

**LEAD (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(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 (AH1G)

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  
 28b - gabbro, minor ultramafic rock (AH1R)

27 BLACK TROUT INTRUSIVE SUITE  
 27 - quartz diorite, diorite (AT1Q)

SICKLE GROUP		SICKLE METAMORPHIC SUITE		SOUTHERN INDIAN GNEISS
26	ARKOSIC METASEDIMENTARY ROCKS, DERIVED GNEISS 26a - conglomerate (ASAC) 26b - arkosic sandstone (ASAS)	26c - sandstone-derived gneiss, migmatite (ASAN) — conformable — on Burntwood River M.S.		
25	PRE-SICKLE INTRUSIVE ROCKS 25a - gabbro, norite, ultramafic rock (AP1R) 25b - tonalite, granodiorite, diorite (AP1I) 25c - granite (AP1G)			
WASEKWAN or SICKLE GROUP		GNEISSIC 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)	23c - mafic gneiss, volcanic rock, greywacke, quartzite, marble (ABMU) — conformable — 23b - greywacke-derived gneiss, migmatite (ABSW)	24d - amphibolite, tuff (A1MA) — conformable — 23c - greywacke-derived gneiss and migmatite (A1SW)	
22(AW1I)	FELSIC, INTERMEDIATE VOLCANICS 22a - dacite, rhyolite (AW1D)			
21(AW1M)	MAFIC, INTERMEDIATE VOLCANICS 21a - basalt, andesite (AW1A) 21b - basalt (AW1B)			

\* A four letter mnemonic name recorded as rock type as part of field observations

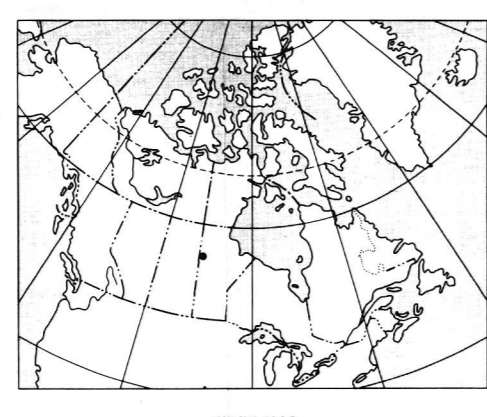
Geological boundary.....  
 Fault.....  
 No analytical result.....\*

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 23B  
 Ottawa, Ontario  
 K1R 6K7

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

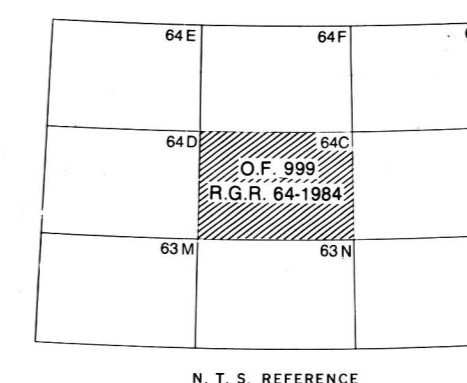
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 REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 64-1983  
 CANADA/MANITOBA INTERIM MINERAL AGREEMENT  
 LAKE SEDIMENT AND WATER GEOCHEMICAL SURVEY  
 LYNN LAKE AREA, MANITOBA

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



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

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