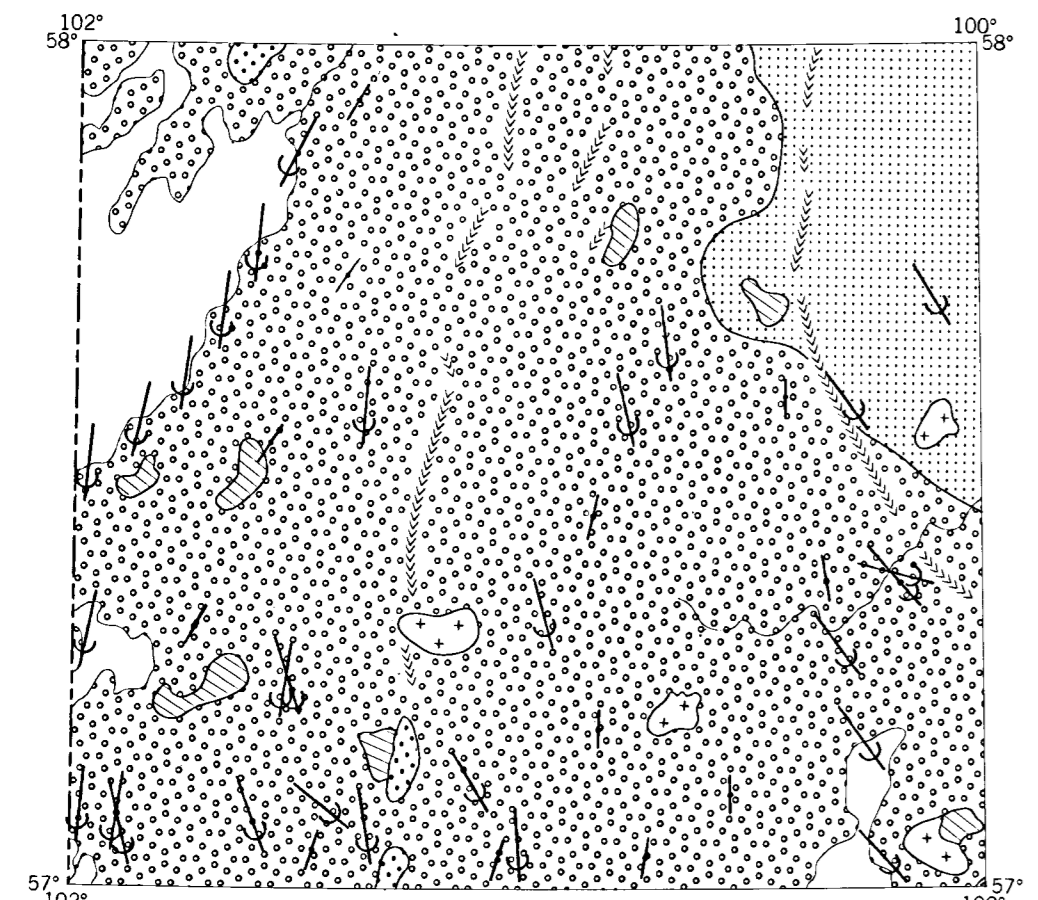
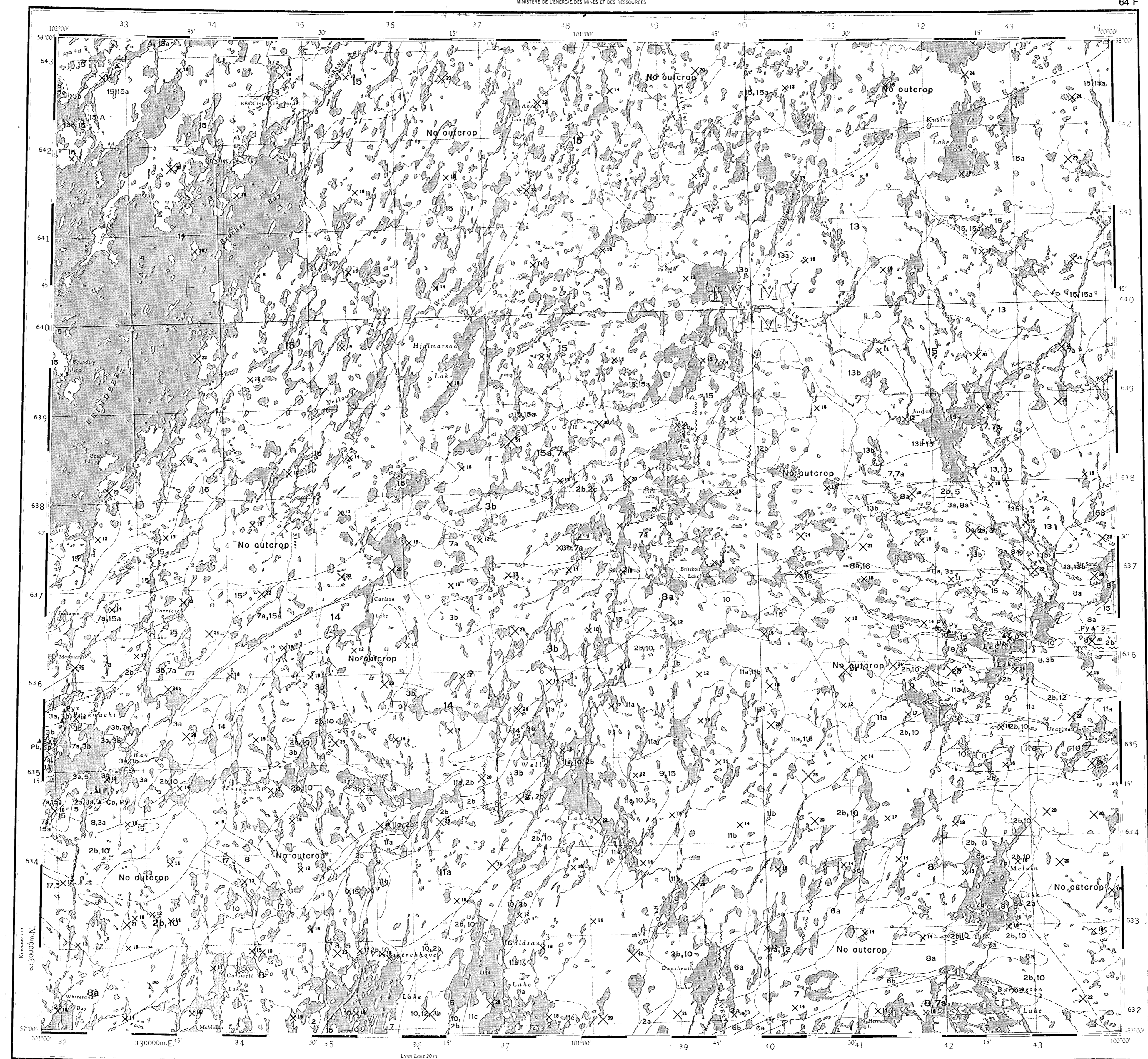


