

**MERCURY (ppb)**  
GSC OPEN FILE 999  
LYNN LAKE AREA, MANITOBA  
LEGEND

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

<b>PROTEROZOIC (APHEBIAN)</b>		
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 (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)	
	<b>SICKLE GROUP</b>	<b>SICKLE METAMORPHIC SUITE</b>
26	ARKOSIC METASEDIMENTARY ROCKS, DERIVED GNEISS	<b>SOUTHERN INDIAN GNEISS</b>
	26a-conglomerate (ASAC) 26b-arkosic sandstone (ASAS)	
	26c-sandstone-derived gneiss, migmatite (ASAN) <i>unconformable on Burnwood River M.S.</i>	
25	PRE-SICKLE INTRUSIVE ROCKS	
	25a-gabbro, norite, ultramafic rock (APIR) 25b-tonalite, granodiorite, diorite (APIT) 25c-granite (APIG)	
	<b>WASEKWAN or SICKLE GROUP</b>	<b>GNEISSIC ROCKS OF PROBABLE WASEKWAN AGE</b>
24	AMPHIBOLITE, CALC-SILICATE ROCK, METASEDIMENTARY ROCKS	
	24a-conglomerate, greywacke (AGMC); 24b-felsic gneiss (AGMF) <i>unconformable?</i>	
	<b>WASEKWAN GROUP</b>	<b>BURNWOOD RIVER METAMORPHIC SUITE</b>
23	METASEDIMENTARY ROCKS	23c mafic gneiss, volcanic rock greywacke, quartzite, marble (ABMA) <i>conformable</i>
	23a-greywacke, conglomerate, mafic mudstone (AWSW)	23b-greywacke-derived gneiss, migmatite (ABSW)
22(AWV)	FELSIC, INTERMEDIATE VOLCANICS	24d-amphibolite, tuff (AUMA) <i>conformable</i>
	22a-dacite, rhyolite (AWVD)	23c-greywacke-derived gneiss and migmatite (AISW)
21(AWV)	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**

