

Note: This legend is common for National Geochemical Reconnaissance Map 37-1978, Open File 557; Map 38-1978, Open File 558; Map 39-1978, Open File 559; Map 40-1978, Open File 560.

SEDIMENTARY, VOLCANIC AND METAMORPHIC ROCKS

- TRIASSIC
[26] (VCRK) Andesitic volcanics and shallow intrusives of the Mistatin Formation
- HADRYDIAN AND/OR NEOHELIXIAN
[25] (ARKS) Red conglomerate, arkose and siltstone

- GRENVILLE PROVINCE
APHEBIAN AND EARLIER (?)
[24] (GRNG) Metasedimentary granitoid gneisses, minor amphibolite, sillimanite gneiss, metaquartzite, marble
- SUPERIOR PROVINCE

- ARCHEAN
[23] (PXGL) Pyroxene granulite, unseparated acidic intrusives
- CHURCHILL PROVINCE

- HELIXIAN
NEOHELIXIAN
[22] (SMRK) Quartzite, conglomerate, arkose, shale-Shipikan Formation

- PALEOHELIXIAN
[21] (QRTZ) Quartzite, grit and conglomerate of Sims Formation

- APHEBIAN
[20] (BSLT) Basaltic flows and pyroclastics, quartzite, greywacke, slate, argillites, conglomerate, minor iron formation
[19] (SMRK) Grit, arkose, conglomerate, quartzite, greywacke, slate, acidic to basic volcanics, dolomite, limestone, chert breccia
[18] (SLTE) Ferruginous slate and iron formation

- APHEBIAN AND EARLIER (?)
[17] (GRNL) Granite, pyroxene gneiss, charnockite, minor granitic gneiss, mylonitic gneiss, amphibolite, ultrabasic intrusions
[16] (GRGS) Garnet-quartz-feldspar gneiss, chiefly mylonitized, locally graphitic
[15] (GRNG) Granitic gneiss, granodioritic gneiss, migmatite, agnaitite, amphibolite

- [14] (PRGS) Paragneiss; includes biotite-quartz-feldspar gneiss, garnet-biotite-quartz-feldspar gneiss, hornblende-gneiss, augen and graphitic gneiss
[13] (AMPB) Amphibolite, pyroxene amphibolite, chlorite schist, garnet- and biotite-rich gneisses
[12] (MSDM) Metasedimentary rocks, mainly quartzite and marble

- NAIN PROVINCE

- APHEBIAN
[11] (SLTE) Slate, argillite, siltstone, quartzite, greywacke, dolomite and basalt of LOWER CRÔTEAU GROUP

- ARCHEAN
[10] (SCST) Mafic schistose rocks, greenstone, metasedimentary rocks, amphibolite, minor ultrabasic intrusions
[9] (GRGD) Granitic and granodioritic gneiss, migmatite, granite and amphibolite

- INTRUSIVE ROCKS

- HELIXIAN
PALEOHELIXIAN
[8] (GRNT) Granite, quartz monzonite, granodiorite, quartz diorite, syenite
[7] (QZMZ) Adamellite suite: adamellite, monzonite, syenite, granodiorite, granite and their hypersthene-bearing equivalents forsunndite, monzodite, gabbroite and charnockite

- [6] (ANRS) Anorthosite suite: anorthosite, anorthositic gabbro, leucotroctolite
[5] (UMFC) Gabbro, norite, anorthositic gabbro, troctolite, diorite, derived basic gneiss and amphibolite

- PALEOHELIXIAN AND EARLIER (?)
[4] (GRDR) Granitic to granodiorite, massive to poorly foliated, with inclusions of granitic gneiss
[3] (GRNT) Granite, quartz monzonite, granodiorite, quartz diorite

- ARCHEAN
[2] (GBBR) Gabbro, metagabbro, glomerophyritic gabbro and diorite
[1] (PXGD) Massive to poorly foliated pyroxene-bearing granodiorite and syenodiorite.

A four letter mnemonic name recorded as rock type as part of field observations.

Geological boundary.....
Fault.....
Mainly acidic volcanic rocks.....
Mainly basic volcanic rocks.....
No analytical result.....

This legend was modified and the geology derived for this geochemical map from Geology Map of Labrador, Mineral Resources Division, Department of Mines, Agriculture and Resources, Province of Newfoundland and Labrador.

