

COPPER (ppm)
GSC OPEN FILE 999
LYNN LAKE AREA, MANITOBA
LEGEND

Note: This legend is common for Regional Geochemical Reconnaissance Map 64-1983, Open File 999

PROTEROZOIC (APHEBIAN)

- 31(AHIV) GRANITIC INTRUSIVE ROCKS, POST-SICKLE (HUDSONIAN) (AHIA to AHIF)
31a - leucotonalite + magnetite; 31b - megacrystic granite; 31c - granite, grano-diorite + hornblende; 31d - leucogranite, granodiorite; 31e - monzonite, syenite; 31f - pegmatite
- 30 GRANITIC INTRUSIVE ROCKS, POST-SICKLE and remobilized PRE-SICKLE
30 - granite, granodiorite (AHIG)
- 29 INTERMEDIATE INTRUSIVE ROCKS, POST-SICKLE and remobilized PRE-SICKLE
29 - tonalite, granodiorite, quartz diorite (AHIT), 29a - pyroxene tonalite (AHIP)
- 28 MAFIC INTRUSIVE ROCKS, POST-SICKLE
28 - gabbro, minor ultramafic rock (AHIR)
- 27 BLACK TROUT INTRUSIVE SUITE
27 - quartz diorite, diorite (ATIQ)

SICKLE GROUP

SICKLE METAMORPHIC SUITE

- 26 ARKOSIC METASEDIMENTARY ROCKS, DERIVED GNEISS
26a - conglomerate (ASAC)
26b - arkosic sandstone (ASAS)

SOUTHERN INDIAN GNEISS

26c - sandstone-derived gneiss, migmatite (ASAN)
conformable on Burntwood River M.S.

- 25 PRE-SICKLE INTRUSIVE ROCKS
25a - gabbro, norite, ultramafic rock (APIR)
25b - tonalite, granodiorite, diorite (APIT)
25c - granite (APIG)

WASEKWAN or SICKLE GROUP

GNEISSIC ROCKS OF PROBABLE WASEKWAN AGE

- 24 AMPHIBOLITE, CALC-SILICATE ROCK, METASEDIMENTARY ROCKS
24a - conglomerate, greywacke (AGMO); 24b - felsic gneiss (AGMF)
unconformable?

WASEKWAN GROUP

BURNTWOOD RIVER METAMORPHIC SUITE

- 23 METASEDIMENTARY ROCKS
23a - greywacke, conglomerate, mafic mudstone (AWSW)
23b - greywacke-derived gneiss, migmatite (ABSW)
conformable (ABMN)

23a - amphibolite, tuff (AIMA)
conformable
23c - greywacke-derived gneiss and migmatite (AISW)

- 22(AWVI) FELSIC, INTERMEDIATE VOLCANICS
22a - dacite, rhyolite (AWVD)
22(AWVM) MAFIC, INTERMEDIATE VOLCANICS
22a - basalt, andesite (AWVA)
22b - basalt (AWVB)

* A four letter mnemonic name recorded as rock type as part of field observations
Geological boundary.....
Fault.....
No analytical result..... *

Provisional Compilation Map: Geology of the Granville Lake Area NTS 64C, by H.V. Zwanig, Manitoba Dept. of Energy and Mines

Geological Survey of Canada
Resource Geophysics and Geochemistry Division

Manitoba Department of Energy and Mines
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CONTRACTORS