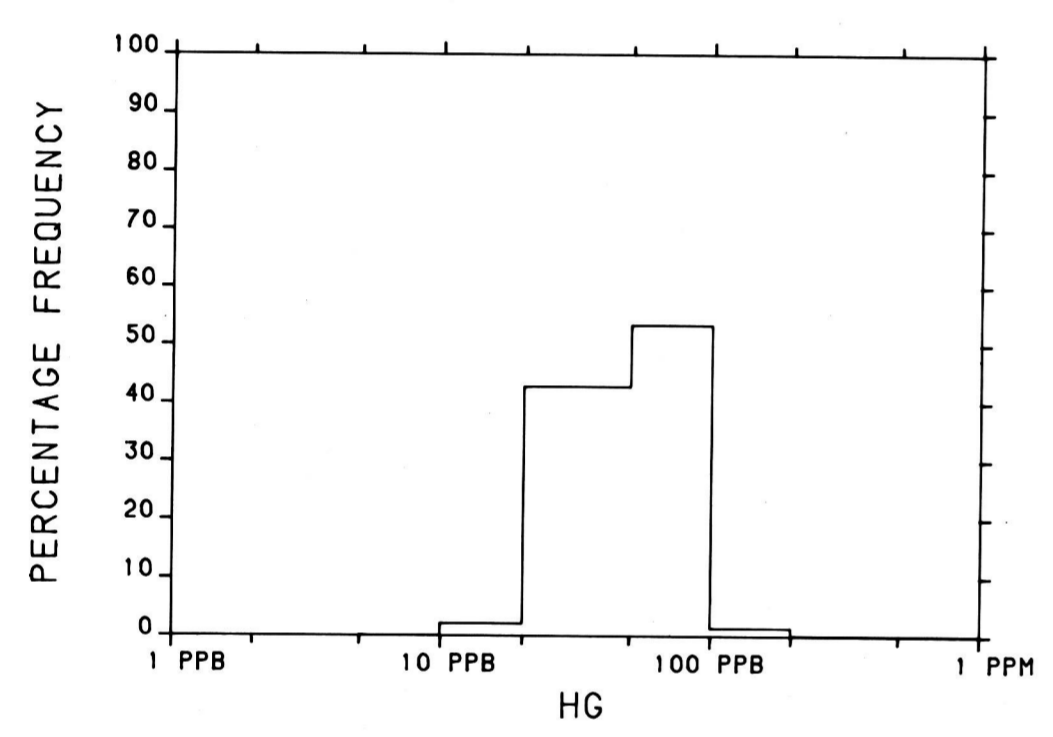
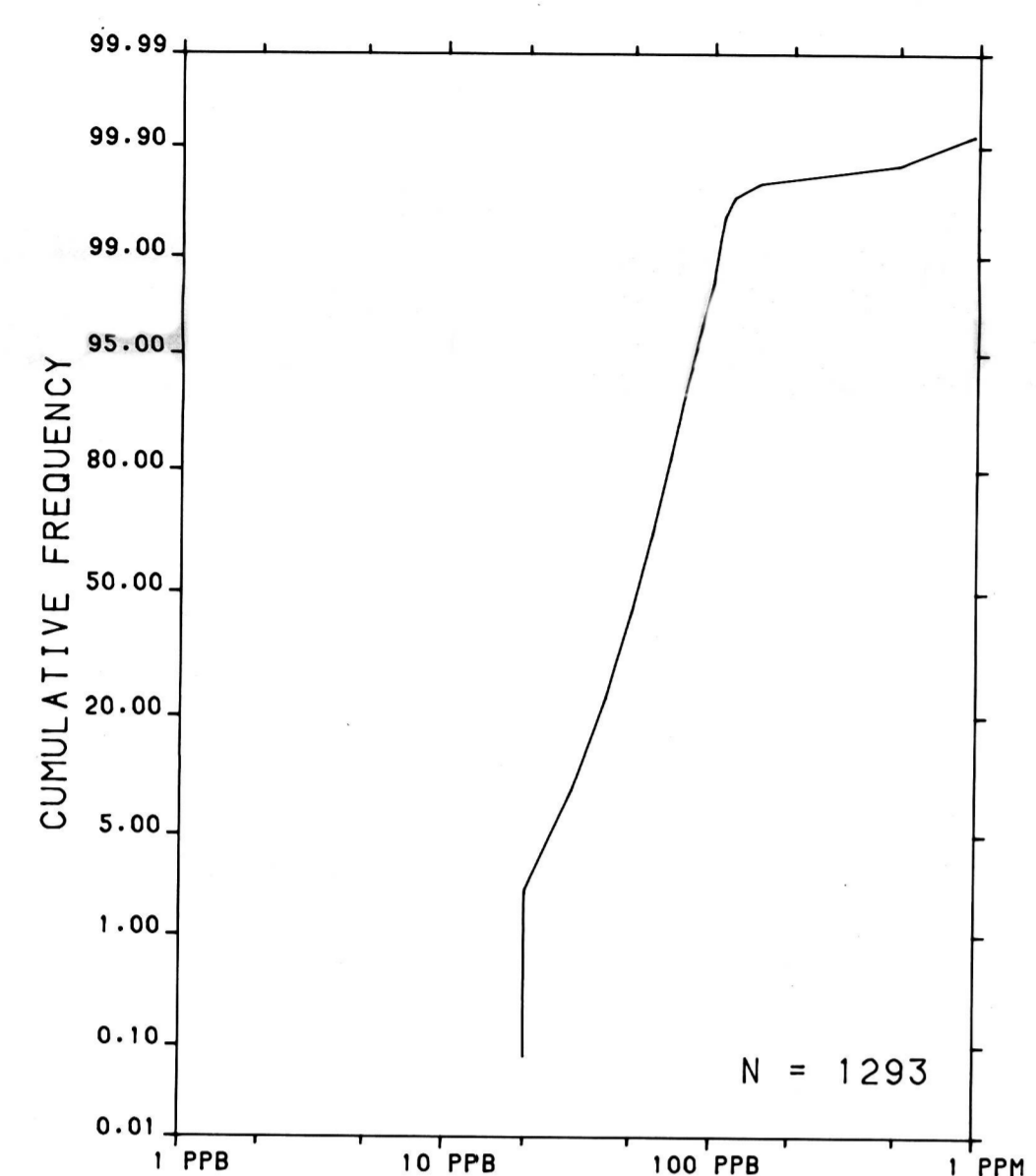
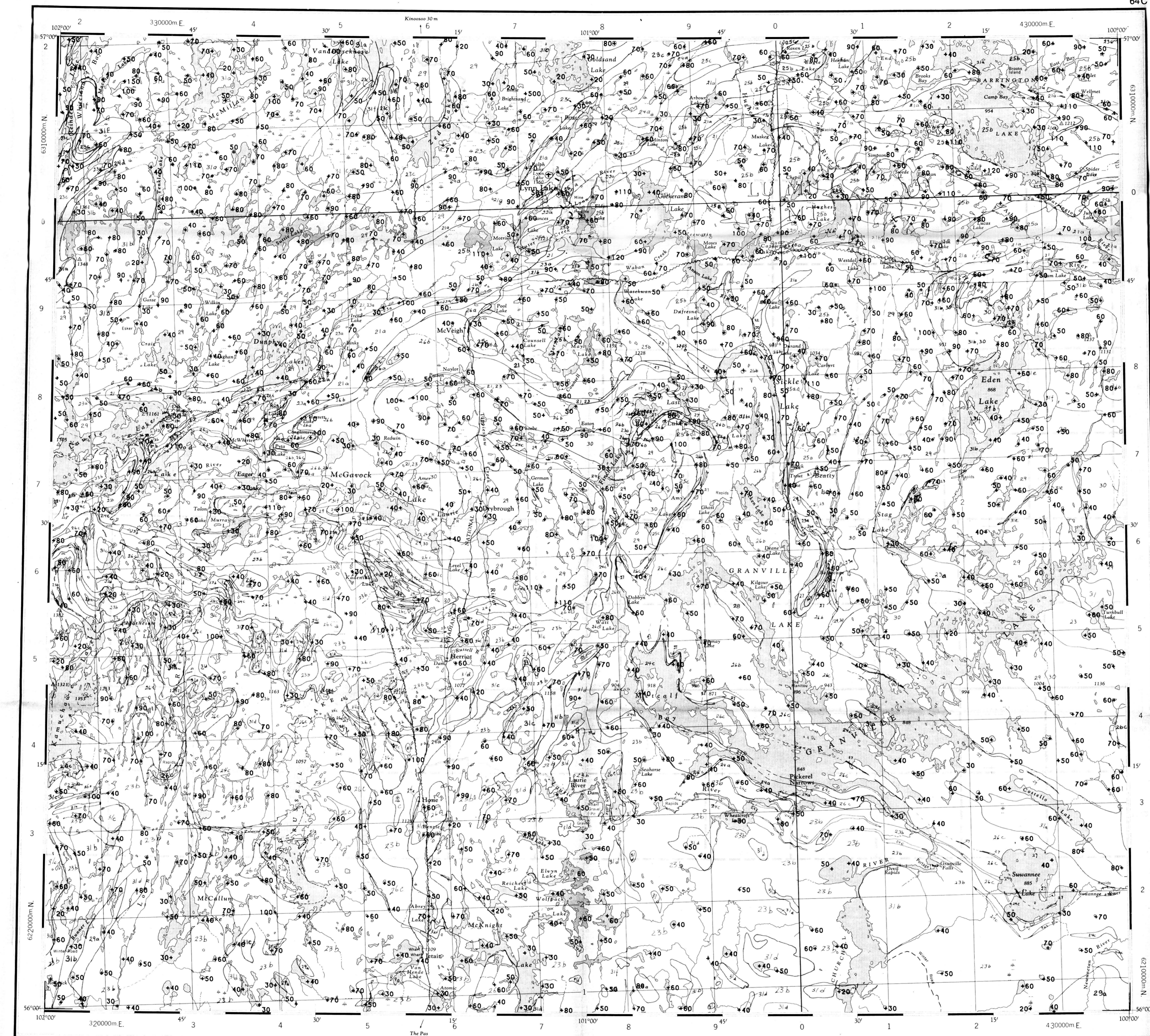
Sample collection by Wollex Exploration  
Sample preparation by Golder Associates

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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This map has been reprinted from a scanned version of the original map  
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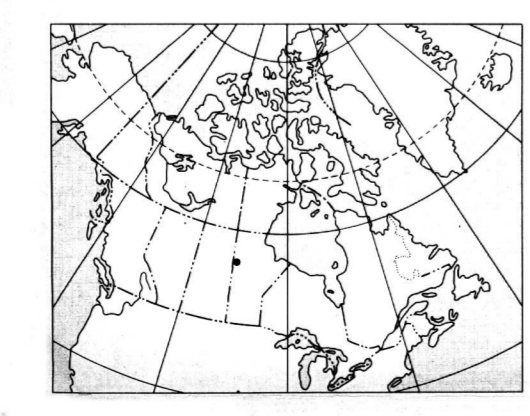


Copies of map material and listings of field observations and analytical data, from which the material was prepared, may be available at users expense by application to:

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

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**MERCURY (ppb)**  
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

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

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

