

MAGNESIUM in water (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 METAMOR-  
PHIC SUITE

SOUTHERN INDIAN  
GNEISS

- 26 ARKOSIC METASEDIMENTARY ROCKS, DERIVED GNEISS  
26a- conglomerate (ASAC)  
26b- arkosic sandstone (ASAS)  
26c- sandstone-derived  
gneiss, migmatite (ASAN)  
unconformable  
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)

WASEKAN or SICKLE  
GROUP

GNEISSIC ROCKS OF PROBABLE  
WASEKAN AGE

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

WASEKAN GROUP

BURNTWOOD RIVER  
METAMORPHIC SUITE

- 23 METASEDIMENTARY ROCKS  
23a- greywacke, conglomerate,  
mafic mudstone (AWSW)  
23b- greywacke-derived  
gneiss, migmatite (ABSW)  
conformable  
unconformable
- 24a- amphibolite, tuff (AIMA)  
23c- greywacke-derived gneiss  
and migmatite (AISW)
- 22(AWVI) FELSIC, INTERMEDIATE VOLCANICS  
22a- dacite, rhyolite (AWVD)
- 21(AWVM) MAFIC, INTERMEDIATE VOLCANICS  
21a- basalt, andesite (AWVA)  
21b- 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  
Mineral Resources Division

CONTRACTORS

Sample collection by Wolllex Exploration  
Sample preparation by Golder Associates