Sample collection by Wollx Exploration
Sample preparation by Golder Associates

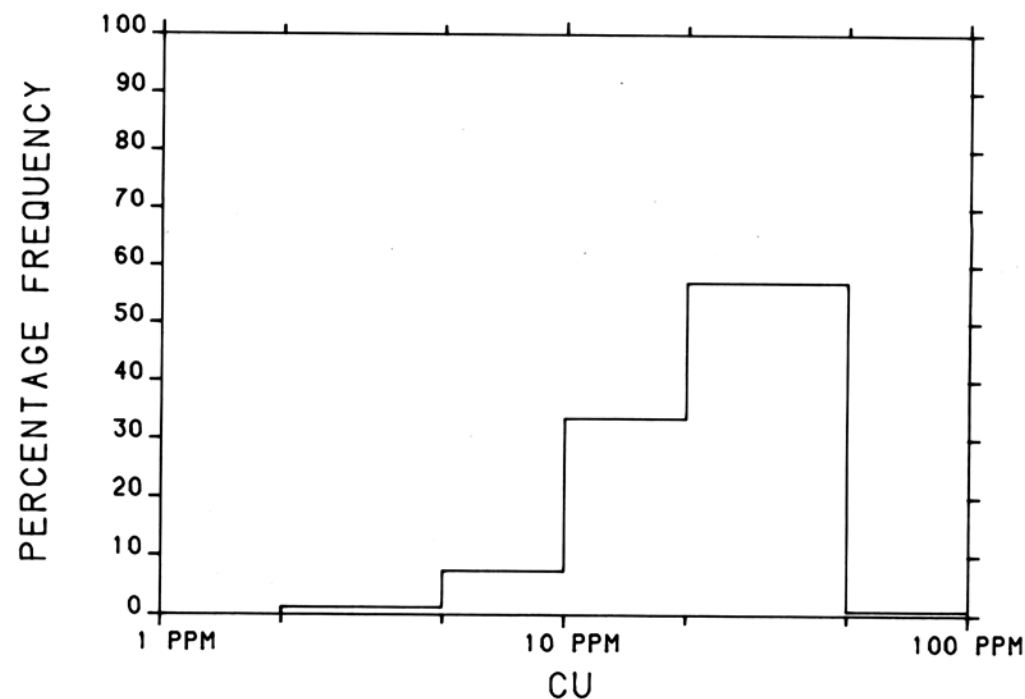
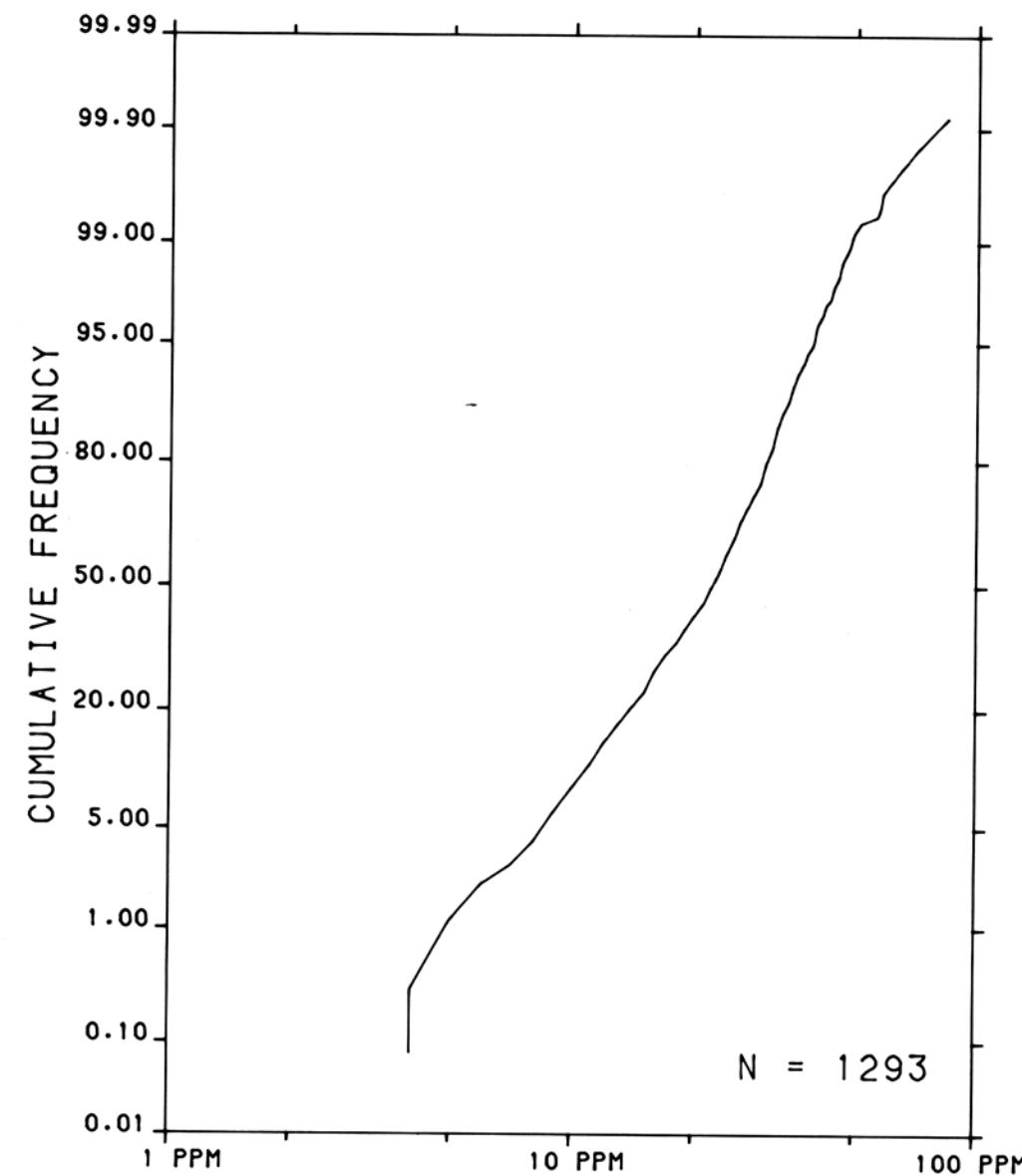
Sediment chemical analysis by Chemex Labs Ltd.
Water chemical analyses by Acme Analytical Laboratories Ltd.
Other water chemical analyses by Manitoba Technical Laboratory Services

