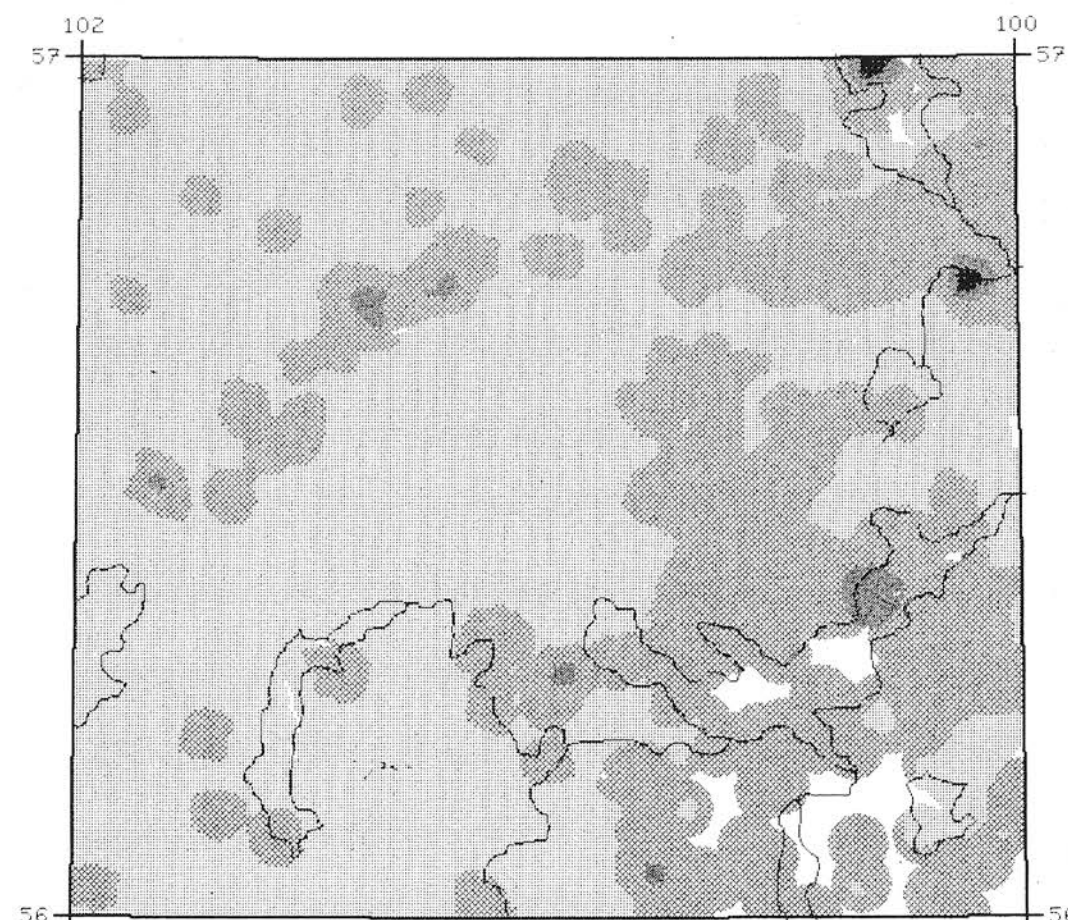
