

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

PROTEROZOIC (APHEBIAN)

- 31(AH1U) GRANITIC INTRUSIVE ROCKS, POST-SICKLE (HUDSONIAN) (AH1A to AH1F)  
31a - leucotonalite + magnetite; 31b - megacrystic granite; 31c - granite, granodiorite ± 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 (AH1I), 29a - pyroxene tonalite (AH1P)
- 28 MAFIC INTRUSIVE ROCKS, POST-SICKLE  
28 - gabbro, minor ultramafic rock (AHIR)
- 27 BLACK TROUT INTRUSIVE SUITE  
27 - quartz diorite, diorite (ATIQ)

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| <p>26 ARKOSIC METASEDIMENTARY ROCKS, DERIVED GNEISS<br/>26a - conglomerate (ASAC)<br/>26b - arkosic sandstone (ASAS)</p> | <p>SICKLE GROUP SICKLE METAMORPHIC SUITE<br/>26c - sandstone-derived gneiss, migmatite (ASAN)</p> |
|--|---|
- SOUTHERN INDIAN GNEISS
- 25 PRE-SICKLE INTRUSIVE ROCKS  
25a - gabbro, norite, ultramafic rock (APIR)  
25b - tonalite, granodiorite, diorite (APIT)  
25c - granite (APIG)

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|---|--|
| <p>24 AMPHIBOLITE, CALC-SILICATE ROCK, METASEDIMENTARY ROCKS<br/>24a - conglomerate, greywacke (AGMC), 24b - felsic gneiss (AGMF)</p> | <p>WASEKWAN or SICKLE GROUP GNEISSIC ROCKS OF PROBABLE WASEKWAN AGE<br/>24c - amphibolite, tuff (AIMA)</p> |
|---|--|
- |  |  |
|--|--|
| <p>23 METASEDIMENTARY ROCKS<br/>23a - greywacke, conglomerate, mafic mudstone (AWSW)</p> | <p>WASEKWAN GROUP BURNTWOOD RIVER METAMORPHIC SUITE<br/>23b - greywacke-derived gneiss, migmatite (ABSW)<br/>23c - greywacke-derived gneiss and migmatite (AISW)</p> |
|--|--|
- 22(AWV) FELSIC, INTERMEDIATE VOLCANICS  
22a - dacite, rhyolite (AWVD)
  - 21(AWYM) 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. Zwanzig, Manitoba Dept. of Energy and Mines