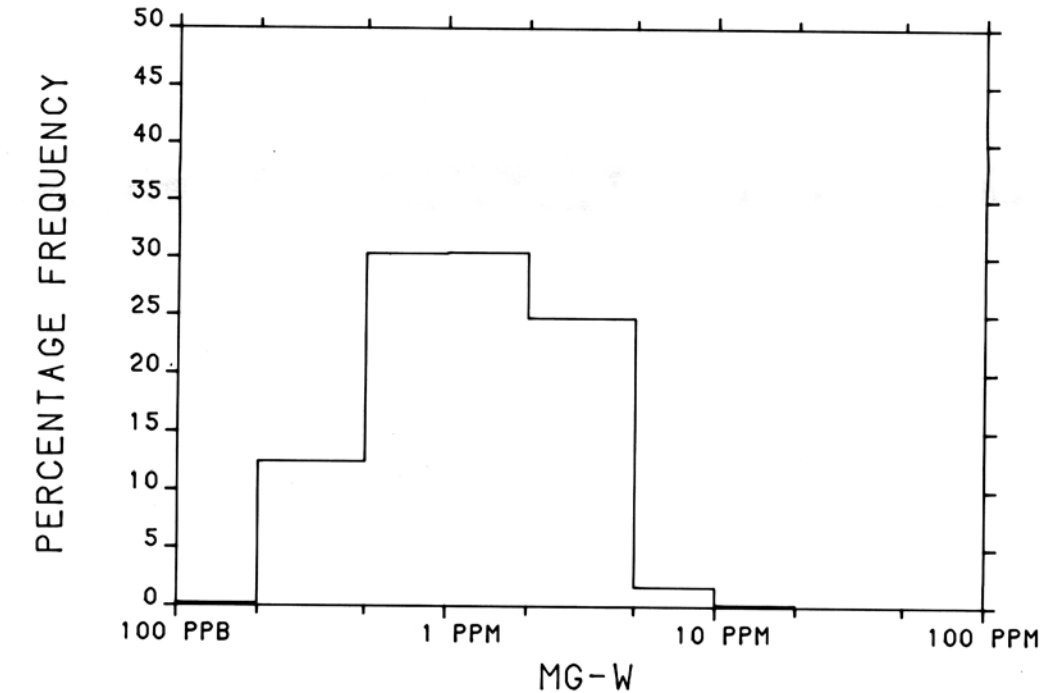
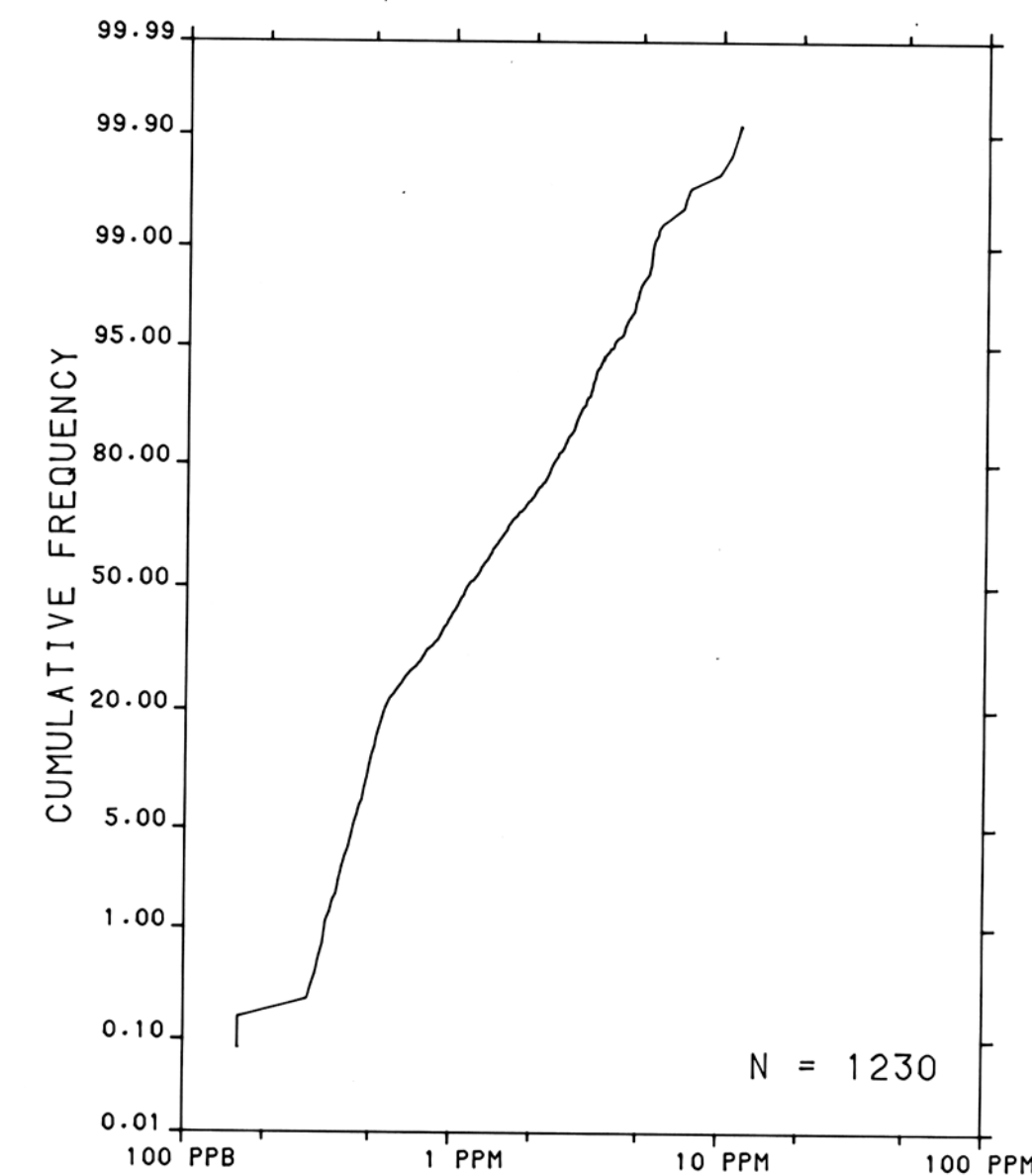
Sediment chemical analysis by Chemex Labs Ltd.  
Water chemical analyses by Acme Analytical Laboratories Ltd.  
Other water chemical analyses by Manitoba Technical Laboratory Services

