

MANGANESE (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	
26 ARKOSIC METASEDIMENTARY ROCKS, DERIVED GNEISS 26a-conglomerate (ASAC) 26b-arkosic sandstone (ASAS)	26c-sandstone-derived gneiss, migmatite (ASAN) on Burntwood River M.S.	SOUTHERN INDIAN GNEISS
25 PRE-SICKLE INTRUSIVE ROCKS 25a-gabbro, norite, ultramafic rock (APIR) 25b-tonalite, granodiorite, diorite (APIT) 25c-granite (APIG)		
24 WASEKAN or SICKLE GROUP AMPHIBOLITE, CALC-SILICATE ROCK, METASEDIMENTARY ROCKS 24a-conglomerate, greywacke (AGMC); 24b-felsic gneiss (AGMA) unconformable?	GNEISSIC ROCKS OF PROBABLE WASEKAN AGE 24c mafic gneiss, volcanic rock greywacke, quartzite, marble (ABMN) conformable 24d-amphibolite tuff (AIMA) conformable 23c-greywacke-derived gneiss, migmatite (ABSW) conformable	
23 WASEKAN GROUP METASEDIMENTARY ROCKS 23a-greywacke, conglomerate, mafic mudstone (AWSW)	BURNTWOOD RIVER METAMORPHIC SUITE 23b-greywacke-derived gneiss, migmatite (ABSW) conformable	
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

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Sample collection by Wollex Exploration
Sample preparation by Golder Associates