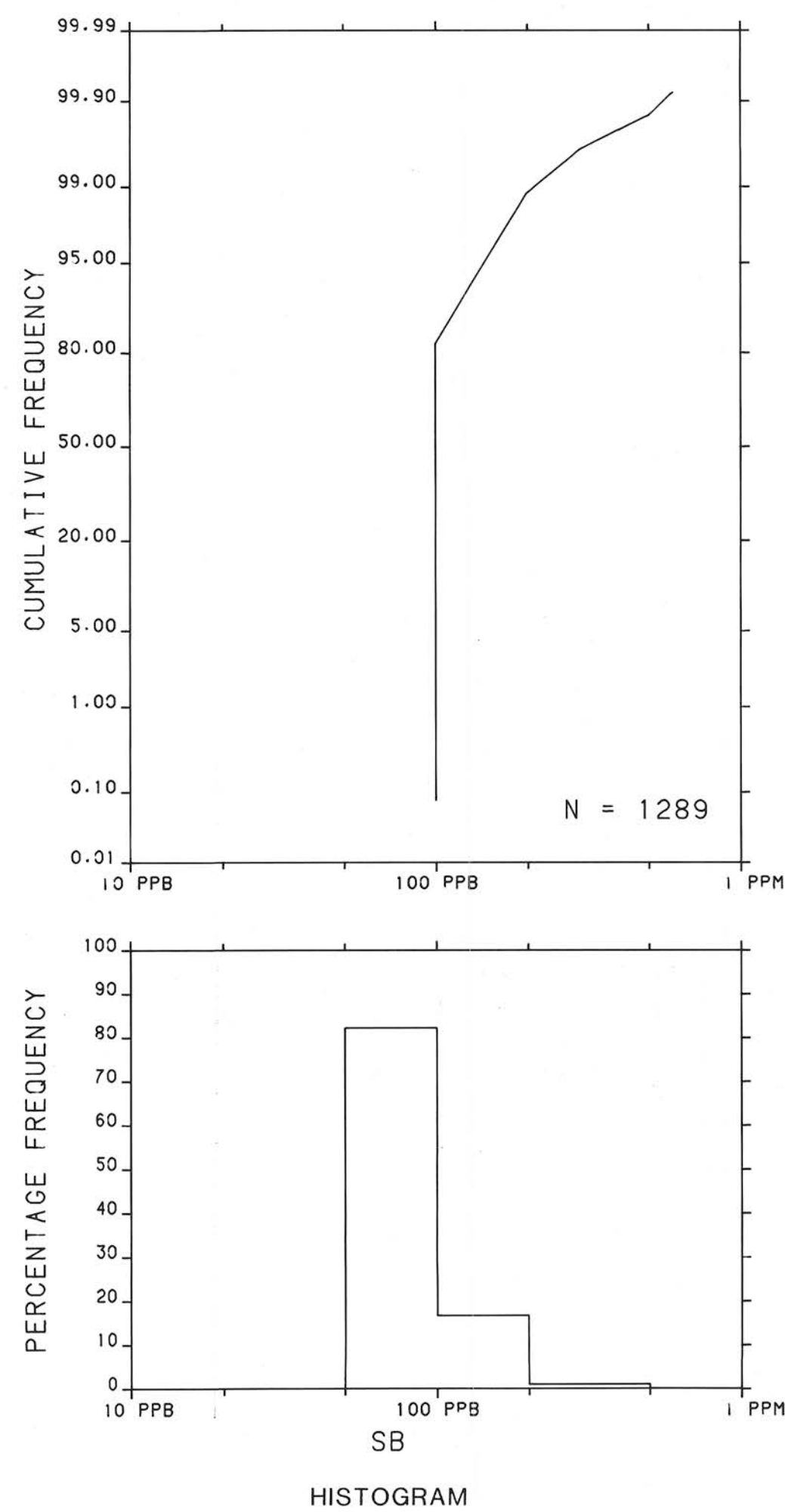




