

CALCIUM 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(AH) GRANITIC INTRUSIVE ROCKS, POST-SICKLE (HUDSONIAN) (AHIA to AHIF)
31a-leucotonalite + magnetite; 31b-megacrystic granite; 31c-granite, granodiorite + hornblende; 31d-leucogranite, granodiorite; 31e-monzonite, syenite; 31f-pyroxenite

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)
unconformable on Burntwood River M.S.

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)

23c-greywacke-derived gneiss, migmatite (AISW)
23d-amphibolite, tuff (AIMA)

22(AWV) 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 Wollex Exploration
Sample preparation by Golder Associates

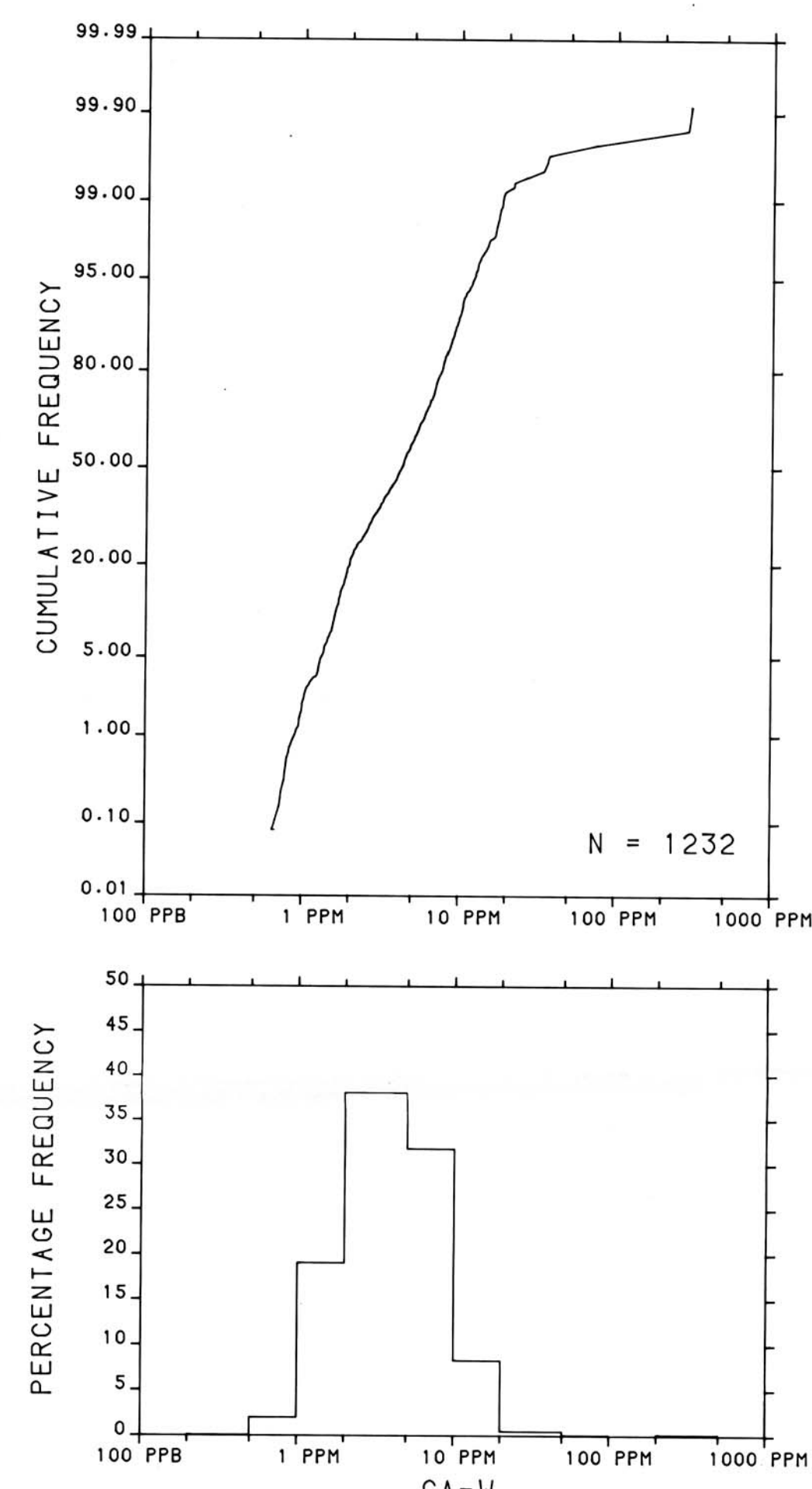
Sediment chemical analysis by Chemex Labs Ltd.
Water chemical analyses by Acme Analytical Laboratories Ltd.
Other water chemical analyses by Manitoba Technical Laboratory Services

