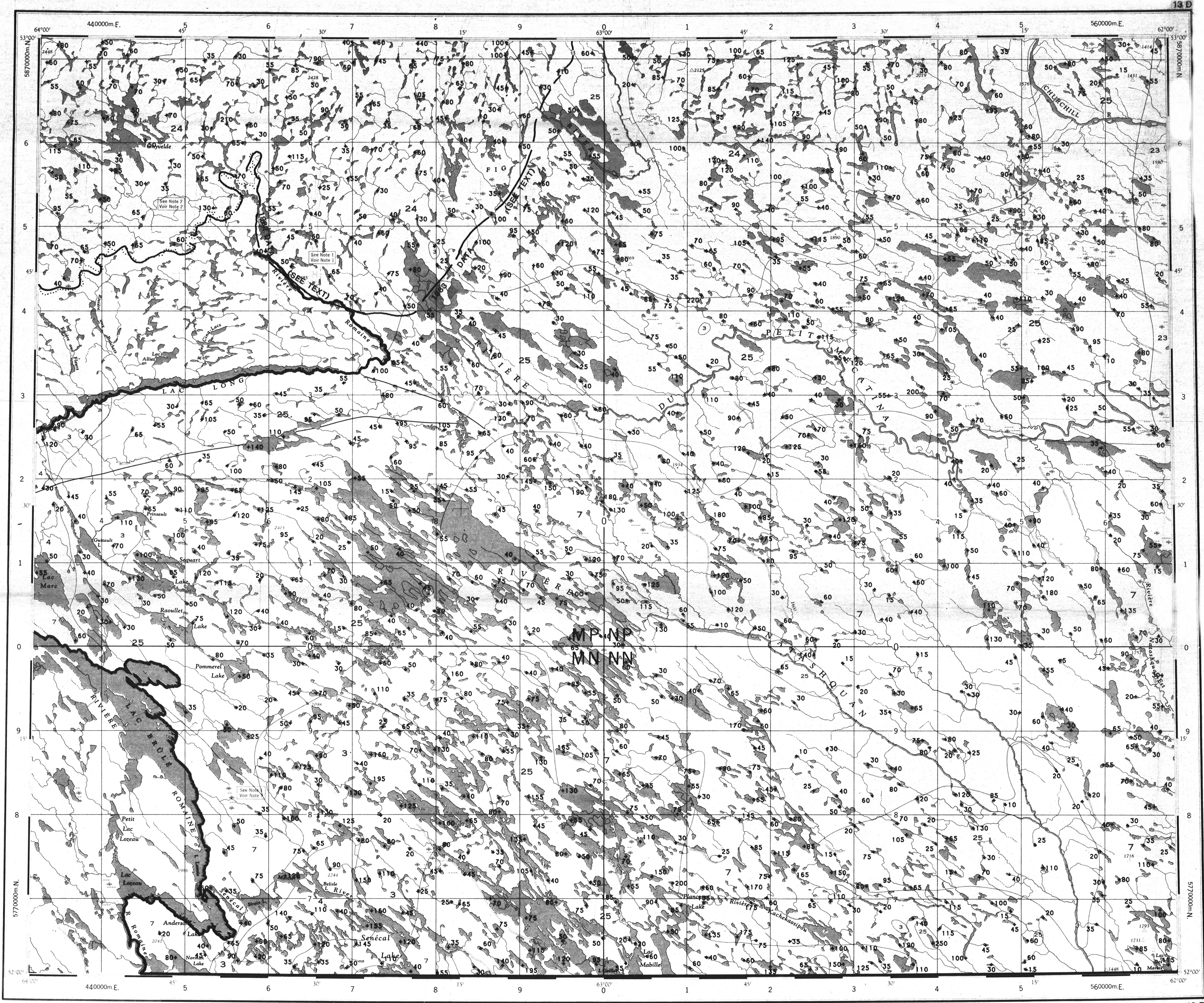
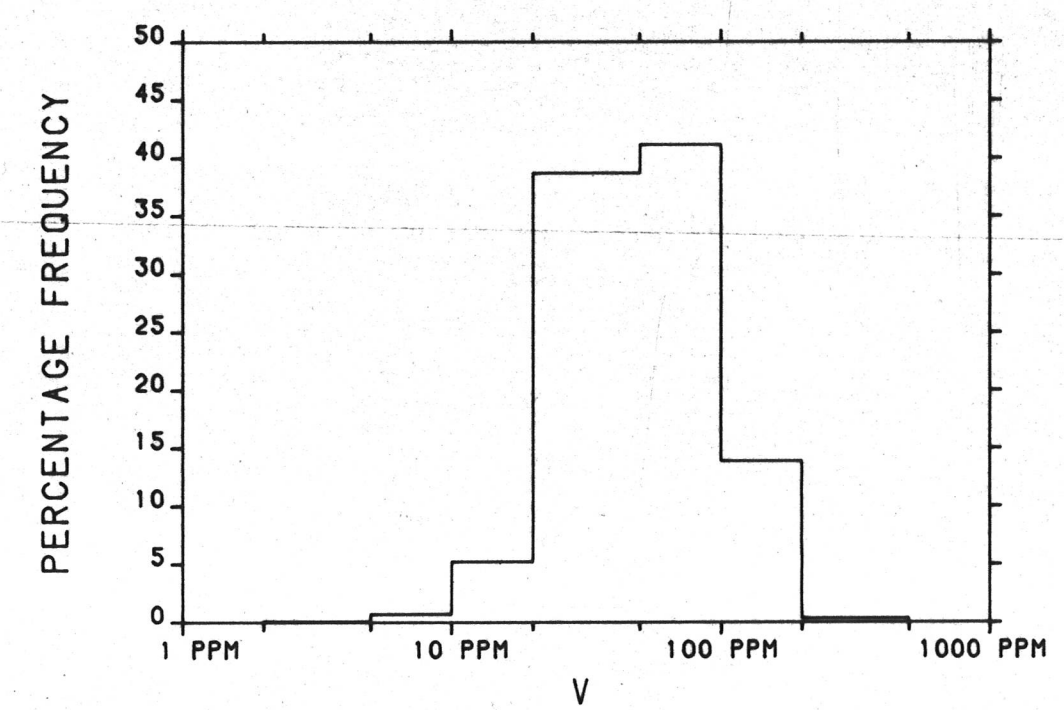