SB

PPM
0.6
0.3
0.2
0.1
0.1
1289 SAMPLES

The regional geochemical trend map displayed above utilized a moving weighted average using an inverse distance function ($1/d^3$) to filter out minor irregularities and emphasize broad-scale regional features. Single point anomalies may be suppressed or eliminated, however, geological units which are chemically enriched, or large metallic deposits undergoing weathering would be expected to produce identifiable anomalies.

Geological Survey of Canada
Resource Geophysics and Geochemistry DivisionManitoba Department of Energy and Mines
Mineral Resources DivisionCONTRACTORS
Sample collection by Wollex Exploration
Sample preparation by Golder Associates

Sediment chemical analyses by Chemex Labs Ltd., Toronto, Ontario (1984, Au-1985)
and Barringer Magenta Laboratories Ltd., Rexdale, Ontario (Sb-1985)
Water chemical analyses by Acme Analytical Laboratories Ltd., Toronto, Ontario (1983)
and Ward Technical Services Laboratory, Manitoba (1985)

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
K1R 6K7

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

The Director
Computer Science Centre
Department of Energy, Mines and Resources
Ottawa, Ontario
K1A 0E4

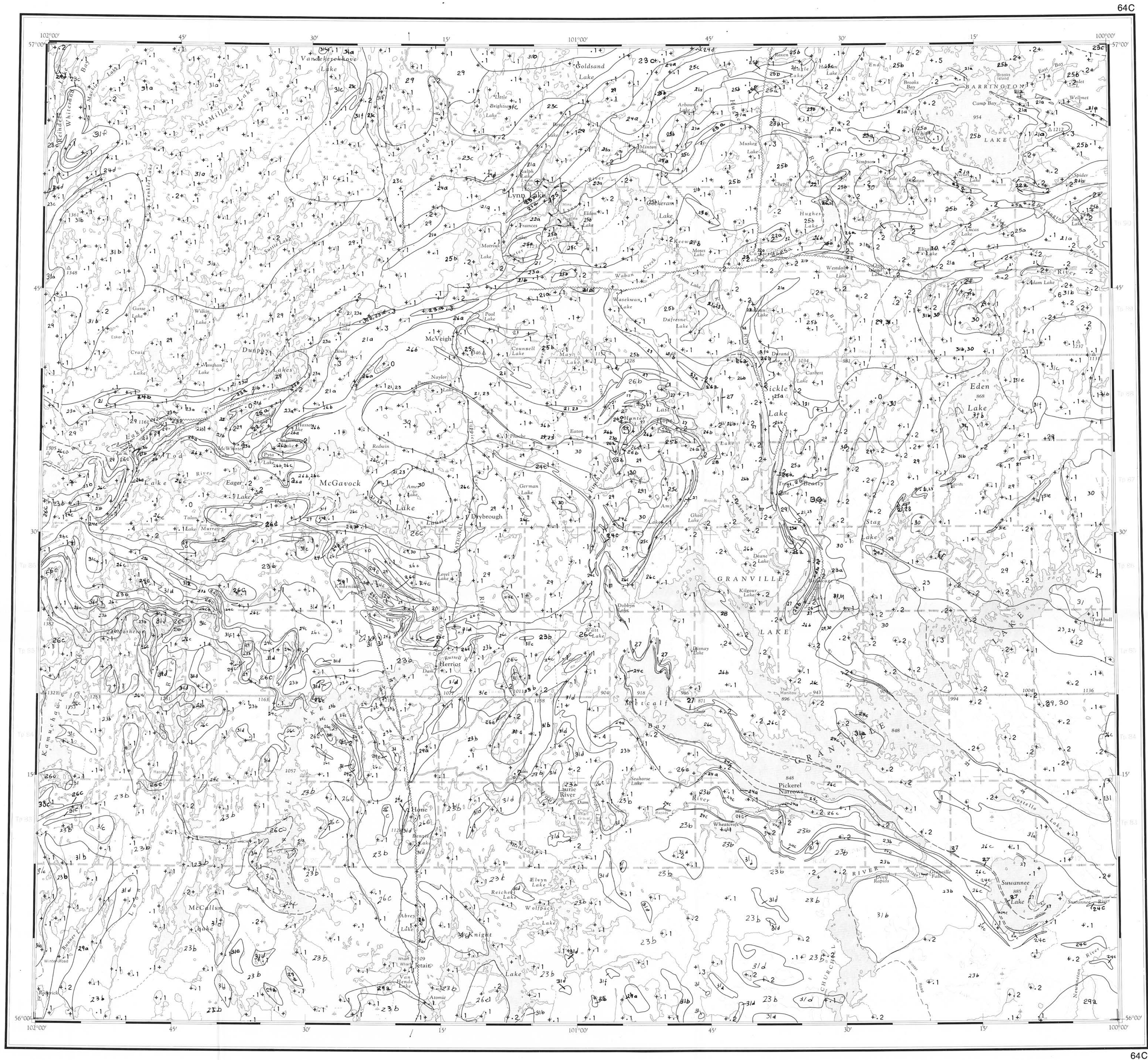
Contribution to Canada-Manitoba Mineral Development Agreement 1984-89, a subsidiary agreement under the Economic and Regional Development Agreement. Project funded by the Geological Survey of Canada

