

- LEGEND
- Note: This legend is common for Regional Geochemical Reconnaissance Map 70-1984, Open File 1105
- A* Metadiorite, hornblende of possible Archean age
 - 1 Amphibolite, volcanic derived with locally preserved pillows
 - 2a Biotite-feldspar-quartz-paragneiss + garnet + granite ± muscovite
 - 2b Biotite metatextite + garnet + granite (25-75% white granitic lit)
 - 2c Biotite metatextite + garnet + cordierite
 - 3a Light grey biotite (5-10%) quartz-feldspar-gneiss + magnetite + garnet with discontinuous diorite gneiss lenses
 - 3b Light grey to dark grey biotite (5-15%) quartz-feldspar-gneiss interlayered with thin layers of amphibolite and/or hornblende-biotite bearing layers
 - 4 Calc-silicate rock
 - 5 Amphibolite, metagabbro, locally agmatitic
 - 6a Metaconglomerate
 - 6b Thin interlayered amphibolite and hornblende biotite-bearing layers
 - 6c Arkosic gneiss
 - 6d Metavolcanic rocks
 - 6e Metagreywacke
 - 7 Gneissic diorite and leucodiorite
 - 7a Biotite ± hornblende granodiorite gneiss with white granitic lit
 - 7b Gabbro
 - 8 Grey, medium to coarse grained biotite (5%) + magnetite-tonalite to quartz monzonite
 - 8a Hybrid gneiss of grey biotite-quartz monzonite and gneissic diorite
 - 9 Foliated quartz diorite + magnetite
 - 10 Biotite (15-20%) - tonalite ± garnet
 - 11a Megacrystic biotite-granodiorite
 - 11b Megacrystic biotite-hornblende ± pyroxene-granodiorite
 - 11c Coarse grained leucocratic granodiorite
 - 12 White leucocratic medium grained to pegmatitic monzogranite ± garnet
 - 13 Coarse grained to megacrystic-pyroxene-hornblende-monzonite to monzogranite with olive-brown feldspar
 - 13a Anorthositic gabbro
 - 13b Hornblende-biotite-monzonite to quartz monzonite with variegated olive-brown and pink feldspar
 - 14 Megacrystic-biotite-magnetite quartz monzonite
 - 15 Biotite ± hornblende coarse grained to megacrystic pink granite to quartz monzonite
 - 15a Biotite-hornblende granite gneiss
 - 15b Leucocratic megacrystic pink granite
 - 15c Fine grained quartz monzonite
 - 16 Magnetite-biotite-hornblende quartz monzonite
 - 17 Granite pegmatite
 - 18 Diabase
- Pyrite, chalcopyrite, galena, sphalerite, Iron Formation (approximate, assumed, gradational) *Py, *Cp, *Pb, *Sp, *I.F.
Geological boundary (approximate, assumed, gradational)
Drift covered
- * A four character mnemonic name recorded rock type as part of the 1984 field observations

Geological Survey of Canada
Resource Geophysics and Geochemistry Division
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Mineral Resources Division

CONTRACTORS

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Sample preparation by Golder Associates, Ottawa

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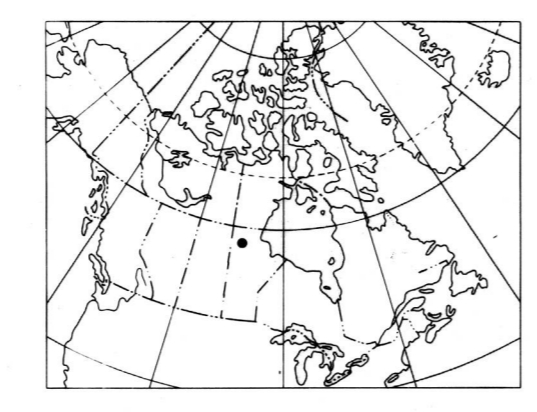
Copies of map material and listings of field observations and analytical data, from which the material was prepared, may be available at users expense by application to:

K.G. Campbell Corporation
880 Wellington St.
Bay 238
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The data are also available in digital form. For further information please contact:

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- PROGLACIAL AND GLACIAL ENVIRONMENT
- GLACIOLACUSTRINE DEPOSITS: beach and nearshore deposits: sand and gravel 1-4 m thick, forming distinct ridges
 - GLACIOLACUSTRINE DEPOSITS: deep basin deposits: silt, clay and sand, 1-30 m thick
 - GLACIOFLUVIAL DEPOSITS: gravel, sand and silt, 1-100 m thick
- GLACIAL ENVIRONMENT
- GLACIAL DEPOSITS: till: 1-5 m thick, derived primarily from Precambrian bedrock
- NONGLACIAL ENVIRONMENT
- BEDROCK
 - ORGANIC DEPOSITS: marsh, fen, swamp and bog deposits up to 6 m thick, characterized by seasonal flooding
- Striations
Flutings, drumlins, and drumlinoid ridges, oriented parallel to ice flow direction
Esker (flow direction known or inferred)



Elevation in feet above mean sea level

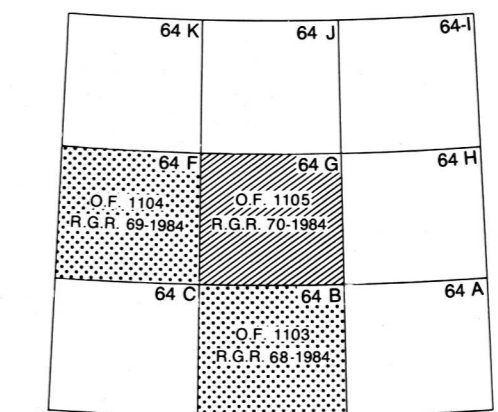
Mean magnetic declination 1985, 9°06' East, decreasing 23.1' annually. Readings vary from 7°35' in the NE corner to 10°28' in the SW corner of the map area

ANTIMONY (ppm)
GSC OPEN FILE 1105
REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 70-1984
CANADA - MANITOBA
MINERAL DEVELOPMENT AGREEMENT (1984-89)
LAKE SEDIMENT AND WATER GEOCHEMICAL SURVEY
NORTH-WEST MANITOBA, 1984

Scale 1:250 000

Universal Transverse Mercator Projection
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Base map at the same scale published by the Surveys and Mapping Branch in 1963



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

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