

SAMPLE LOCATION
OPEN FILE 559
CENTRAL LABRADOR 1978

LEGEND

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

TRIASIC
 26 (VCRK) Andesitic volcanics and shallow intrusives of the Mistastin Formation

HADRYDIAN AND/OR NEOHELIXIAN
 25 (ARCS) 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 (PXL) Pyroxene granulite, unseparated acidic intrusives

CHURCHILL PROVINCE

HELIXIAN
 22 (SMRK) Quartzite, conglomerate, arkose, shale-Shipiskan 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 (SMBK) 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) Granulite, pyroxene gneiss, charnockite, minor granitic gneiss, mylonitic gneiss, amphibolite, ultrabasic intrusions

16 (GSSS) Garnet-quartz-feldspar gneiss, chiefly mylonitized, locally graphitic

15 (GRNG) Granitic gneiss, granodioritic gneiss, migmatite, agmatite, 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

MAIN PROVINCE

11 (SLTE) Slate, argillite, siltstone, quartzite, greywacke, dolomite and basalt of LOWER CROTEAU GROUP

ARCHEAN
 10 (SST) Mafic schistose rocks, greenstone, metasedimentary rocks, amphibolite, minor ultrabasic intrusions

9 (GRGG) Granitic and granodiorite gneiss, migmatite, granulite and amphibolite

INTRUSIVE ROCKS

HELIXIAN
 8 (GRNT) Granite, quartz monzonite, granodiorite, quartz diorite, syenite

7 (QZMZ) Adameillite suite: adameillite, monzonite, syenite, granodiorite, granite and their hypersthene-bearing equivalents forssundite, mangerite, opadilite and charnockite

6 (ANRS) Anorthosite suite: anorthosite, anorthositic gabbro, leucotroctolite

5 (UFCC) Gabbro, norite, anorthositic gabbro, troctolite, diorite, derived basic gneiss and amphibolite

PALEOHELIXIAN AND EARLIER (?)
 4 (GRGG) Granitic to granodiorite, massive to poorly foliated, with inclusions of granitic gneiss

3 (GRNT) Granite, quartz monzonite, granodiorite, quartz diorite

2 (GBBR) Gabbro, metagabbro, glomerophyritic gabbro and diorite

ARCHEAN
 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

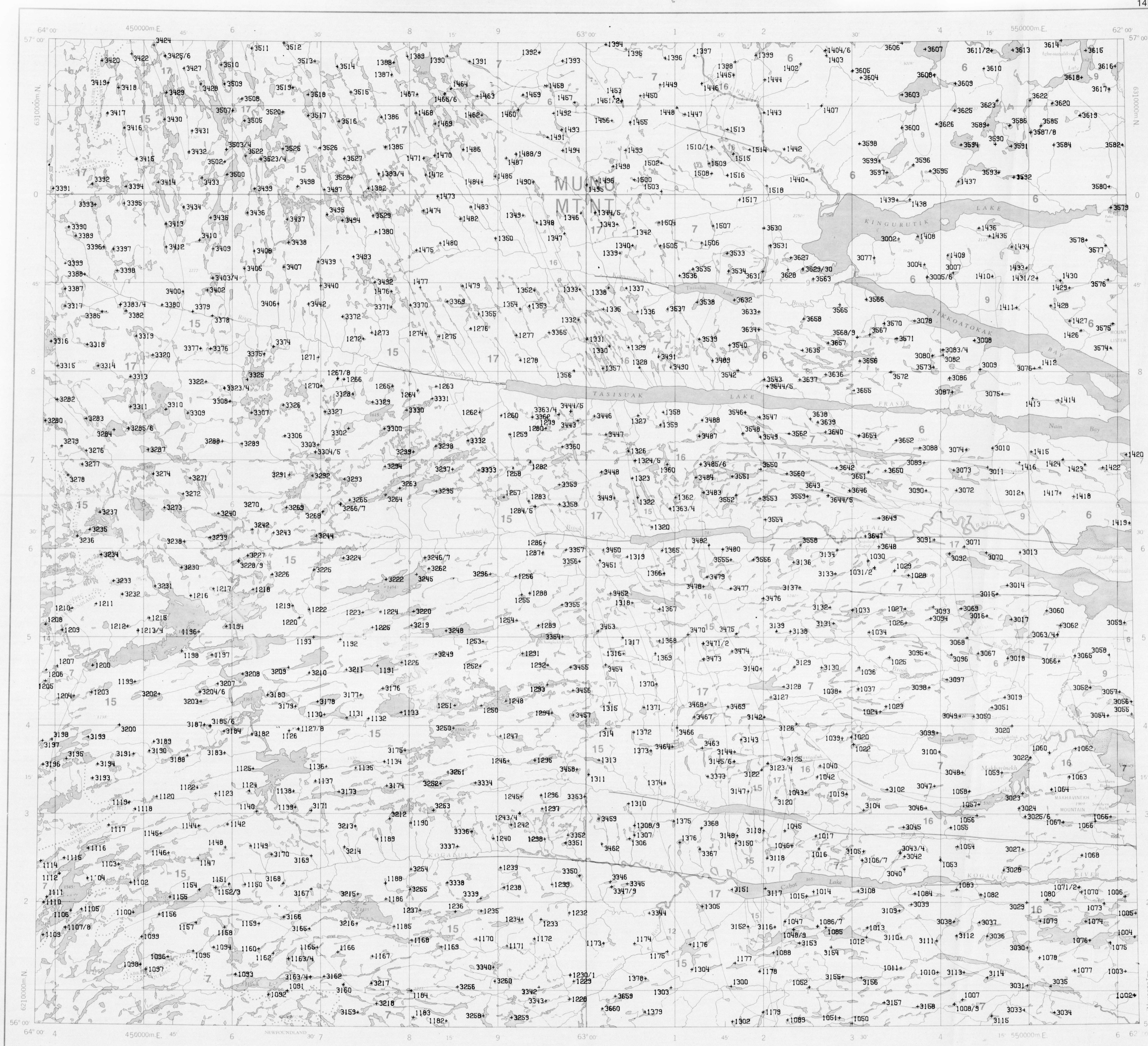
CONTRACTORS
 Sample collection by Marshall Macklin Monaghan Ltd.
 Sample preparation by Golder Associates.
 Uranium in sediment chemical analyses by Atomic Energy of Canada Ltd.
 Other sediment chemical analyses by Chemex Labs Ltd.
 Water chemical analyses by Barringer Magenta Ltd.

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.

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Canada
 Department of Energy, Mines and Resources
 Geological Survey of Canada

Province of Newfoundland
 Newfoundland Department of Mines and Energy



SAMPLE LOCATION
OPEN FILE 559

NATIONAL GEOCHEMICAL RECONNAISSANCE MAP 39-1978

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

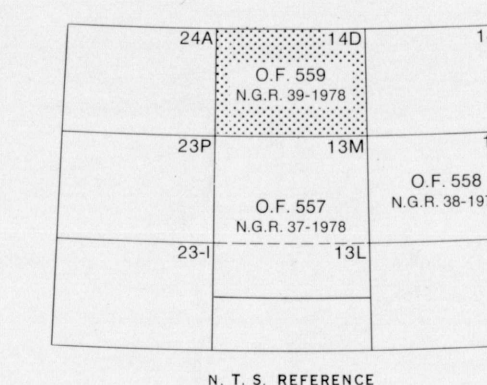
Scale 1:250,000

Kilometres 0 6 12 18 Kilometres

Miles 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



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GEOLOGICAL SURVEY OF CANADA
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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
 880 Wellington St.,
 Bay 238
 Ottawa, Ontario
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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
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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