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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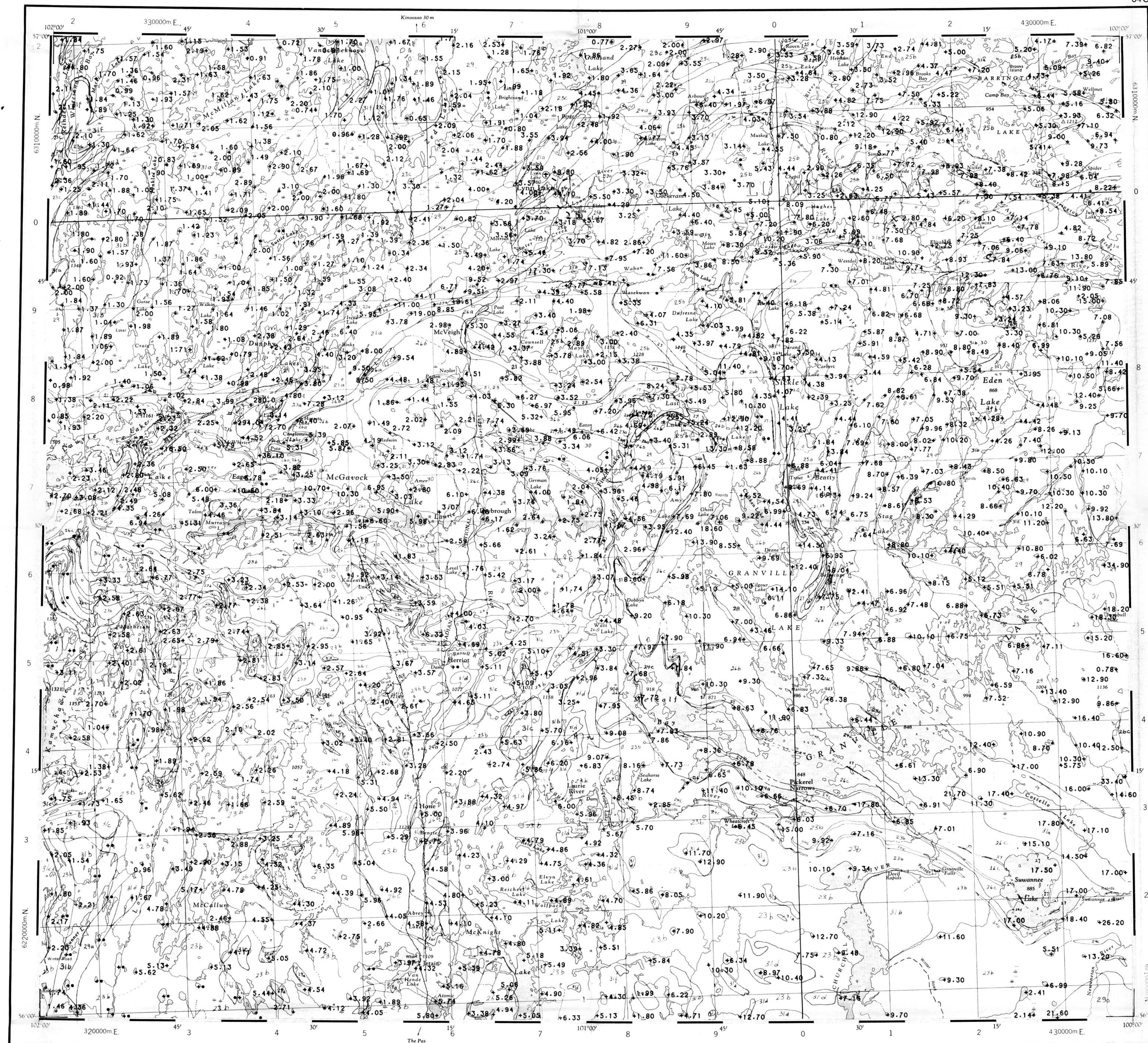


Copies of map material and listings of field observations and analytical data, from which the material was prepared, may be available at users expense by application to:

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

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REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 64-1983

CANADA/MANITOBA INTERIM MINERAL AGREEMENT

LAKE SEDIMENT AND WATER GEOCHEMICAL SURVEY

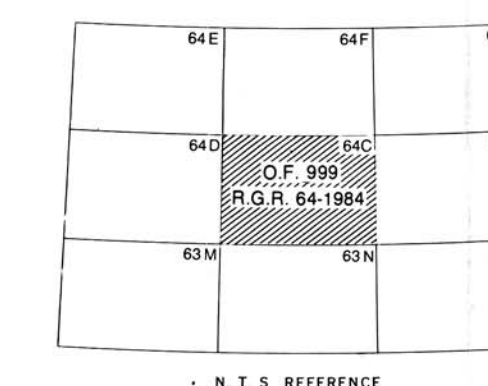
LYNN LAKE AREA, MANITOBA

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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