <50% of area is rock ridges and knobs; and rubble; bedrock topography is evident; minor till blanket, minor colluvium, including talus, colluvial fans, soft-sediment loess, and undifferentiated valley-bottom deposits; minor washed-till boulder fields.

#### QUATERNARY AND PRE-QUATERNARY

##### BEDROCK AND ROCK WEATHERING PRODUCTS: intact and frost-riven outcrop; discontinuous cover of rubble, boulders, gravel, sand, and minor silt; glacially sorted to frost-riven or disaggregated outcrop; <40% till and boulder fields (including till from which their facies was weathered by glacial meltwater or a higher sea), and outcrops; very minor fluvial deposits, rock, or related marine nearshore and shoreline deposits. Topography variable from rolling to rough with some low-relief ridges and escarpments; vegetation continuous to absent; low Arctic to sub-Arctic; depending on substrate, exposure, and elevation. Subdivided by R1-R7 on the basis of resistance to weathering. West to east: units O1, Ps, Pc, APt, and Pg.

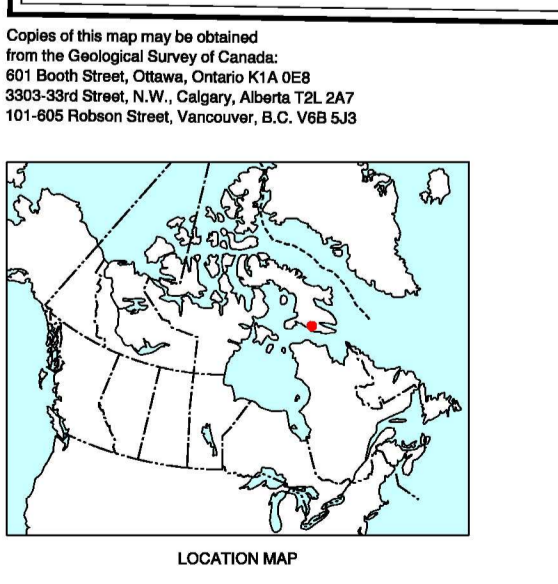
- O1** Ordovician limestone.
- Ps** Clastic mesoproterozoic rocks of Paleoproterozoic Sugluk and Lake Harbour groups and Blandford Bay assemblage.
- Pc** Metite of Paleoproterozoic Lake Harbour Group.
- APt** Tonolite-monzogranite orthogneiss of Archean Superior Province and of Paleoproterozoic Narsajuarq and Ramsey River.
- Pg** Monzogranite of Paleoproterozoic Cumberland batholith.

#### SURFICIAL MATERIALS CONTACT

- Cirque
- Ice-moulded rock
- Station (see note, unknown)
- Till line/streamline/moraine
- Drumlin
- Esker
- Interlobate moraine
- End and/or lateral moraine
- Assumed ice margin (headwall/icecessional); thick till on proximal side
- Subaqueous push moraine (De Geer moraine)
- Subglacial or proglacial meltwater outlet (flow direction known, unknown)
- Lateral (sidehill) meltwater channel; barb cusps
- Perched delta; marine or glaciofluvial
- Glacial lake shoreline
- Limit of marine inundation, observed
- Limit of marine inundation, interpolated where data permit
- Beach ridges, prominent
- Soft-sediment terrace
- River king
- Elevation (m): w = washing limit, d = delta top, b = beach
- °C date location (see Table 1)
- Ground observation
- Till sample

#### REFERENCE

St-Onge, M.R., Scott, D.J., and Wedekin, N. 1999. Geology of Blandford Bay, Nunavut. Geological Survey of Canada, Map 1985A, scale 1:500 000.



Geology by D.A. Hodgson, 1999-1997, 1999  
 Digital map compilation by D.A. Hodgson, 1997-2002  
 Digital cartography by E. Everett, Earth Sciences Sector Information Division (ESS Info)  
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MAP 2046A  
**SURFICIAL GEOLOGY**  
**BLANDFORD BAY**  
 BAFFIN ISLAND  
 NUNAVUT

Scale 1:100 000/Echelle 1/100 000

Universal Transverse Mercator Projection  
 North American Datum 1987  
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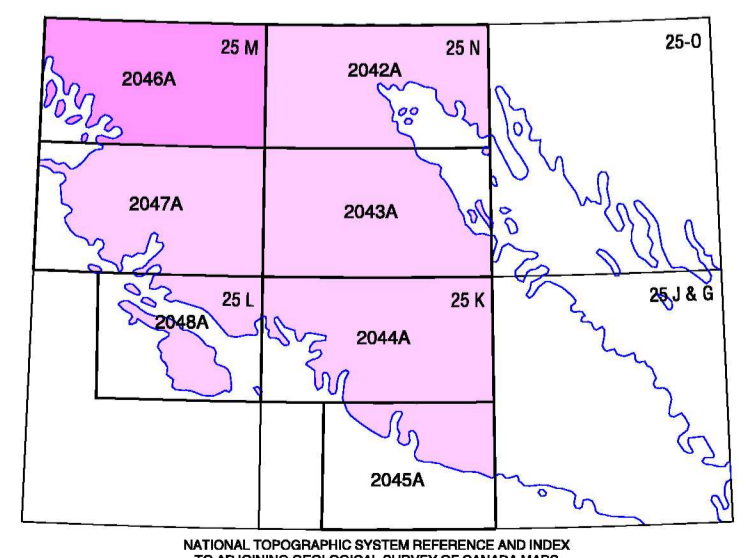
Projection Transverse Universelle de Mercator  
 Système de coordonnées géographiques nord-américain, 1987  
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Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada.

Digital base map from data compiled by Geomatics Canada, modified by ESS Info

Mean magnetic declination 2000, 33°35' W, decreasing 24.1' annually. Readings vary from 32°46' W in the SW corner to 34°16' W in the NE corner of the map.

Elevations in metres above mean sea level



Recommended citation:  
 Hodgson, D.A. 2003. Surficial geology, Blandford Bay, Baffin Island, Nunavut. Geological Survey of Canada, Map 2046A, scale 1:100 000.