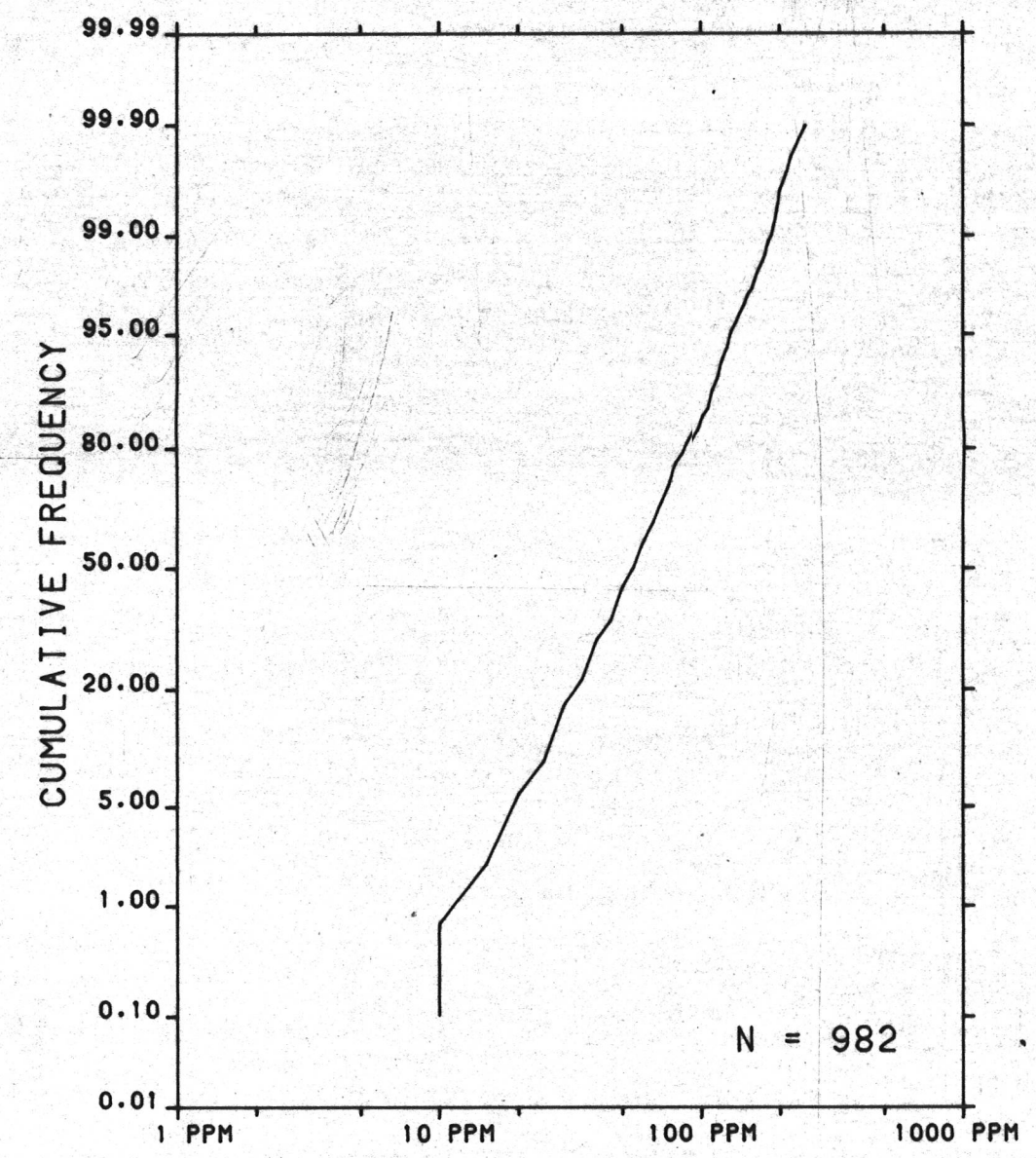


