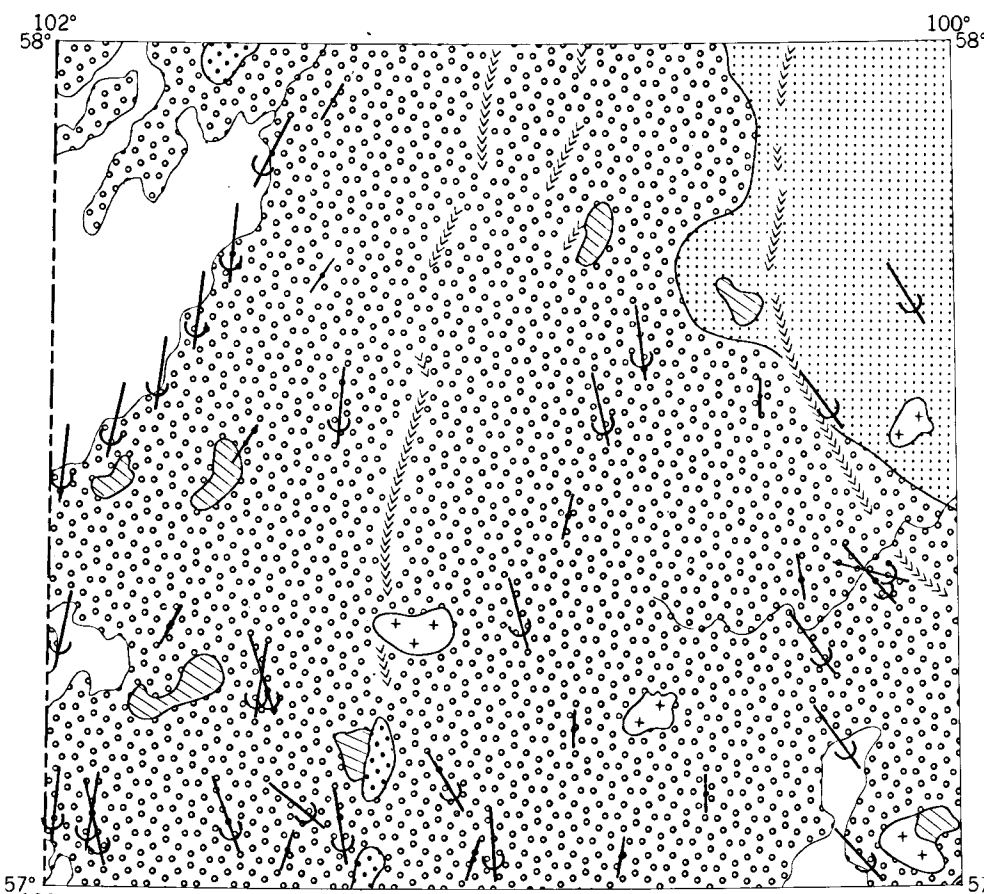
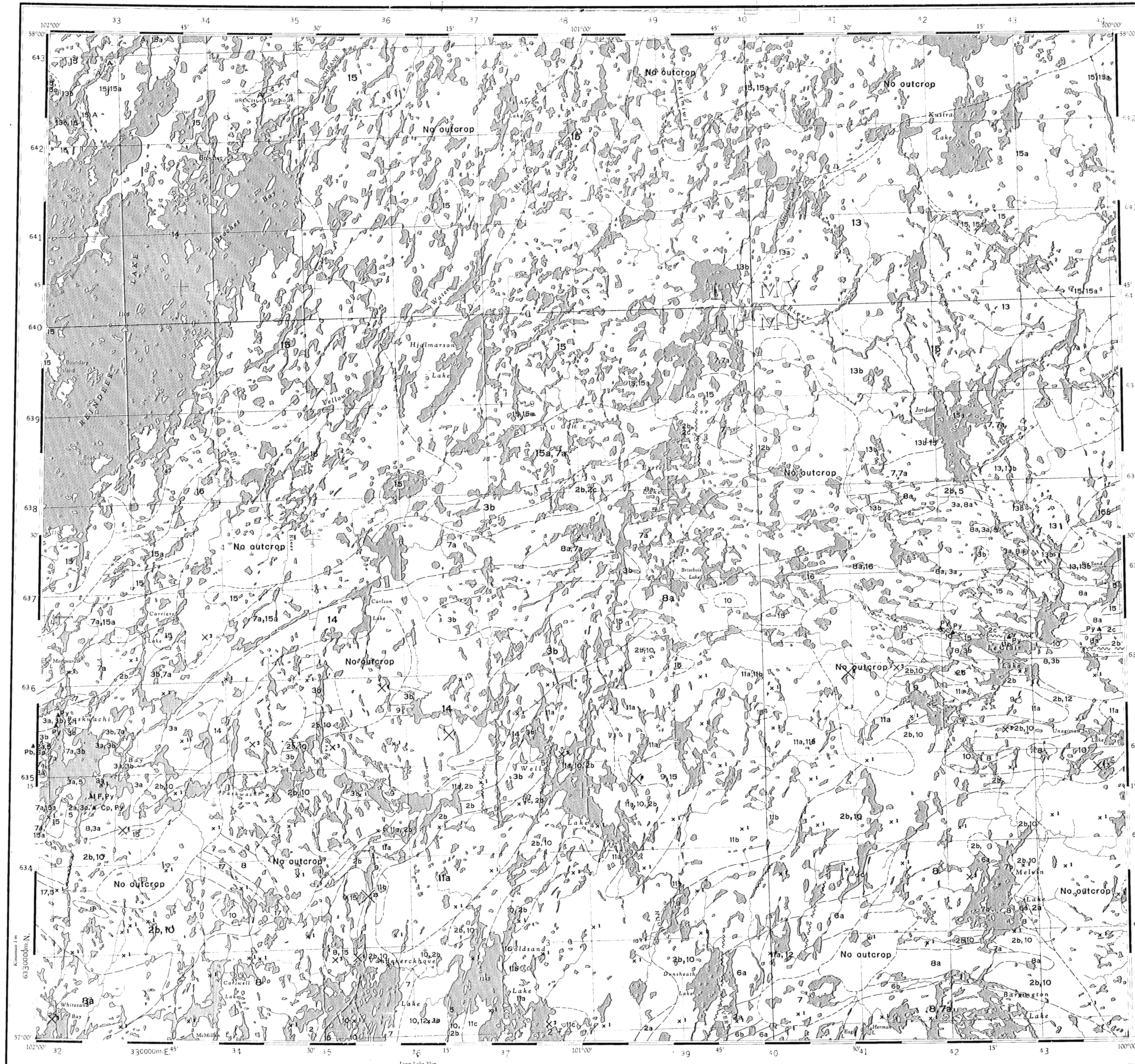


