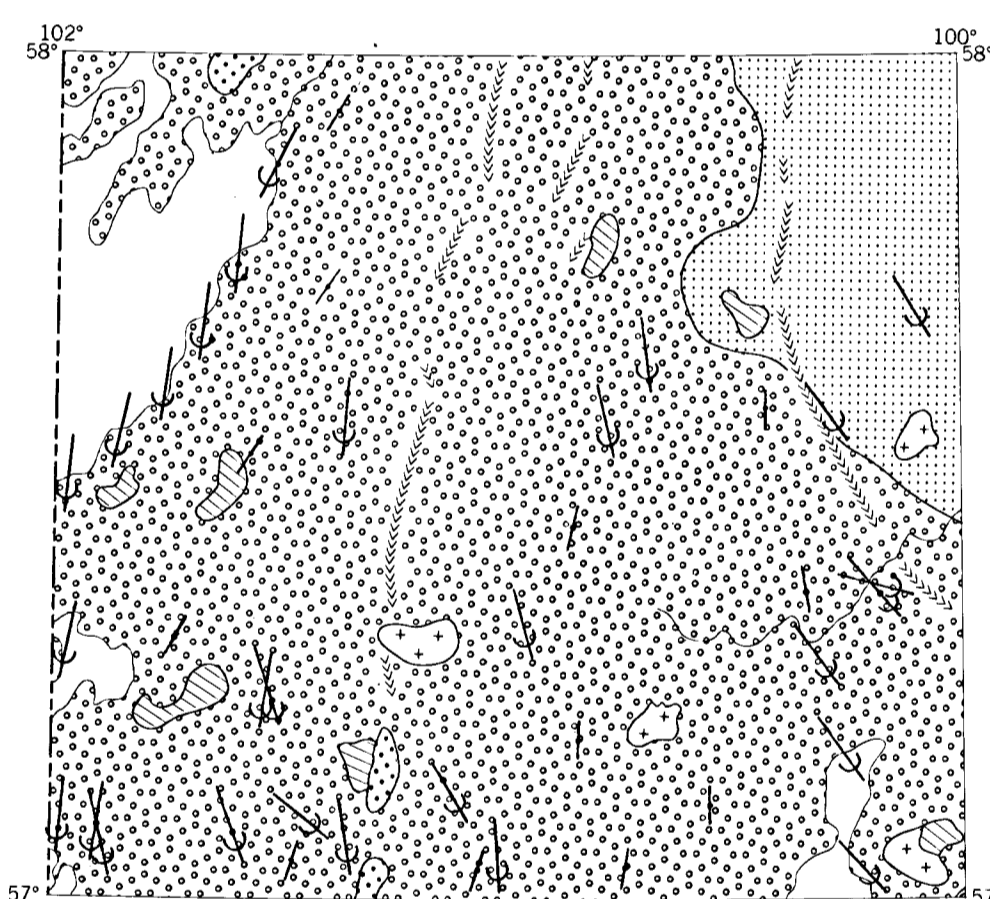


ARSENIC (PPM)  
LESS THAN 2 MICRON FRACTION



**POSTGLACIAL ENVIRONMENT**

ORGANIC DEPOSITS: marsh, fen, swamp and bog deposits up to 6 m thick.

**PROGLACIAL AND GLACIAL ENVIRONMENT**

GLACIOLACUSTRINE DEPOSITS: beach and nearshore deposits, reworked glaciofluvial deposits, sand and gravel 1-4 m thick.