Manitoba
Energy and MinesEnergy, Mines and
Resources CanadaEnergie, Mines et
Ressources Canada

Canada

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ANTIMONY (ppm)

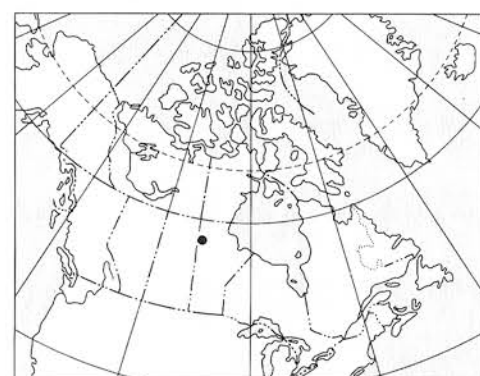
GSC OPEN FILE 1288

REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 87-1985

CANADA - MANITOBA
MINERAL DEVELOPMENT AGREEMENT (1984-89)
LAKE SEDIMENT AND WATER GEOCHEMICAL SURVEY
LYNN LAKE AREA, MANITOBA 1983/1985

Scale 1:250 000

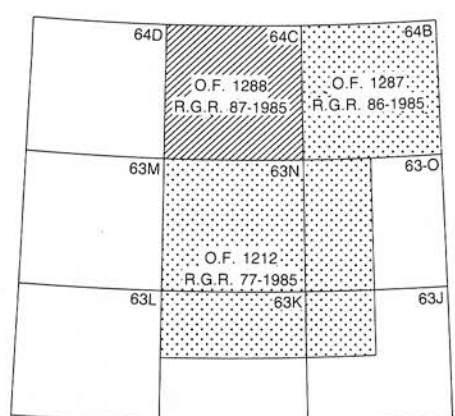
Kilometres 5 10 15 20 Kilometres
Universal Transverse Mercator Projection
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Elevation in feet above mean sea level

Mean magnetic declination 1986, 11°24' East,
decreasing 22.7" annually. Readings vary from
12°45' E in the NW corner to 10°06' E in
the SE corner of the map area

Base map from map published at the same scale
by the Surveys and Mapping Branch in 1963



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

This map forms one of a series of maps released by the Geological Survey
of Canada, Open File 1212, 1287 and 1288. This Open File consists
of maps for Au and Sb, and 1 sample site location

Open File 1288 is an addition to Open File 999 released in 1984

ANTIMONY (ppm)

GSC OPEN FILE 1288

LYNN LAKE AREA, MANITOBA 1983/1985

LEGEND

PROTEROZOIC (APHEBIAN)

31(AH1) 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)unconformable
on Burntwood River M.S.

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

WASEKWAN or SICKLE
GROUPGNEISSIC 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 (AGSW)

23c-mafic gneiss, volcanic rock
greywacke, quartzite, marble
ABMN

conformable

23d-amphibolite, tuff (ATMA)

conformable

23e-greywacke-derived gneiss
and migmatite (AISW)

21(AWM) 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.....