**GOLD (PPB)
 LESS THAN 63 MICRON FRACTION**



- POSTGLACIAL ENVIRONMENT**
- ORGANIC DEPOSITS: marsh, fen, swamp and bog deposits up to 8 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)

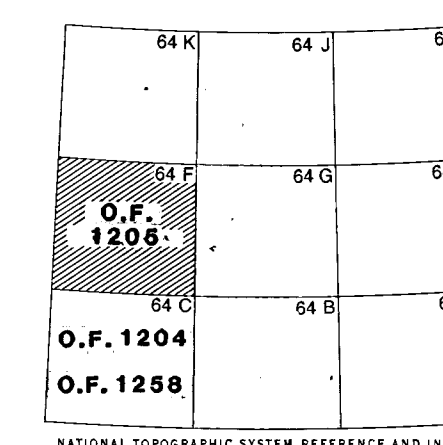
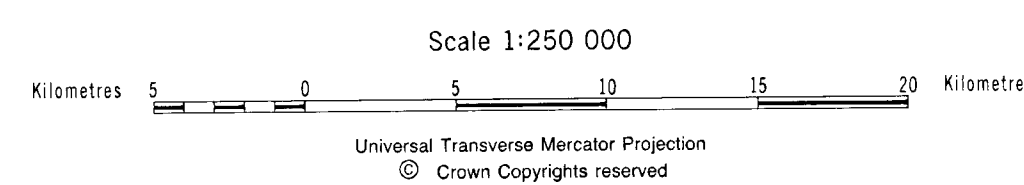


- LEGEND**
- A* Metadiorite, hornblende of possible Archean age
 - 1 Amphibolite, volcanic derived with locally preserved pillows
 - 2a Biotite-feldspar-quartz-paragneiss + garnet + granite ± muscovite
 - 2b Biotite metatexite + garnet + granite (25-75% white granitic lit)
 - 2c Biotite metatexite +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



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

Manitoba
 Energy and Mines



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