

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
FLUVIAL DEPOSITS (proglacial alluvial floodplains, terraces, fans, and delta topsets): gravel, sand, cobbles, minor silt, and musk; 1-10 m thick; deposited in braided channels.
MARINE DEPOSITS: sediments deposited during postglacial regression of a high sea level.
Marine veneer: sand, silt, and gravel; 0.5-2 m thick; discontinuous cover of littoral and offshore sediment including beach ridges and sea-ice-rifted debris; micaceous surface of underlying silt or rock. Fine-grained sediment bears a continuous vegetation cover patterned with subparallel ribs.
GLACIAL MARINE DEPOSITS: sand, silt, gravel, and cobbles; 2-30 m thick; deposited in the high proglacial sea.
Glacial marine delta: sand, silt, cobbles, and gravel; 2-20 m thick; massive to crossbedded sediments that coarsen upwards in its contact deposits or at termination of outwash trains or meltwater channels.
Glacial marine blanket: sand, silt, minor gravel, and dropstones; 2-30 m thick; deposited from suspension and iceberg rafting; locally capped by Holocene marine regression sediments.
GLACIOFLUVIAL DEPOSITS: gravel and sand; 1-30 m thick; deposited by meltwater outlets, and in front of ice margins.
Glaciofluvial outwash: stratified gravel and sand; 1-30 m thick; proglacial floodplains, terraces, and fans; includes kame terraces, minor subglacial and subaqueous deposits, glacial lacustrine channelled deltas and fans, locally set into glacial marine spillover or meltwater channels.
Glaciofluvial ice-contact deposits (eskers and kames): poorly stratified to sorted gravel, sand, and cobbles; 5-20 m thick; forming ridges and hummocks.

- EARLY HOLOCENE AND WISCONSINAN
Till: clay-silt-sandstone silt sand, dominantly cobble- and boulder-size (gross and metamorphic) clasts; 0.5-2 m thick; deposited in subglacial and ice-marginal environments of local ice caps (Mela, Innisnashua, and of the Foxe Ice Dome (Anaktuvuk Ice Divide). Minor silt till deposited on Hudson Strait coast by Labrador (i.e. trans-strait) and central Laurentide (i.e. down-strait continental outlet) ice.
Hummocky till: distinction which may be underlain by remnant glacial ice; 1-20 m thick; rolling to hummocky; mainly in Frobisher Bay moraines.
Till blanket: distinction; 1-10 m thick; undulating plain with minor fluted, hummocky, ridged, ribbed, or channelled areas; soft-sediment lobes on steep slopes; thick and moraine; minor till veneer or glaciofluvial outwash; rare glaciofluvial lines.
Till veneer: distinction; 0.5-2 m thick; >40% of area is in rock ridges and knobs, and rubble; bedrock topography is evident; minor till blanket, minor colluvium, including talus, colluvial fans, soft-sediment lobes, and undifferentiated valley-bottom deposits; minor washed till boulder beds.

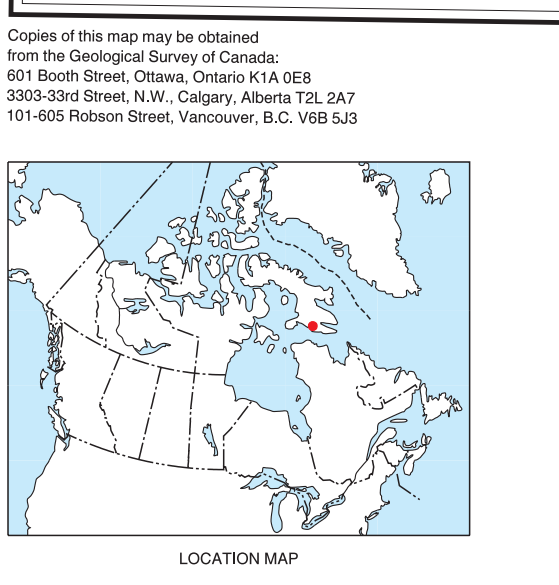
- QUATERNARY AND PRE-QUATERNARY
BEDROCK AND ROCK WEATHERING PRODUCTS: intact and frost-worn outcrop; discontinuous cover of rubble, boulders, gravel, sand, and minor silt; glacially scoured to frost-riveted or disaggregated outcrop; <40% of area is in rock ridges and knobs, and rubble; bedrock topography is evident; minor till blanket, minor colluvium, including talus, colluvial fans, soft-sediment lobes, and undifferentiated valley-bottom deposits; minor washed till boulder beds.

- Ol Ordovician limestone.
Ps Classic Mesozoic rocks of Paleoproterozoic Sukluk and Lake Harbour groups and Standard Bay assemblage.
Pc Mafic of Paleoproterozoic Lake Harbour Group.
APt Tonale-monzonitic orthogneiss of Archean Superior Province and of Paleoproterozoic Nauyasag and Bamsey River.
Pg Monzogranite of Paleoproterozoic Cumberland batholith.

- Surficial materials contact
Cirque
Ice-moulded rock
Striation (sense known, unknown)
Till lineation/streamline/scar
Drumlin
Esker
Interlobate moraine
End and/or lateral moraine
Assumed ice margin (readvance/retrocession); thick fill on proximal side
Subglacial or proglacial meltwater outlet (flow direction known, unknown)
Lateral (subglacial) meltwater channel; barb cusps
Perched deltas; marine or glaciofluvial
Glacial lake shoreline
Limit of marine inundation, observed
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

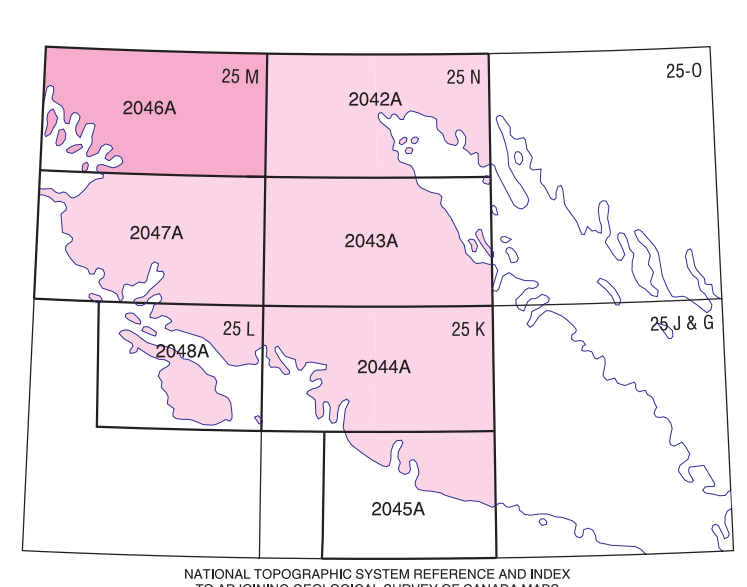
REFERENCE

St-Onge, M.R., Scott, D.J., and Wedekin, N. 1999. Geology Blandford Bay, Nunavut. Geological Survey of Canada, Map 2046A, scale 1:100 000.



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Geology by D.A. Hodgson, 1995-1997, 1999
Digital map compilation by D.A. Hodgson, 1997-2002
Digital cartography by E. Everett, Earth Sciences Sector Information Division (ESS info)

MAP 2046A SURFICIAL GEOLOGY BLANDFORD BAY BAFFIN ISLAND NUNAVUT
Scale 1:100 000/Echelle 1/100 000
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 2003, 33°35' W, decreasing 24.3' annually. Readings vary from 24°46' W in the SW corner to 24°19' W in the NE corner of the map.
Elevations in metres above mean sea level.



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