Geological Survey of Canada
Resource Geophysics and Geochemistry Division
and
Newfoundland Department of Mines and Energy

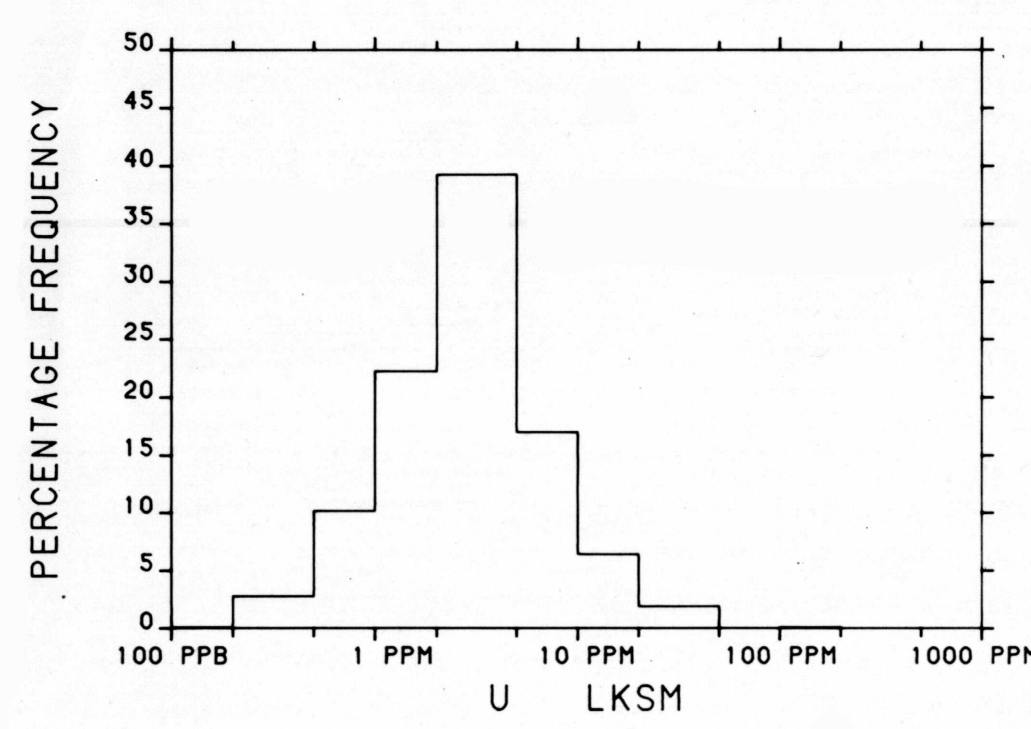
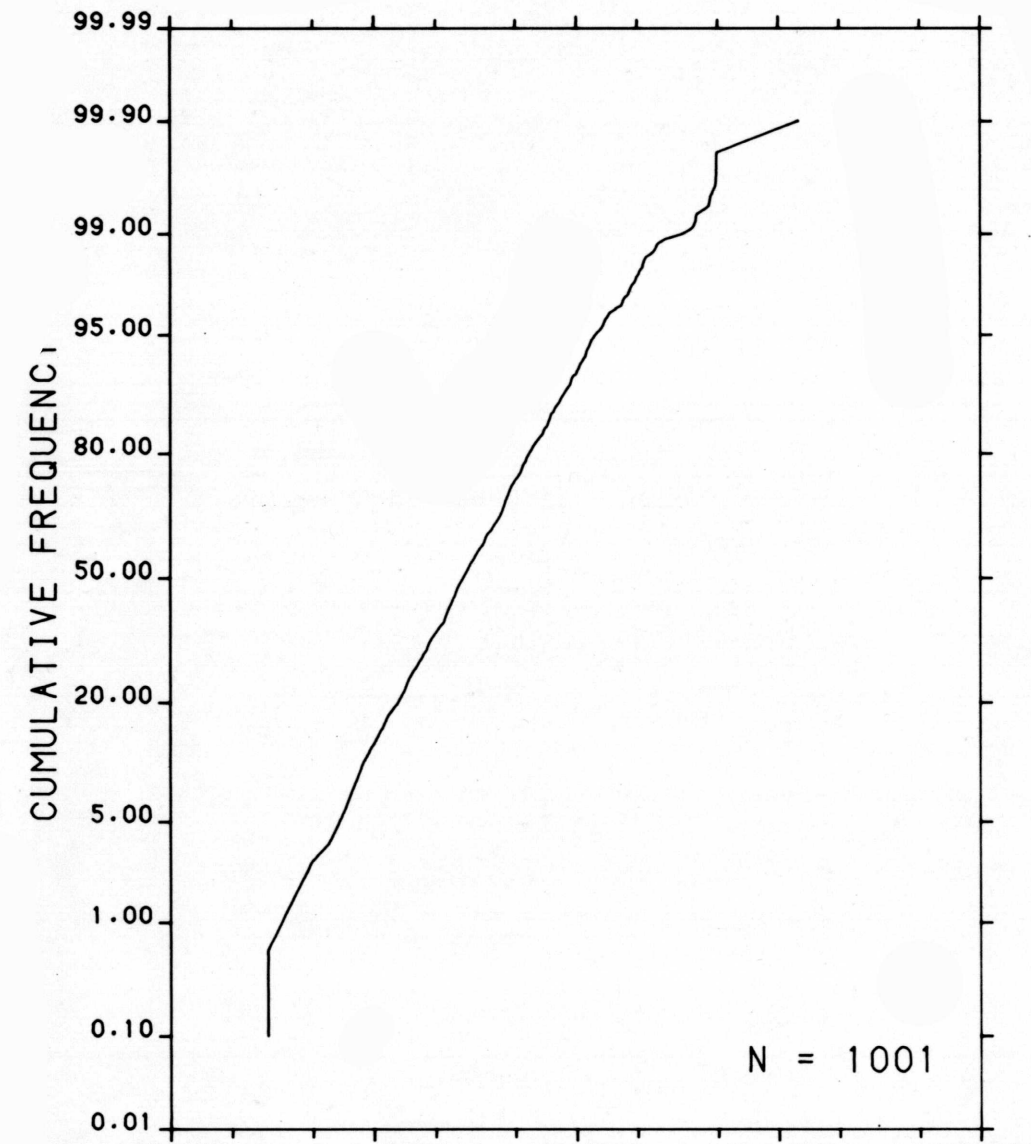
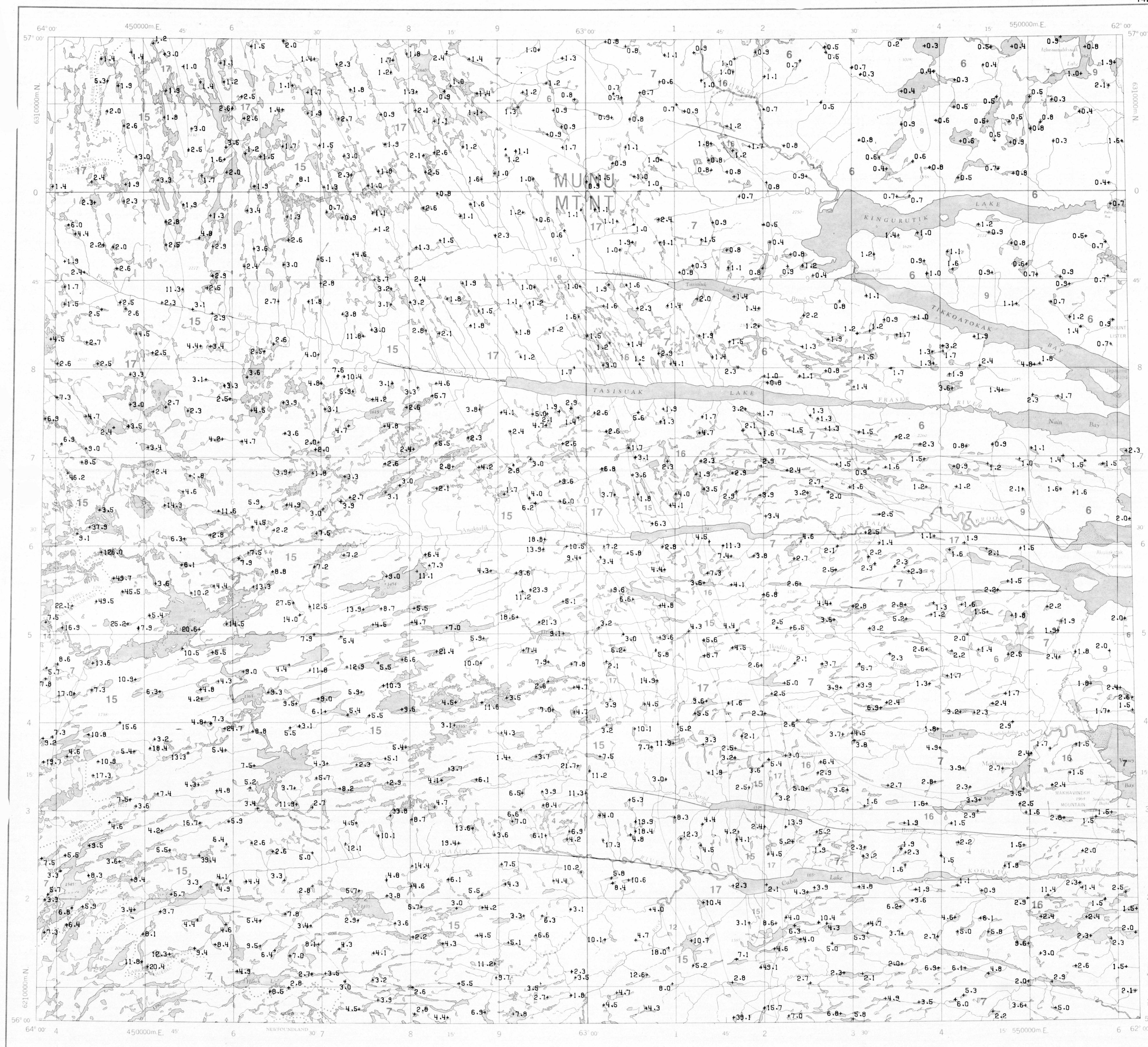
CONTRACTORS