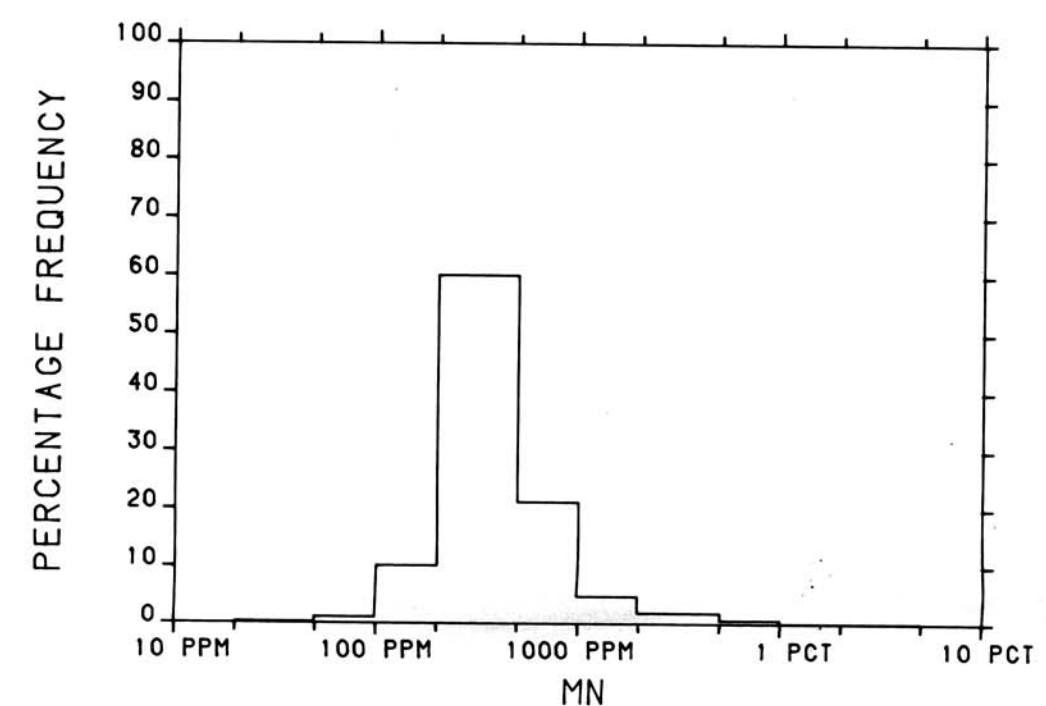
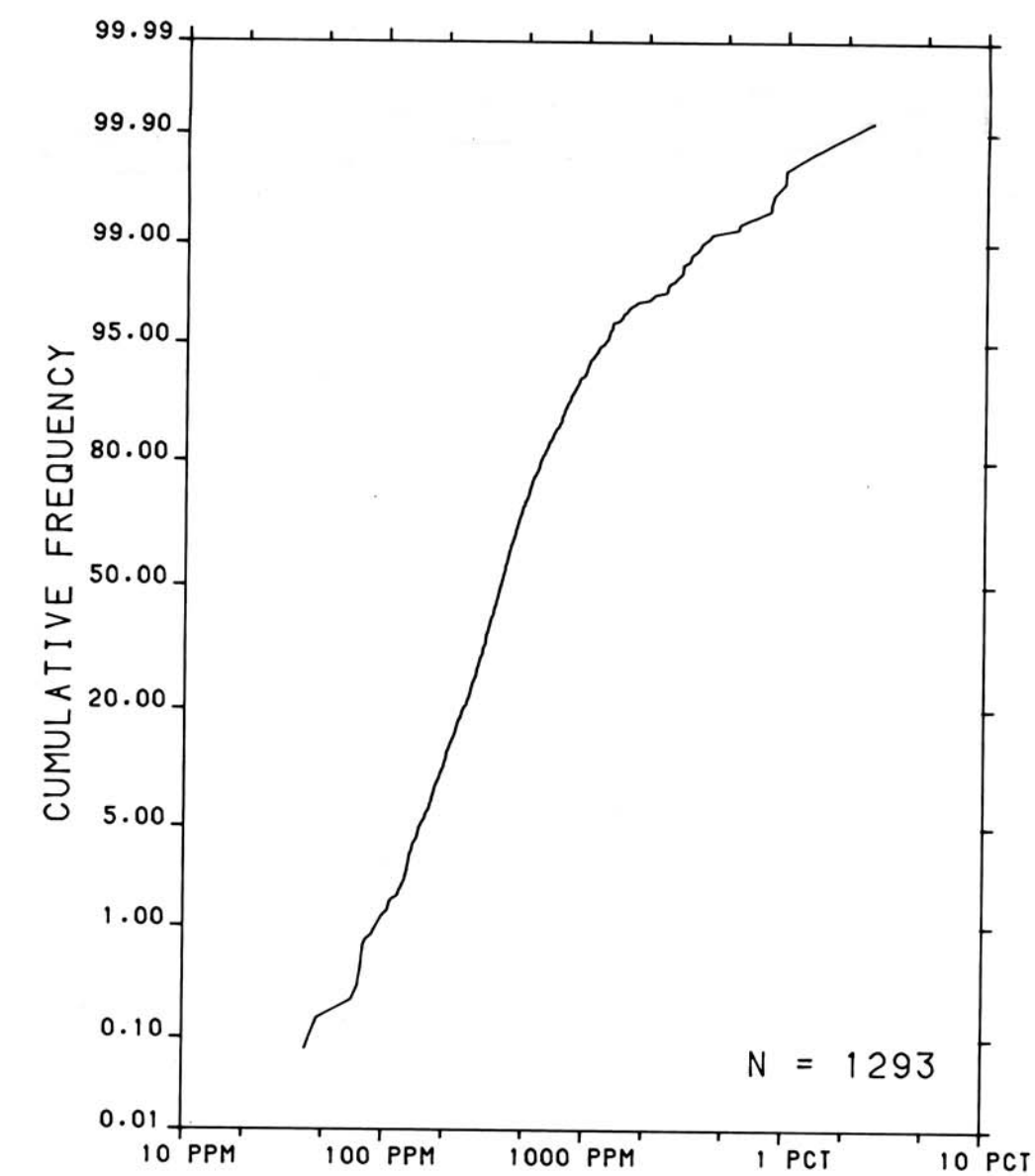
Sediment chemical analysis by Chemex Labs Ltd.
Water chemical analyses by Acme Analytical Laboratories Ltd.
Other water chemical analyses by Manitoba Technical Laboratory Services