Note: This legend is common for Regional Geochemical Reconnaissance Map 60-1983, Open File 995; 61-1983, Open File 996; 62-1983, Open File 997; 63-1983, Open File 998.



LEGEND

SEDIMENTARY, VOLCANIC AND METAMORPHIC ROCKS

HADRYNIAN

- 28 HDEE* Red conglomerate, arkose, sandstone and shale: DOUBLE HER FORMATION

GRENVILLE PROVINCE

HELIXIAN AND/OR APHEBIAN

- 27 HAGS, VHAG Metaquartzite, schistose grit and conglomerate, sheared felsic porphyry ...
- 26 HAGP Mainly garnetiferous biotite-quartz-feldspar paragneiss ...

HELIXIAN AND EARLIER(?)

- 25 HUGP Paragneisses, granitoid gneisses of probable sedimentary origin, minor quartzite and marble ...
- 24 HUGN Sillimanite gneiss, commonly migmatitic, minor amphibolite
- 23 HUGG Granitic gneiss, mainly pink quartz-feldspathic gneisses, commonly banded and migmatitic ...
- 22 HUGB Intermediate to basic gneiss, amphibolite

ARCHEAN

- 21 ARGC Granitic gneiss, amphibolite, unseparated massive acidic intrusives

CHURCHILL PROVINCE

HELIXIAN

NEOHELIXIAN

- 20 NHWS, VNHK, NHNK, (SMRK)** Quartzite, conglomerate, arkose, shale ... NHMS - unseparated BESSIE LAKE ... FORMATION; NHNK - SHIPTSKAN FORMATION (possibly younger)

PALEOHELIXIAN

- 19 UPHW Quartzite, grit conglomerate, acidic volcanics ... LETITIA GROUP
- 18 PHAW, PAMP Greywacke, quartzite, arkose, slate, ... PAMP - PETSCAPISKAN GROUP

APHEBIAN AND EARLIER(?)

- 17 AUMR, (GRNL) Granulite, pyroxene gneiss, charnockite, minor granitic gneiss ...
- 16 AUMP, (PRGS) Paragneisses; includes biotite-quartz-feldspar gneiss, garnet-biotite-quartz-feldspar gneiss ...

NAIN PROVINCE

PALEOHELIXIAN

- 15 PHLE, UPHF Intermediate to acidic volcanics (mainly prophyritic flows), feldspathic quartzite ...

APHEBIAN

- 14 APE3 Conglomerate, quartzite, slate, siliceous dolomite, chert and arkose of MIDDLE CROTEAU GROUP
- 13 APE2, VAE2 Felspathic quartzite, conglomerate, argillite, basic volcanic rocks, and metamorphic equivalents of AILLIK GROUP
- 12 APE1, VAE1, (SLTE) Slate, argillite, siltstone, quartzite, greywacke, dolomite and basalt of LOWER CROTEAU GROUP

ARCHEAN

- 11 AREV, (SCST) Mafic schistose rocks, greenstone, metasedimentary rocks, amphibolite, minor ultra-basic intrusives
- 10 AREG Granitic and granodioritic gneiss, migmatite, granulite, amphibolite ...

INTRUSIVE ROCKS

HELIXIAN

NEOHELIXIAN

- 9 NH17 Diabasic olivine gabbro, intermediate and ultramafic intrusive rocks ...

NEOHELIXIAN AND EARLIER(?)

- 8 NH16 Gabbro, norite, and diabase sills
- 7 NH15 Granite to granodiorite, massive to poorly foliated, porphyritic in part ...

