



LEGEND

CEANOZOIC (Hodgson, 1993)

HOLOCENE

- He EOLIAN DEPOSITS: sand and silt sand, mainly reworked glaciolacustrine deposits

PLEISTOCENE

- Pw GLACIOMARINE DEPOSITS: alluvial fan deposits to thinly laminated deposits with scattered drapes; commonly gullied; deposited adjacent to major glacial meltwater outlets; 1 to 20 m thick
- P1 GLACIOLACUSTRINE DEPOSITS: alluvial fan deposits; deposited in proglacial basins; 1 to 20 m thick
- Pf GLACIOLACUSTRINE DEPOSITS: fan deposits; deposited in proglacial basins; 1 to 20 m thick
- P3 Heavy Bay melange: alluvial fan deposits; deposited in proglacial basins; 1 to 20 m thick
- P2 Victoria Island: alluvial fan deposits; deposited in proglacial basins; 1 to 20 m thick

NEOPROTEROZOIC

725-612 Ma (U-Pb zircon dates; Heaman et al., 1992)

- Nfg Franklin Group: coarse-grained to fine-grained sandstone, siltstone, shale, and claystone; deposited in a tectonically active environment; 1 to 20 m thick

SHALER SUPERGROUP (Rabêdo et al., 1994)

Reynolds Peak Group

- Nb Basal Unit Formation: cyclically alternating sandstone, siltstone, and shale; deposited in a tectonically active environment; 1 to 20 m thick
- Ngb Grey Bay Formation: basal sandstone unit, which contains silty sandstone; deposited in a tectonically active environment; 1 to 20 m thick

Roan Group

- Na Alluvial fan deposits: deposited in a tectonically active environment; 1 to 20 m thick
- Nnh Nelson Head Formation: basal sandstone unit, which contains silty sandstone; deposited in a tectonically active environment; 1 to 20 m thick
- Nm Middle Island Formation: basal sandstone unit, which contains silty sandstone; deposited in a tectonically active environment; 1 to 20 m thick
- Nh3 Essex Rapids Formation: basal sandstone unit, which contains silty sandstone; deposited in a tectonically active environment; 1 to 20 m thick

Geological boundary (dotted approximation)

Strike slip

Fault trace (dotted, inferred; solid circle indicates downthrown side)

Lineament (from air photograph)

Accretionary surface trace

Synclinal axial surface trace

Measured stratigraphic section (referenced)

Geographic section to the

Bedding orientation with dip

Ditch or structural ridge

Ditch

Structural section

Structural showing

REFERENCES

Rabêdo, R.H., Hodgson, D.A., and Jefferson, C.W. 1994. Bedrock and surficial geology of Muskox Lake, Victoria Island, Northwest Territories; NTS 7802. Geological Survey of Canada, Open File 2020, scale 1:50 000.

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Jefferson, C.W., Heaman, R.L., Rabêdo, R.H., and Worth, J.K. 1994. Mineral Resource Assessment of the Central Franklin Group, District of Franklin, Northwest Territories. Geological Survey of Canada, Open File 2788, 48 p.

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Scale of this map 1:50 000
 Note: The map is not to be used for navigation purposes.

LOCATION MAP

Bedrock geology compilation by R.H. Rabêdo and C.W. Jefferson.
 Surficial geology compilation by R.H. Rabêdo.
 Additional mapping by W. Duth, R. Lacharrette, and M. Worth.
 Logistical support provided by Peter Gaudin, District Project, Northwest Territories Co. Ltd. and their operators.

Digital cartography by Louis P. Rabêdo, Geological Survey of Canada.

Electronic plot produced by the Geological Survey of Canada.

Any revisions or additional information known to the user would be welcomed by the Geological Survey of Canada.

OPEN FILE 3035
BEDROCK AND SURFICIAL GEOLOGY
MUSKOX LAKE
 DISTRICT OF FRANKLIN
 NORTHWEST TERRITORIES

Digital base map from Survey, Mapping and Remote Sensing Branch published at 1:250 000 scale. Generated and modified by the Geological Survey of Canada.

Copies of the cartographic edition of this map may be obtained from the Canada Map Office, Department of Natural Resources Canada, Ottawa, Ontario, K1A 0G9.

The proximity of the North Magnetic Pole causes the magnetic compass to be erratic in this area.
 Mean magnetic declination 1985, 27°42' E, increasing 41.5 arc-min annually.
 Readings vary from 30°00' E in the SE corner to 30°32' E in the NW corner of the map.

Elevations in feet above mean sea level.

Transverse Mercator Projection
 UTM 18N UTM, Scale Factor 1
 © Data by the Geomatics Service

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Elevations in feet above mean sea level.

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78 800	78 801	78 802
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NOTE: Neighboring maps reference are used to access electronic copies of maps.

CANADA-NWT MINERAL INITIATIVES 1991-1996

Canada CANADA-NWT ECONOMIC DEVELOPMENT AGREEMENT

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