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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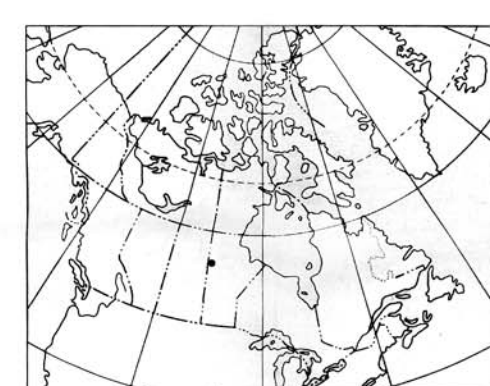
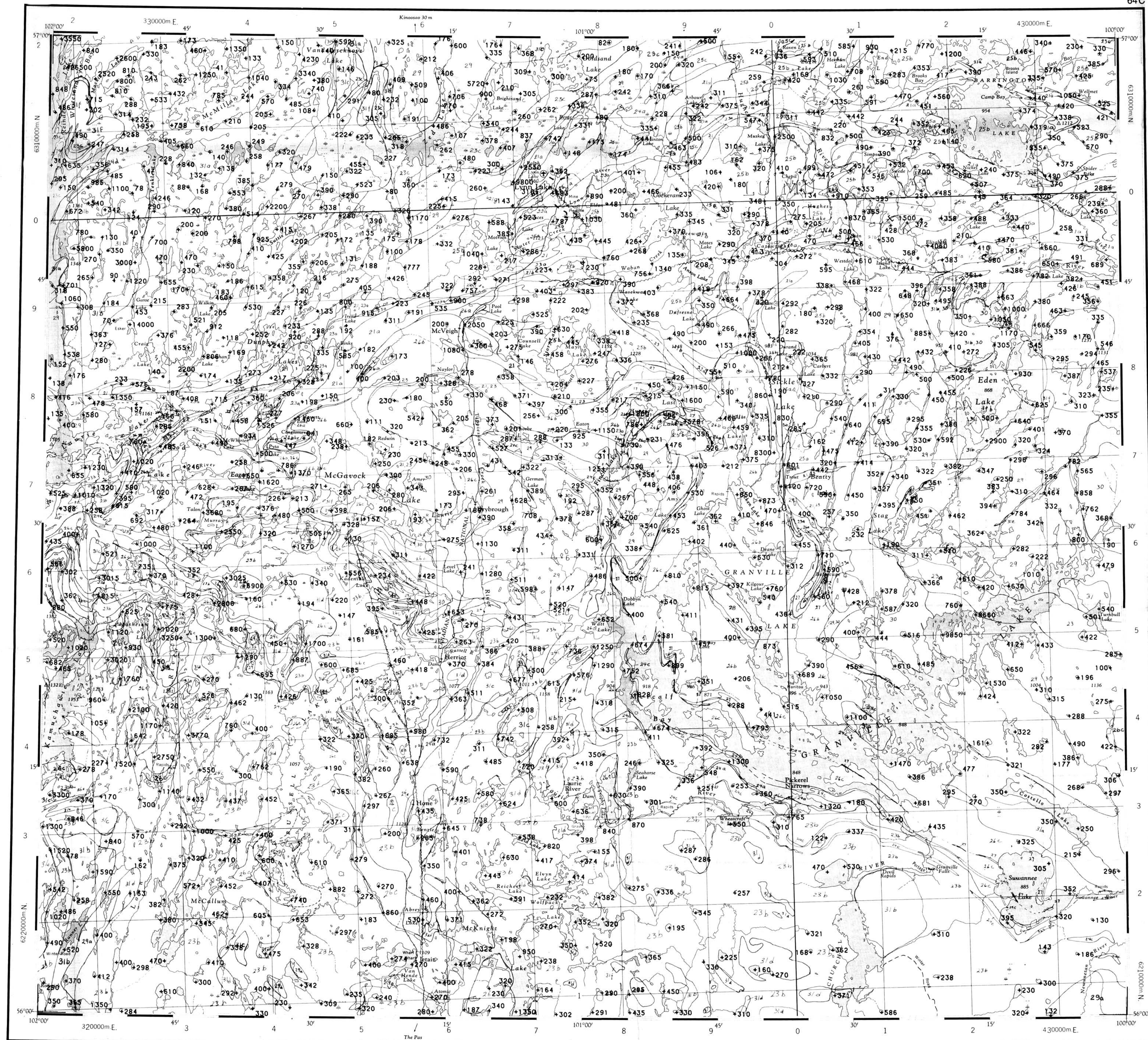


Copies of map material and listings of field observations and analytical
data, from which the material was prepared, may be available at users
expense by application to:

K.G. Campbell Corporation
880 Wellington St.
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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

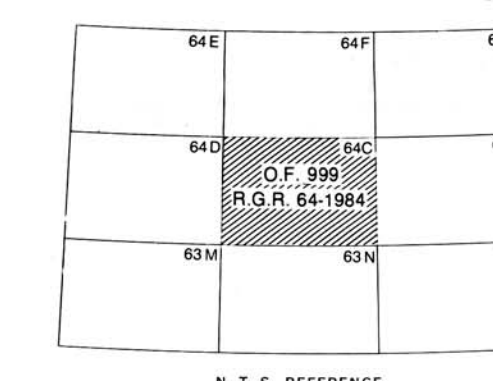
LYNN LAKE AREA, MANITOBA

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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