PALEOHELIXIAN

- 6 PH14, (GRNT) Granite, quartz monzonite, granodiorite, quartz diorite, syenite ...
- 5 PH13, (QZMZ) Adamillite suite: adamillite, monzonite, syenite, granodiorite, granite ...
- 4 PH11, (ANRS) Anorthositic suite: anorthosite, anorthositic gabbro, leucroctolite ...
- 3 PH10, (UMFC) Gabbro, norite, anorthositic gabbro, troctolite, diorite ...

APHEBIAN

- 2 APH7, (GRNT) Granite, quartz monzonite, granodiorite, quartz diorite ...
- 1 APH5 Well foliated feldspar-quartz-hornblende-biotite granitic gneiss ...

* A four letter mnemonic name recorded as rock type as part of 1982 and 1983 field observations

** A four letter mnemonic name recorded as rock type as part of 1978 field observations.

Geological boundary.....

Fault.....

Mainly acidic volcanic rocks.....

Mainly basic volcanic rocks.....

No analytical result

Government of Newfoundland and Labrador
 Newfoundland Department of Mines and Energy
 Provincial Open File 13D (24)

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

1978 samples
 Uranium in sediment analyses Atomic Energy of Canada Ltd.
 Other sediment chemical analyses by Chemex Labs Ltd.
 Water chemical analyses by Barringer Research Ltd.

1982, 1983 samples
 Sediment chemical analysis by Chemex Lab Ltd.
 Water chemical analyses by Acme Analytical Laboratories Ltd.

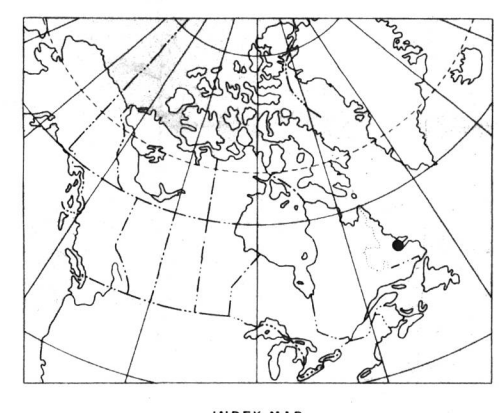
This map forms one of a series of maps released by the Geological Survey of Canada, Open Files 995 to 998. These Open File consists of maps of various geochemical variables: 16 for lake sediment, 3 for lake water and 1 sample site location

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:

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That data are also available in digital form. For further information please contact:

The Director
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 Department of Energy, Mines and Resources
 Ottawa, Ontario
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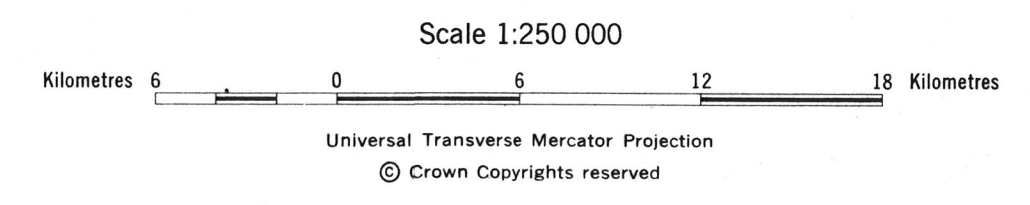


Elevation in feet above mean sea level

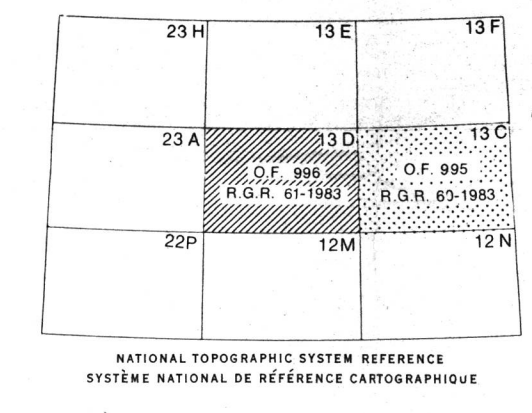
Mean magnetic declination 1984, 27°08.3' West, decreasing 11.5' annually. Readings vary from 27°00.6' in the SE corner to 27°17.0' in the NW corner of the map-area

VANADIUM (ppm)
 OPEN FILE 996
 REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 61-1983

CANADA - NEWFOUNDLAND
 CO-OPERATIVE MINERAL PROGRAM 1982-84
 LAKE SEDIMENT AND WATER GEOCHEMICAL SURVEY
 CENTRAL AND SOUTHERN LABRADOR, 1983



Base-map assembled by the Geological Cartography Unit from maps published at the same scale by the Surveys and Mapping Branch in 1967, 1968, 1972



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