

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**
- FPR** FLUVIAL DEPOSITS (nonglacial alluvial floodplain, terrace, fan, and delta deposits): gravel, sand, boulders, minor silt, and mud; 1–10 m thick; deposited in drainages.
 - Mv** Marine veneer: 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 covers a continuous vegetation cover patterned with subparallel ribs.
 - Gmd** GLACIAL MARINE DEPOSITS: sand, silt, gravel, and boulders; 2–30 m thick; deposited in the high proglacial sea.
 - Gmb** Glacial marine delta: sand, silt, boulders, and gravel; 2–30 m thick; massive to crossbedded sediments that coarsen upwards in sea-ice-related deposits or at termination of outwash trains or meltwater channels.
 - GmD** Glacial marine blanket: sand, silt, minor gravel, and drapings; 2–30 m thick; deposited from suspension and lobbing rafting; locally capped by Holocene marine regression sediments.
 - GFpt** GLACIOFLUVIAL DEPOSITS: gravel and sand; 1–30 m thick; deposited by meltwater behind, at, 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: diamiction which may be underlain by remnant glacial ice; 1–20 m thick; rolling to hummocky; mainly in Frobisher Bay moraines.
 - Tb** Till blanket: diamiction; 1–10 m thick; undulating plain with minor ridges, hummocky, ridges, ribbed, or channelized facies; contains clasts on steeper slopes; thin and moraine-like; minor till veneer or glaciofluvial outwash; rare glaciolacustrine fines.
 - Tv** Till veneer: diamiction; 0.5–2 m thick; >40% of area is silt; <60% of area is rock ridges and knobs, and rubble; bedrock topography is evident; minor till blanket, minor collation, including talus, colluvial fans, suffusion lobes, and undifferentiated valley-bottom deposits; minor washed-silt boulder fields.
- QUATERNARY AND PRE-QUATERNARY**
- BEDROCK AND ROCK WEATHERING PRODUCTS:** intact and frost-riven outcrops; discontinuous cover of rubble, boulders, gravel, sand, and minor silt; glacially scoured to frost-riven or disaggregated outcrop; <40% till and boulder fields (including all from which fine fraction was washed by glacial meltwater or a high sea level); and colluvium; very minor fluvial deposits, mud, or raised marine nearshore and shoreline deposits. Topography variable from rolling to rough with some major and numerous minor ridges and scarps. Vegetation continuous to absent; low Arctic to mid-Arctic, depending on substrate, exposure, and elevation. Subdivided by M.R. St-Onge by resistance to weathering; least to most: units O1, Ps, Pc, APt, and Pg.
- O1** Ordovician limestone.
 - Ps** Clastic, metasedimentary rocks of Paleoproterozoic Supguk and Lake Harbour groups and Bafford Bay assemblage.
 - Pc** Marble of Paleoproterozoic Lake Harbour Group.
 - APt** Tonalite-monzogranite orthogneiss of Archean Superior Province and of Paleoproterozoic Narsajuaq and Rensay River.
 - Pg** Monzogranite of Paleoproterozoic Cumberland batholith.

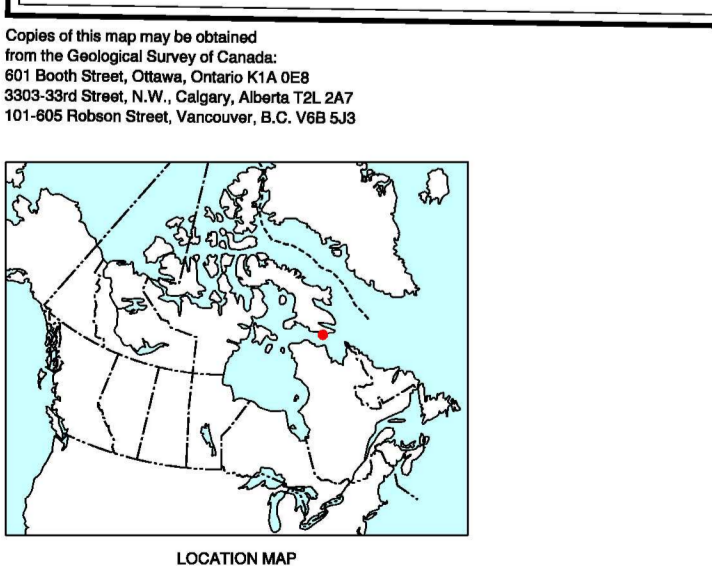
- Surficial materials contact
- Clique
 - Ice-moulded rock
 - Station (sense known, unknown)
 - Till line(s)/streamline/linear
 - Drumlin
 - Esker
 - Interbedded moraine
 - End and/or lateral moraine
 - Assumed ice margin (retranco/recessional); thick till on proximal side
 - Subaqueous push moraine (De Geer moraine)
 - Subglacial or proglacial meltwater outlet (flow direction known, unknown)
 - Lateral (skid) meltwater channel; barb upstage
 - Perched delta, marine or glaciolacustrine
 - Glacial lake shoreline
 - Limit of marine inundation, observed
 - Limit of marine inundation, interpolated where data permit
 - Beach ridges, prominent
 - Suffusion 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 Wodicka, N.
1999. Geology, Crooks Inlet, Nunavut. Geological Survey of Canada, Map 1984A, scale 1:100 000.

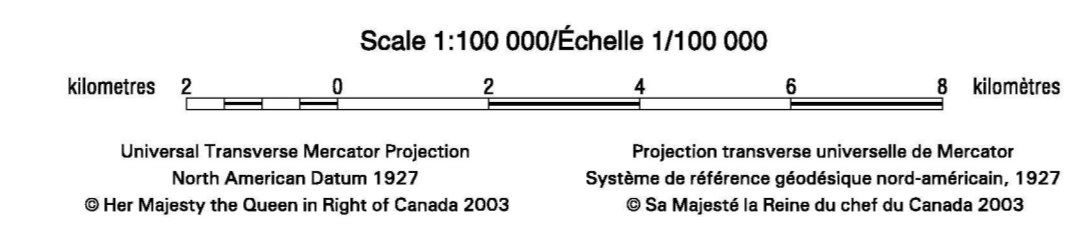
Map no.	Age ¹	Lab. Identification	Elev. (m)	Material
1	7730 ± 55	AS-12010	63	Mudstone

Table 1. Summary of radiocarbon dates. ¹For nonmarine material, the normalized age (machine age corrected to a δ¹³C = -25‰) is given where available, otherwise the uncorrected age is given. For marine organisms, where the isotopic ratio is known the age is corrected following δ¹³C correction to a δ¹³C = 0‰, which is equivalent to subtracting a marine reservoir effect of 400 years from a normalized age; otherwise the uncorrected age (which incorporates the marine reservoir effect) is given.



MAP 2047A
SURFICIAL GEOLOGY
CROOKS INLET
BAFFIN ISLAND
NUNAVUT

Geology by D.A. Hodgson, 1996–1997, 1999
Digital map compilation by D.A. Hodgson, 1997–2002
Digital cartography by E. Everett, Earth Sciences Sector Information Division (ESS Info)
This map was produced from processes that conform to the ESS Info Publishing Services Subdivision Quality Management System, Ottawa, registered to the ISO 9001:2000 standard



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, 32°52' W, decreasing 23.3' annually. Readings vary from 32°06' W in the SW corner to 33°33' W in the NE corner of the map.
Elevations in metres above mean sea level

