

LEGEND

PHANEROZOIC

Paleozoic

- Ordovician
- Dolomite, argillaceous dolomite

PRECAMBRIAN

KISSEYNEW DOMAIN

Early Proterozoic

Younger Plutonic Rocks

- X** Pegmatite
- Z** Aegirine-augite syenite
- 10** Granite - granodiorite; **GI** - garnetiferous leucogranite, leucotonalite; **Gb** - biotite granite - granodiorite; **Gx** - pegmatitic granite; **Gs** - granite - tonalite; **SH** - sillimanite-hematite bearing (1:1816-23/12 Ma)
- 20** Granodiorite; **Gp** - porphyritic granodiorite (2:1814-17/11 Ma); **Gb** - biotite granodiorite
- 30** Tonalite; **Tb** - biotite tonalite; **Tn** - gneissic tonalite - granodiorite; **Tng** - gneissic garnetiferous tonalite - granodiorite; (3:1841 - 35/15 Ma); **Tnb** - gneissic biotite tonalite - granodiorite
- 40** Touchbourne intrusive suite (enderbitite): **TE** - Gneissic intermediate intrusive suite (un divided) ± orthopyroxene (4:1830/17/5 Ma); **TEx** - gneissic ferroxyperthene diorite - tonalite (enderbitite); **TDb** - gneissic biotite - hornblende quartz diorite - granodiorite; **TDg** - gneissic garnet-biotite quartz diorite - granodiorite; **Tn** - biotite quartz diorite - granodiorite, strongly foliated; **TUx** - pyroxenite, gabbro

Plutonic Rocks of Uncertain Age

- Gn** Granitic gneiss
- Gn** Gneissic granodiorite
- Dm** Magnetiferous quartz diorite; **Dn** - gneissic quartz diorite
- B** Gabbro, pyroxenite

Metamorphic Rocks of Older and Uncertain Age

- N** Magnetiferous tonalitic gneiss ± hornblende ± garnet; **Herbriet Lake gneiss dome**
- nN** - magnetiferous tonalitic gneiss; **nK** - magnetiferous granitic gneiss; **nH** - hornblende - plagioclase gneiss

Misil Metamorphic Suite

- mS** - magnetiferous quartzofeldspathic gneiss with biotite + muscovite, derived from sandstone; **mSd** - with biotite + cordierite + sillimanite + garnet; **mSg** - with garnet; **mSs** - with biotite + muscovite + sillimanite; **mSh** - with hornblende + biotite
- mSk** Magnetiferous migmatite sandstone (metatexte) with < 75% mobilization
- mN** Felsic gneiss derived from rhyolite
- mNA** Amphibolite; **mNAg** - garnet amphibolite; **mNn** - hornblende-plagioclase gneiss ± garnet ± diopside

Sickle Metamorphic Suite

- sS** Magnetiferous quartzofeldspathic gneiss ± cordierite ± sillimanite ± garnet, derived from sandstone
- sS** Migmatite derived from sandstone (metatexte) with < 75% mobilization
- ssS** - Migmatite (diatexte) with > 75% mobilization; **ssSh** - with hornblende ± diopside

Metamorphic Rocks of Uncertain Age

- A** Amphibolite ± garnet; hornblende - diopside - plagioclase gneiss (undivided)

Burntwood River Metamorphic Suite

- bw** Graphitic biotite-quartz-plagioclase gneiss ± garnet, and garnet-biotite gneiss ± cordierite ± sillimanite, derived from greywacke and mudstone
- WB** - biotite gneiss ± garnet; **Wn** - staurolite schist (Duval Lake)
- w** Migmatite derived from greywacke (metatexte) with < 75% mobilization
- w** Migmatite (diatexte) with > 75% mobilization

Amisk Group

- nN** Hornblende-biotite gneiss ± garnet; biotite gneiss
- nA** Amphibolite, metavolcanic rocks

Sherridon Metamorphic Suite

- shW** Biotite-garnet gneiss
- shK** Calc-silicate rock
- shK** Marble and calc-silicate rock
- shN** Undivided supracrustal rocks, orthogneiss, garnet-cordierite-anthophyllite schist
- shA** Amphibolite - massive, layered

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Suggested reference to this publication: Manitoba Energy and Mines, 1988, Bedrock Geology Compilation Map Series, Preliminary Edition, Kissinging, NTS 63N, 1:250 000

SYMBOLS

- Geological boundary (approximate)
- Fault (defined, approximate, assumed)
- Area of little or no outcrop
- Sample locality for U-Pb zircon age determination
- Present/past mineral producer
- Important mineral property