This map forms one of a series of maps released by the Geological Survey of Canada, Open File 999. The Open File consists of maps of various geochemical variables: 16 for lake sediment, 8 for lake water and 1 sample site location

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LYNN LAKE AREA, MANITOBA

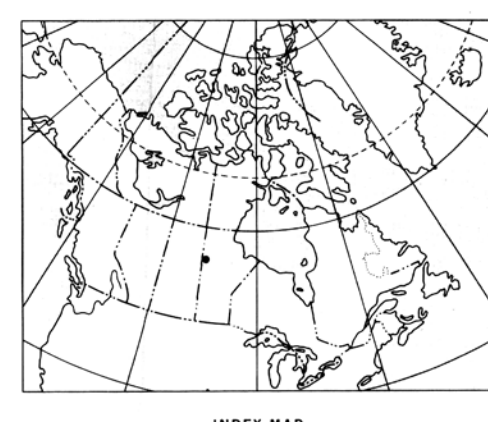
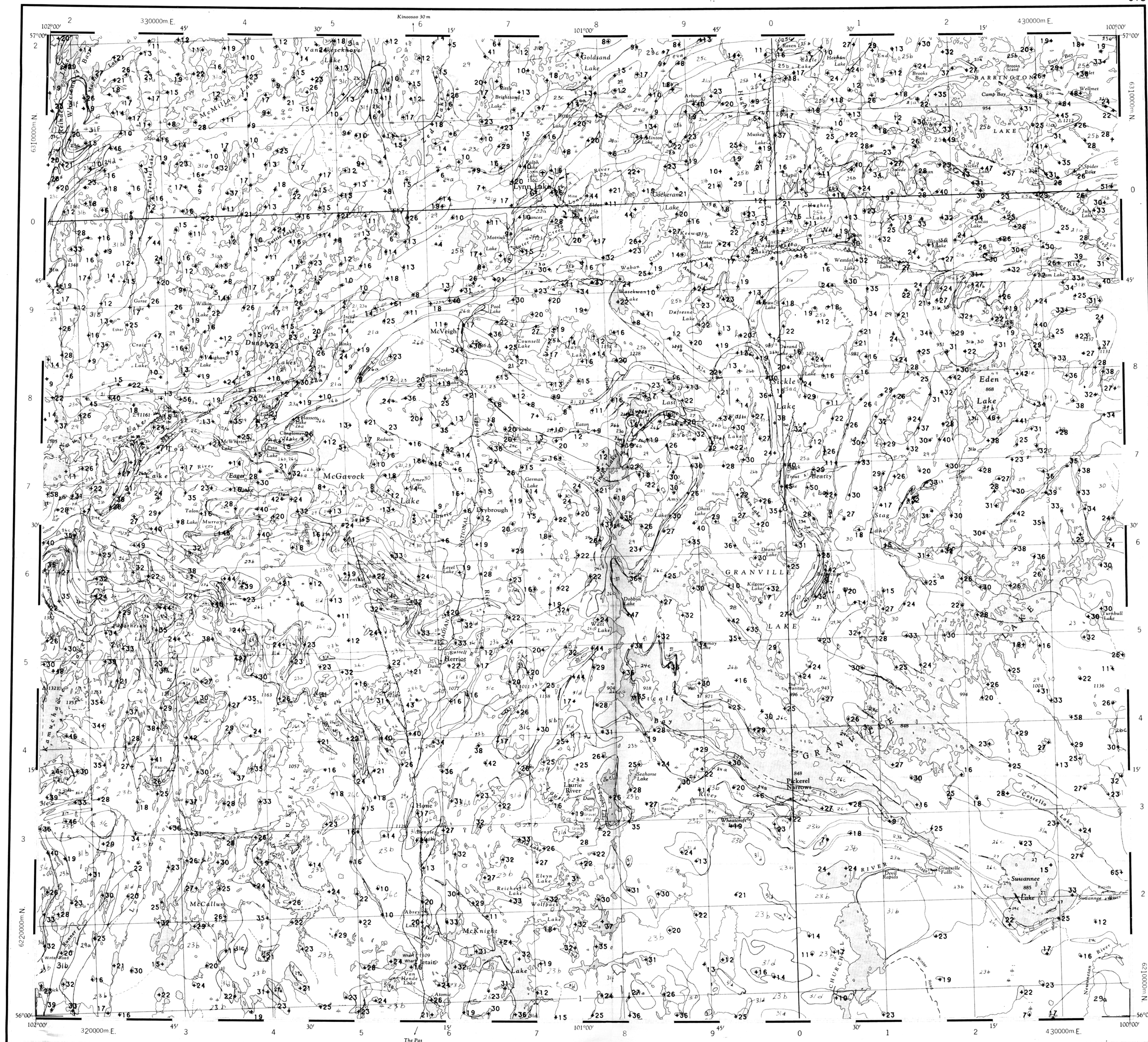


Copies of map material and listings of field observations and analytical data, from which the material was prepared, may be available at users expense by application to:

K.G. Campbell Corporation
880 Wellington St.
Bay 238
Ottawa, Ontario
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The data are also available in digital form. For further information please contact:

The Director
Computer Science Center
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Elevation in feet above mean sea level

Mean magnetic declination 1984, 11°04.7' East
decreasing 16.7' annually. Readings vary from
10°57.4' in the NE corner to 13°05.0' in the
SW corner of the map area

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REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 64-1983

CANADA/MANITOBA INTERIM MINERAL AGREEMENT

LAKE SEDIMENT AND WATER GEOCHEMICAL SURVEY

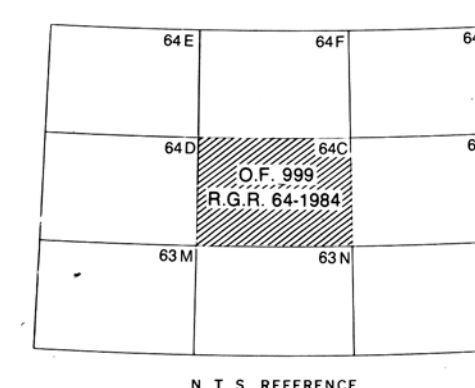
LYNN LAKE AREA, MANITOBA

Scale 1:250 000

Kilometres 0 6 12 18 Kilometres

Universal Transverse Mercator Projection
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Base-map from map published at the same scale
by the Surveys and Mapping Branch in 1963



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