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

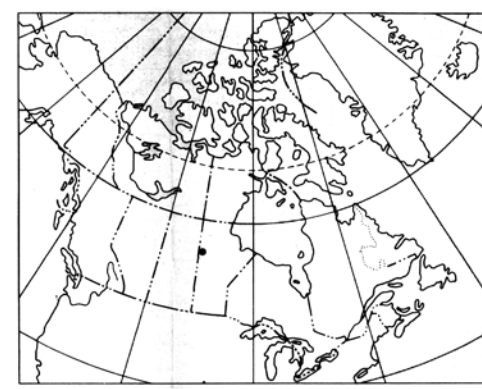
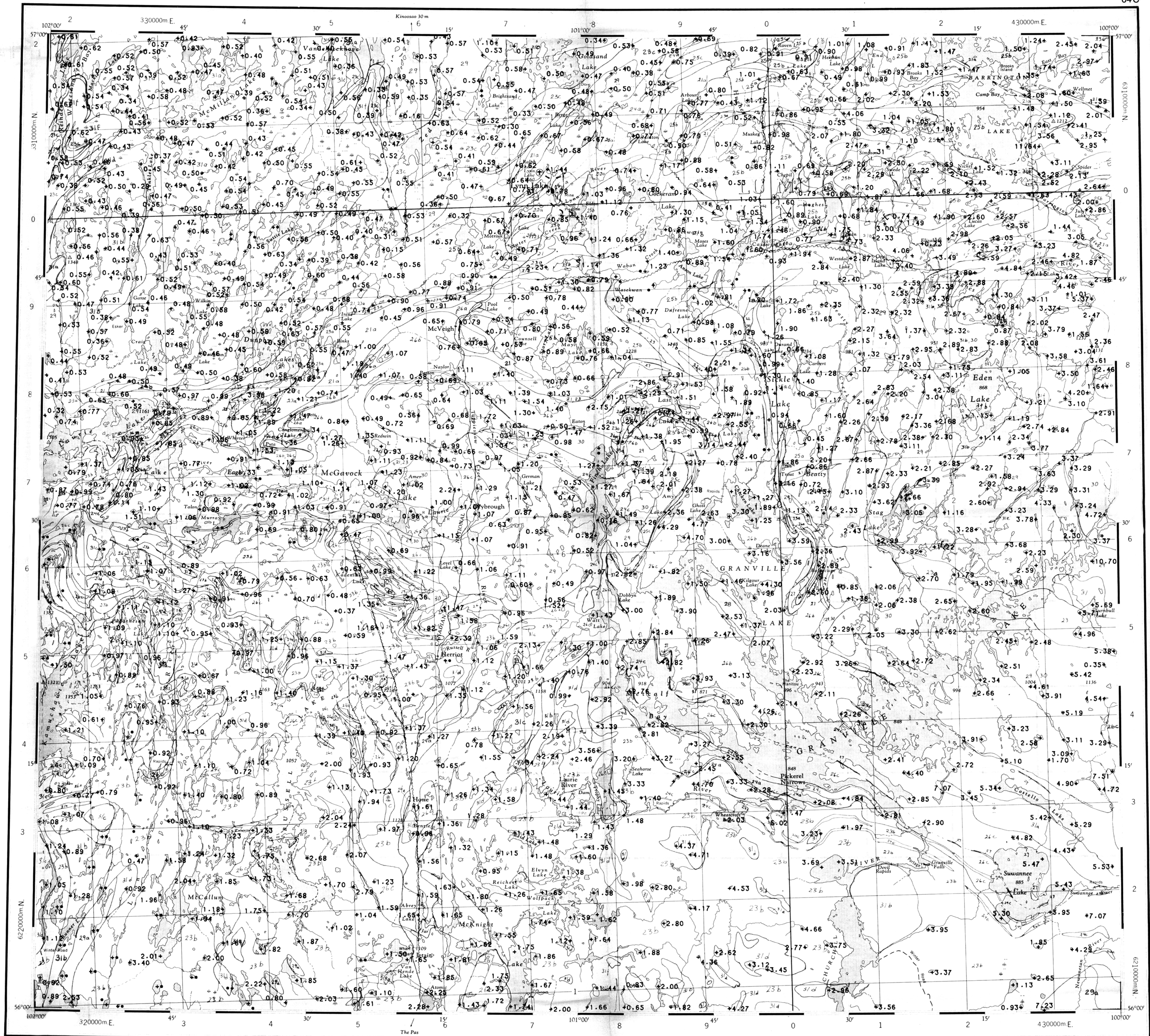


Copies of map material and listings of field observations and analytical  
data, from which the material was prepared, may be available at users  
expense by application to:

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

The Director  
Computer Science Center  
Department of Energy, Mines and Resources  
Ottawa, Ontario  
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Elevation in feet above mean sea level  
Mean magnetic declination 1984, 11°44.7' 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

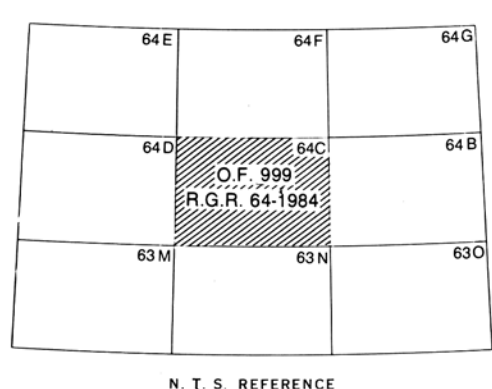
LYNN LAKE AREA, MANITOBA

Scale 1:250 000

Kilometres 6 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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