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

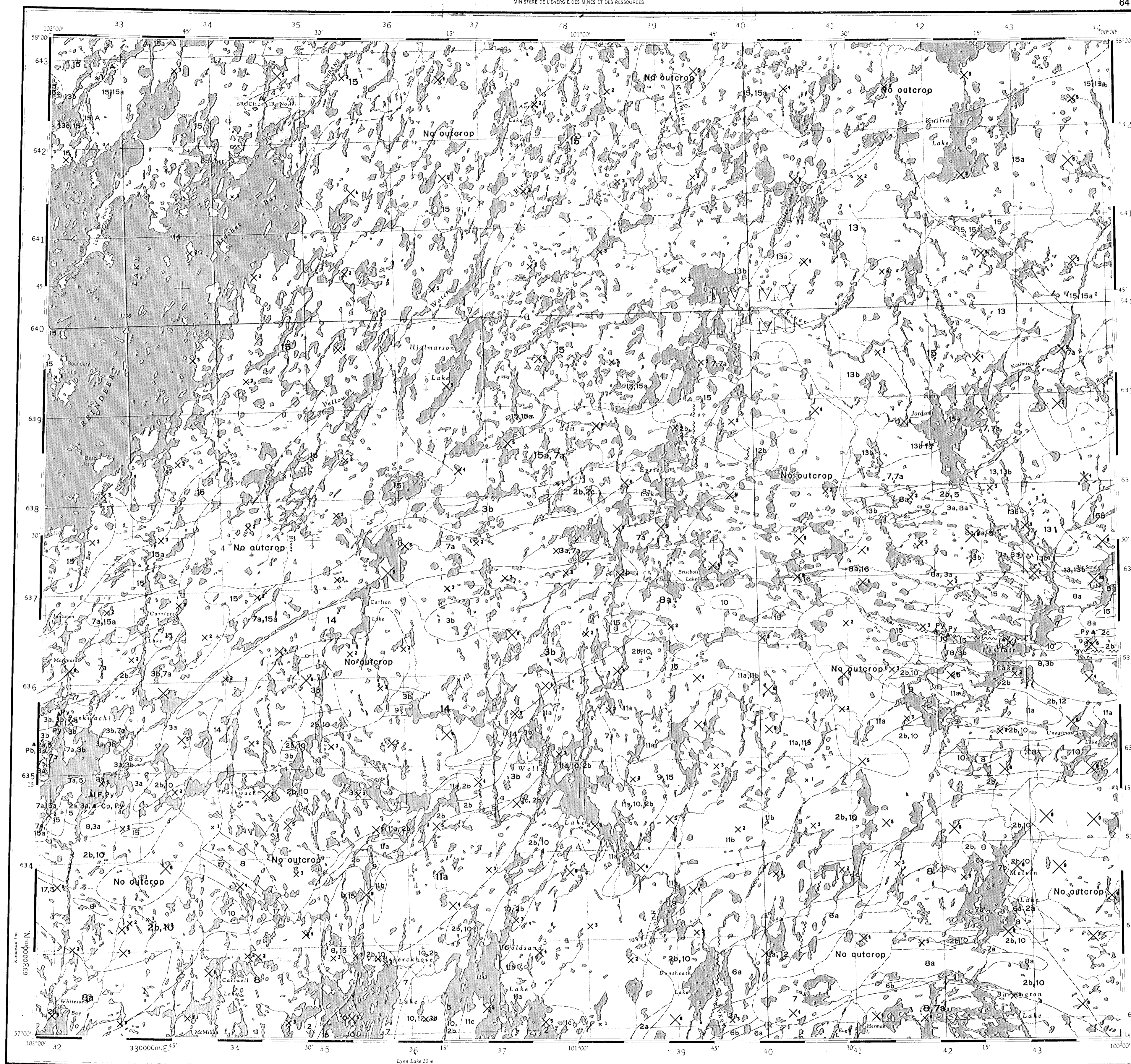
**NONGLACIAL ENVIRONMENT**

BEDROCK

Striations

Flutings, drumlins, and drumlinoid ridges, oriented parallel to ice flow direction

Esker (flow direction known or inferred)



**LEGEND**

- 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 metatexite + garnet + granite (25-75% white granitic lit)
- 2c Biotite metatexite + 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 Metacglomerate
- 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, chalcopryite, galena, sphalerite.  
Iron Formation ..... ▲ Py; ▲ Cp; ▲ Pb; ▲ Sp; ▲ I.F.  
Geological boundary (approximate, assumed, gradational) .....  
Drift covered .....

Provisional Compilation map by D.C.P. Schledewitz  
Manitoba Department of Energy and Mines

Contribution to the  
CANADA-MANITOBA MINERAL DEVELOPMENT AGREEMENT 1984-1989