Sample collection by Marshall Macklin Monaghan Ltd.
Sample preparation by Golder Associates.
Uranium in sediment chemical analyses by Atomic Energy of Canada Ltd.
Other sediment chemical analyses by Chemex Labs Ltd.
Water chemical analyses by Barringer Magenta Ltd.

This map forms one of a series of 68 maps released by the Geological Survey of Canada, Open Files 557, 558, 559 and 560. Each Open File consists of maps for 12 elements for lake sediments, 2 elements for lake water, and 1 each for sample site location, sediment loss on ignition and water pH.

URANIUM (ppm)
OPEN FILE 559

CENTRAL LABRADOR 1978

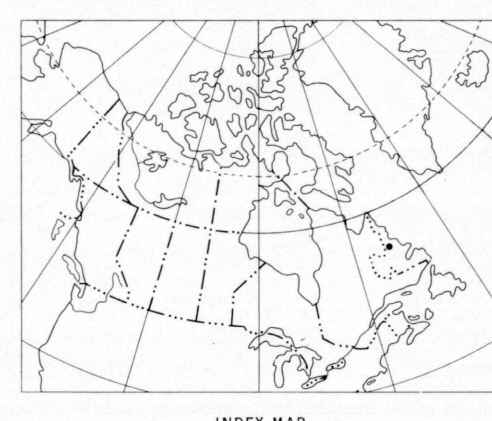


Copies of map material and listings of field observations and analytical data, from which the material was prepared, may be available at users expense by application to:

K.G. Campbell Corporation
800 Wellington St.,
Bay 238
Ottawa, Ontario
K1R 6K7

The data is also available in digital form. For further information please contact:

The Director
Computer Science Centre
Department of Energy, Mines and Resources
Ottawa, Ontario
K1A 0E4



Elevation in feet above mean sea level

Mean magnetic declination 1978, 32°53.7' West, decreasing 10.2' annually. Readings vary from 32°28.8' in the SE corner to 33°21.6' in the NW corner of the map

URANIUM (ppm)

OPEN FILE 559

NATIONAL GEOCHEMICAL RECONNAISSANCE MAP 39-1978

URANIUM RECONNAISSANCE PROGRAM
LAKE SEDIMENT AND WATER GEOCHEMICAL SURVEY
CENTRAL LABRADOR 1978

Scale 1:250,000

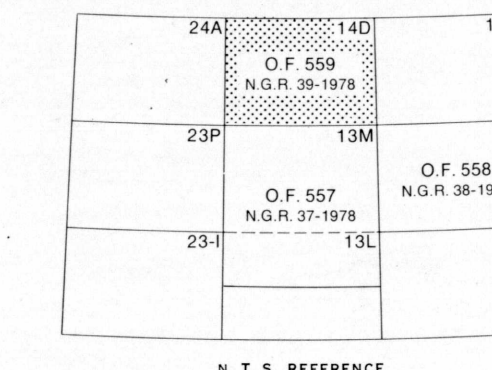
Kilometres 6 0 6 12 18 Kilometres

Miles 4 0 4 8 Miles

Universal Transverse Mercator Projection

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Base-map at the same scale published by the Mapping and Charting Establishment, Department of National Defence, 1968



GEOLOGICAL SURVEY OF CANADA
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