Geological Survey of Canada  
Resource Geophysics and Geochemistry Division

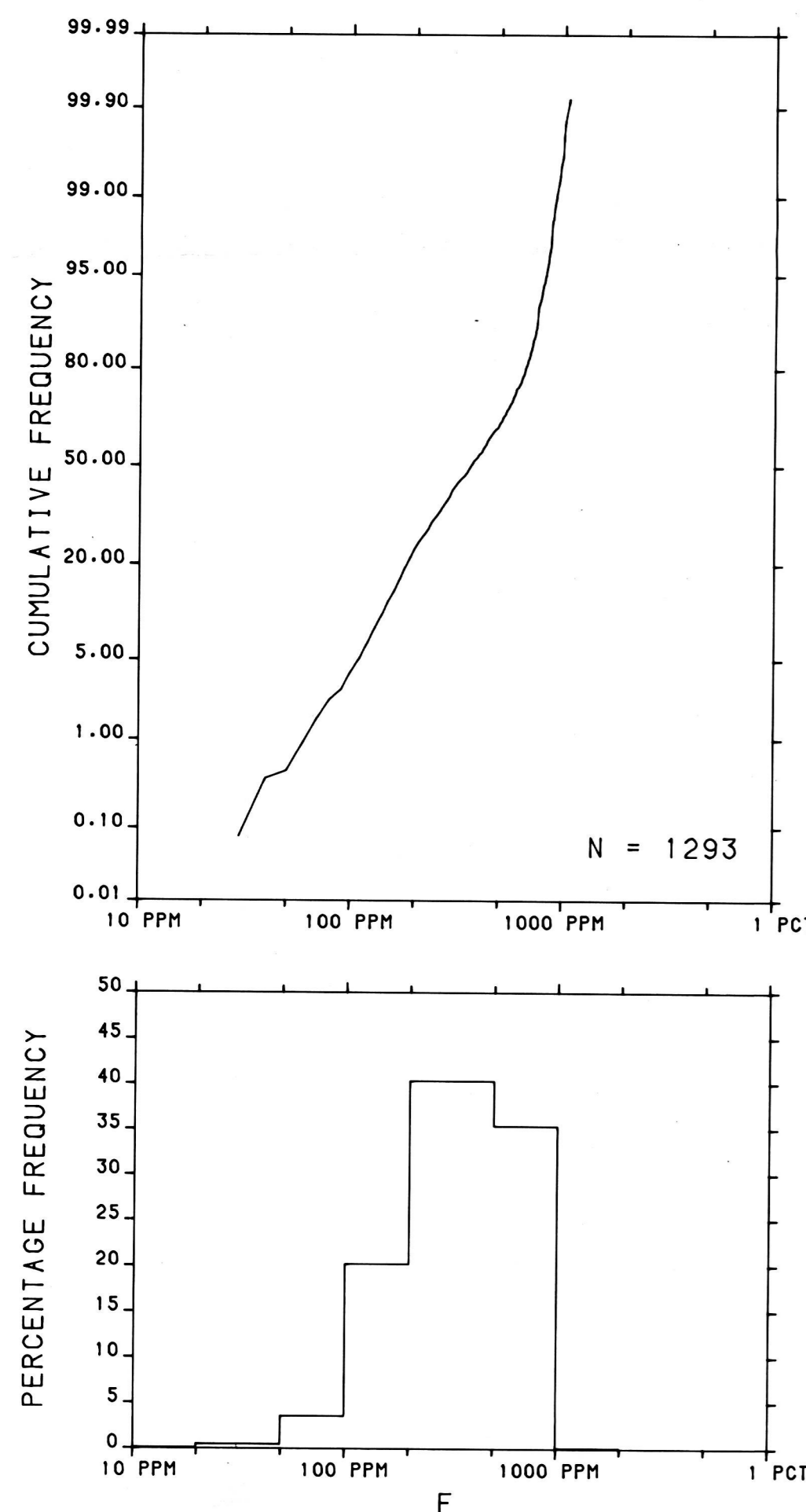
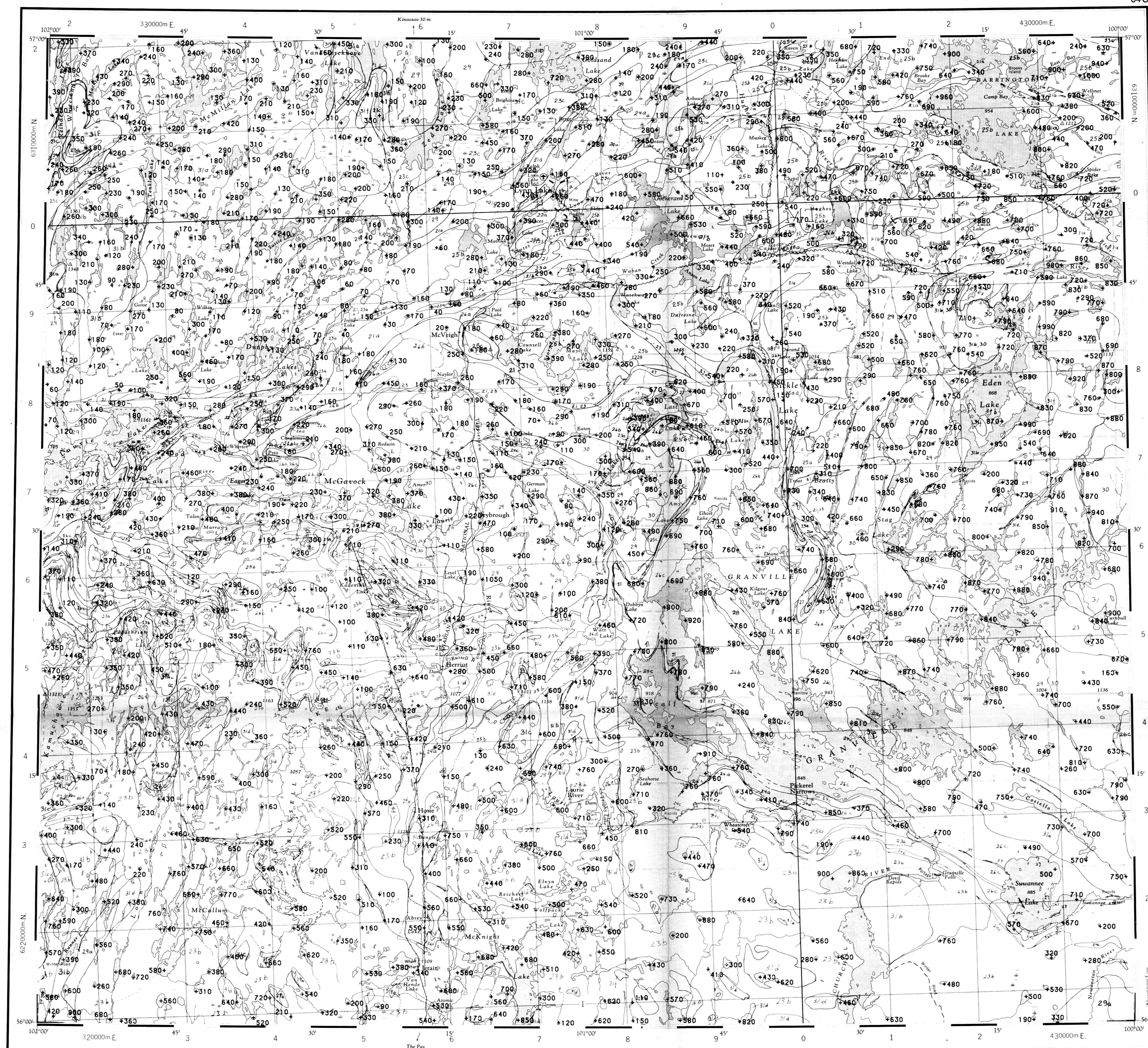
Manitoba Department of Energy and Mines  
Mineral Resources Division