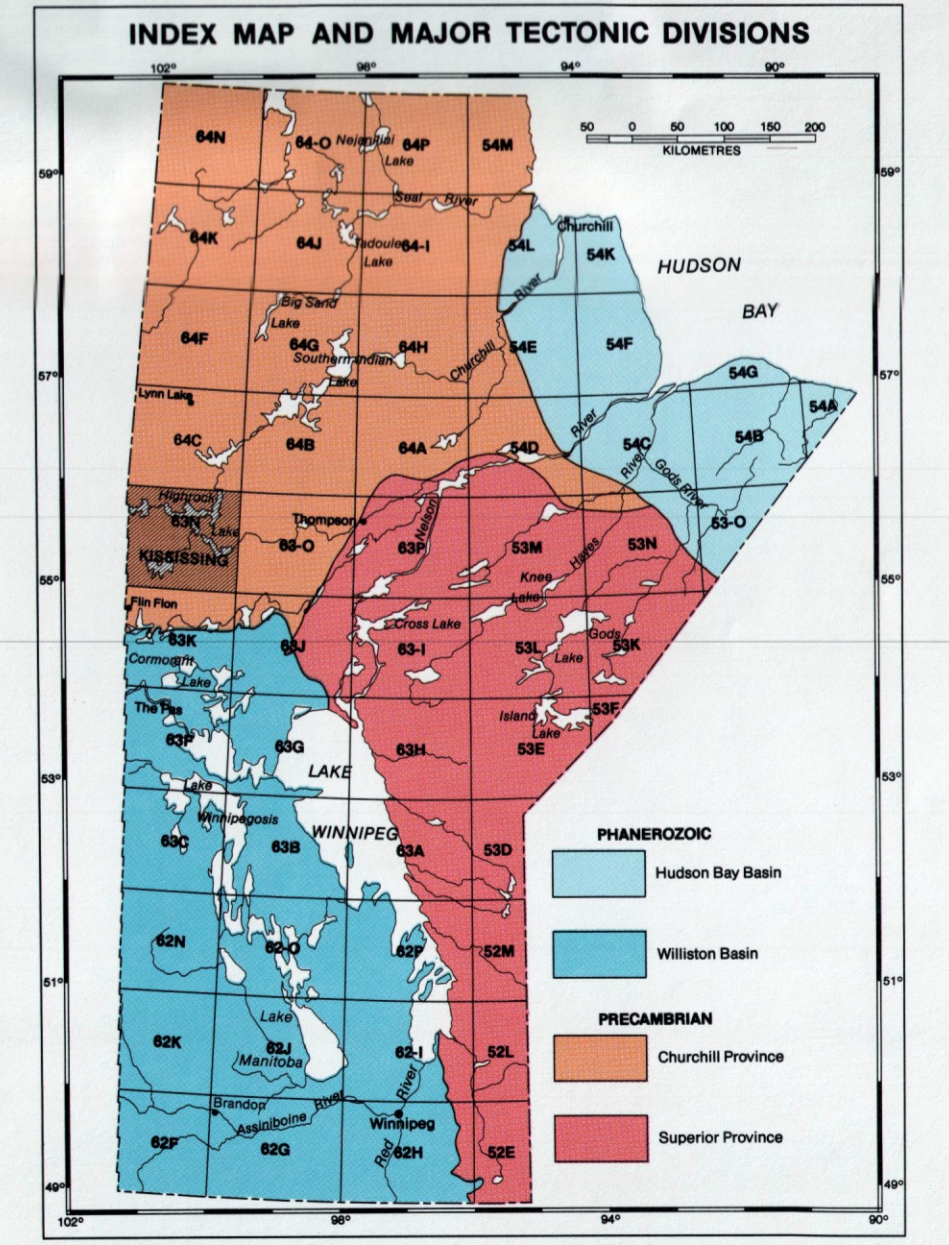
MINERAL OCCURRENCES

- 1 Evans Lake..... Au
- 2 Nokomis Lake..... Au
- 3 Puffy Lake..... Au
- 4 Jungle Lake..... Cu-Zn
- 5 Sherridon (East orebody)..... Cu-Zn-Pb
- 6 Ideal..... Cu-Zn-Pb
- 7 Sherridon (West orebody)..... Cu-Zn
- 8 Park Lake..... Cu-Zn
- 9 Bob Lake..... Cu-Zn

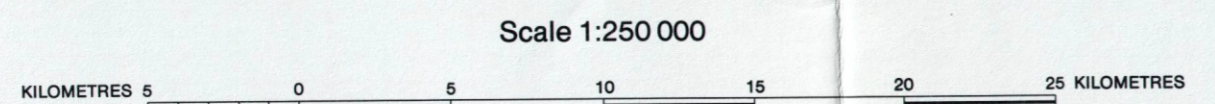
Synoptic geology by H.V. Zwanig, W.D. McRitchie, D.C.P. Schledewitz and A.H. Bailes
 Mineral occurrences compiled by G. Ostry
 Cartography by T. Franceschet and D. L. McShane

This map is a provisional compilation based, in part, on preliminary geological maps. It is not to be regarded as a final interpretation of the geology of the area.
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 PRELIMINARY EDITION
 KISSISSING
 NTS 63N**



Pantone colour base separated on Hell Chromacomb CP341 digital scanner. Legend and text formatted on an in-house desktop publisher.



Reference for U-Pb zircon ages: Gordon et al., 1987; Hunt et al., in prep.

STRATIGRAPHIC NOTE

The map units within the major stratigraphic divisions are in approximate chronological order.

Approximate mean declination (1988) for centre of map
 Decreasing 11.0' annually