

Geological Survey of Canada
 Resource Geophysics and Geochemistry Division
 and
 Manitoba Department of Energy and Mines
 Mineral Resources Division

CONTRACTORS

Sample collection by Marshall Macklin Monaghan Ltd., Toronto
 Sample preparation by Golder Associates, Ottawa

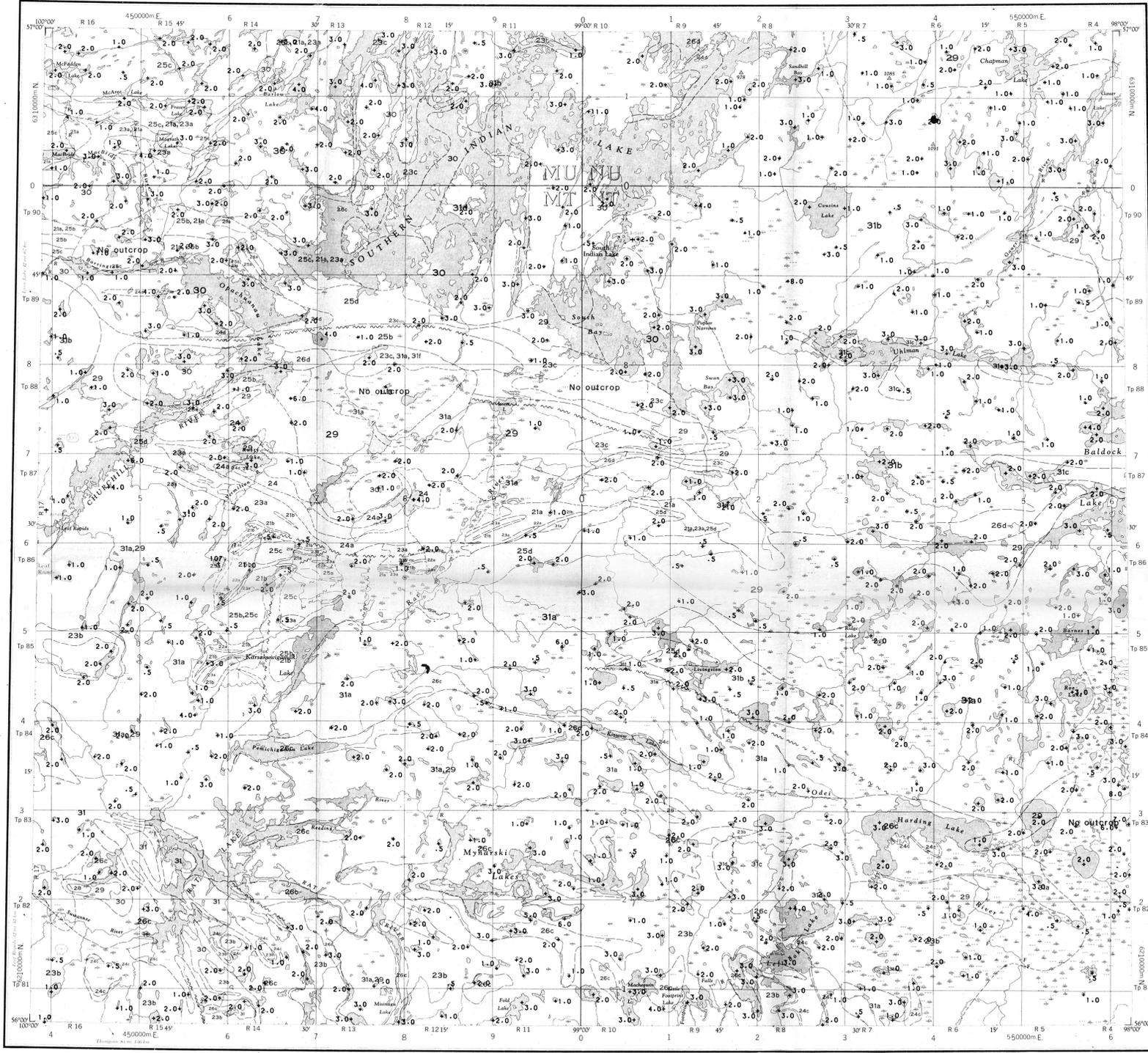
Sediment chemical analysis by Barringer Magenta Ltd., Rexdale, Ontario
 Water chemical analyses by Barringer Magenta Laboratories (Alberta) Ltd., Calgary

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

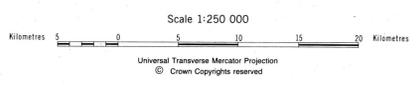
The data are also available in digital form. For further information please contact:

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

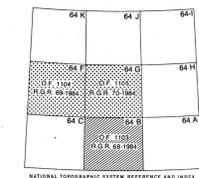


Elevation in feet above mean sea level

Mean magnetic declination 1985, 9°08' East, decreasing 21.3' annually. Readings vary from 7°44' in the NE corner to 10°25' in the SW corner of the map area



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



LEGEND

Note: This legend is common for Regional Geochemical Reconnaissance Map 68-1984, Open File 1103.

PROTEROZOIC (APHEBIAN)

31	GRANITIC INTRUSIVE ROCKS, POST-SICKLE (HUDSONIAN) (AH1a to AH1f)* 31a-granite (AH1a); 31b-granodiorite, tonalite; 31c-megacrystic granite; 31d-granite, granodiorite + muscovite; 31e-leucogranite, tonalite; 31f-monzonite, syenite; 31g 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 (AH1j)	
28	MAFIC INTRUSIVE ROCKS, POST-SICKLE 28-gabbro, minor ultramafic rock (AH1r)	
27	BLACK TROUT INTRUSIVE SUITE 27-quartz diorite, diorite (AT1q)	
26	ARKOSIC METASEDIMENTARY ROCKS, DERIVED GNEISS 26a-conglomerate (ASac) 26b-arkosic sandstone (ASas)	SOUTHERN INDIAN GNEISS 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 (AP1t) 25c-granite (AP1g), 25d-gabbro-quartz diorite (AP1d)	25d-felsic, minor mafic gneiss (age unknown) (A1mt)
24	WASEKWAN or SICKLE GROUP AMPHIBOLITE, CALC-SILICATE ROCK, METASEDIMENTARY ROCKS 24a-conglomerate, gneiss (AGmc), 24b-felsic gneiss (AGmf) unconformable?	GNEISSIC ROCKS OF PROBABLE WASEKWAN AGE 24c-mafic gneiss, volcanic rock 24d-amphibolite, tuff (A1ma) conformable
23	WASEKWAN GROUP METASEDIMENTARY ROCKS 23a-gneiss, conglomerate, mafic mudstone (AWsw) conformable	BURNTWOOD RIVER METAMORPHIC SUITE 23b-gneiss-derived gneiss, migmatite (ABsw) 23c-gneiss-derived gneiss and migmatite (A1sw)
22	FELSIC, INTERMEDIATE VOLCANICS 22a-dacite, rhyolite (AWvd)	
21	MAFIC, INTERMEDIATE VOLCANICS 21a-basalt, andesite (AWva) 21b-basalt (AWvb)	

Geological boundary (approximate, inferred).....
 Fault approximate or inferred.....
 Area of no outcrop.....
 No analytical result.....

* A four character mnemonic name recorded rock type as part of the 1984 field observations

Provisional Compilation map by H.W. Zwanzig,
 Manitoba Department of Energy and Mines

This map forms one of a series of maps released by the Geological Survey of Canada, Open File 1103 to 1105. Each Open File consists of maps of various geochemical variables: 16 for lake sediment, 3 for lake water and 1 sample site location