LEAD (PPM)  
 LESS THAN 2 MICRON FRACTION



- 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 glacioluvial 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) .....

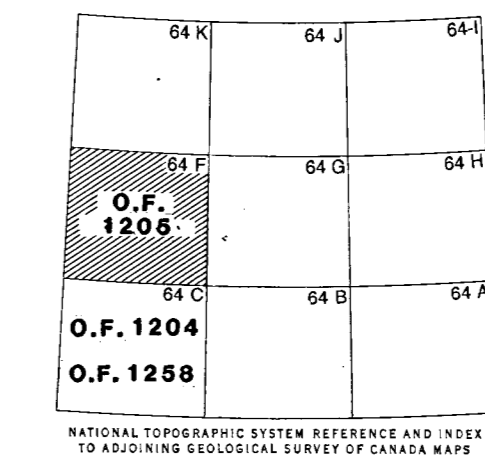
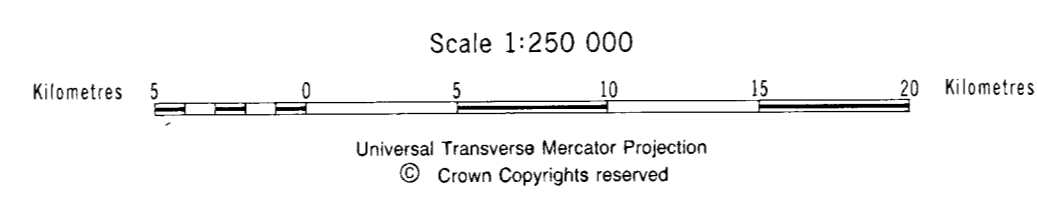


- LEGEND
- A\* Metadiorite, hornblende of possible Archean age
  - 1 Amphibolite, volcanic derived with locally preserved pillows
  - 2a Biotite-feldspar-quartz-paragneiss + garnet + granite ± muscovite
  - 2b Biotite metatextite + garnet + granite (25-75% white granitic lit)
  - 2c Biotite metatextite + 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 agmatic
  - 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 ..... ▲ 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

**TILL GEOCHEMISTRY  
 BROCHET, MANITOBA**

R.N.W. DiLabio and C.A. Kaszycki



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

Manitoba  
 Energy and Mines



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