CONTRACTORS

Sample collection by 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

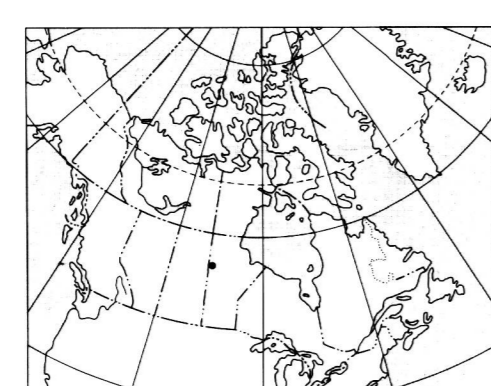


Copies of map material and listings of field observations and analytical data, from which the material was prepared, may be available at users expense by application to:

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  
Department of Energy, Mines and Resources  
Ottawa, Ontario  
K1A 0E4



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

FLUORINE (ppm)

GSC OPEN FILE 999

REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 64-1983

CANADA/MANITOBA INTERIM MINERAL AGREEMENT

LAKE SEDIMENT AND WATER GEOCHEMICAL SURVEY

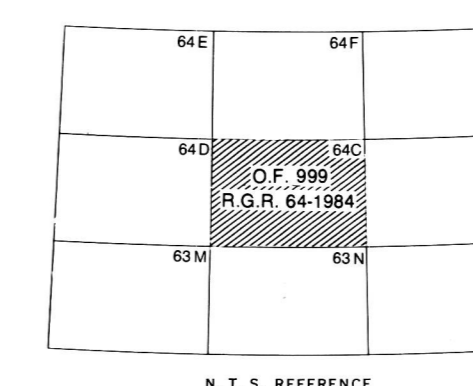
LYNN LAKE AREA, MANITOBA

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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