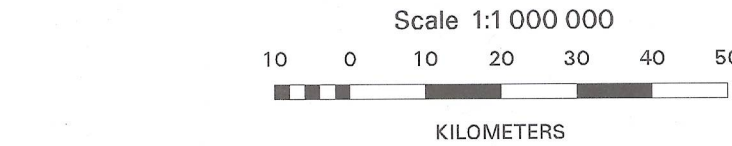


MAP ER86-1-2
REGIONAL GEOLOGY, GOLD DEPOSITS AND OCCURRENCES IN
THE NORTHERN PART OF THE SUPERIOR PROVINCE, MANITOBA
To accompany Economic Geology Report ER86-1 (2nd edition)



PALEOPROTEROZOIC
Churchill Province (Trans-Hudson orogen)

- 31 Granite, granodiorite, tonalite
31b porphyritic granite
31c hypersthene-bearing granite, monzonite
31d leucogranite, tonalite
- 30 Tonalite, granodiorite
- 28 Differentiated mafic-ultramafic intrusion (Fox River sill)
- 27 Migmatite
- 26 Quartzose sandstone and derived gneisses of Sickle Group or Missi suite
26b sandstone, conglomerate
26c felsic gneisses derived from Sickle Group sandstones
- 25 Metaconglomerate
- 24 Amphibolite, mafic gneiss
24a calc-silicate gneiss and interlayered amphibolite
- 23 Greywacke and mudstone derived gneisses and migmatites of the Burntwood suite
23b psammitic and semipelite gneiss, pelitic schist, migmatite
- 21 Mafic and intermediate volcanic rocks

Churchill-Superior Boundary Zone

- 18 Granite, granodiorite
18a granite, granodiorite with inclusions of unit 15
- 17 Sedimentary and mafic-ultramafic volcanic rocks of the Fox River belt and Ospwagan Group of the Thompson belt.
17a shale, dolomitic limestone, sandstone, iron formation
17b basalt and komatiite
17c oxide facies iron formation
- 15 Layered migmatitic tonalitic gneiss largely derived from unit 7
15a Layered migmatitic gneiss and unit 7

ARCHEAN
Superior Province

- 13 Granite-granodiorite
- 12 Granodiorite-tonalite, migmatite
- 11 Sandstones, conglomerates of the Island Lake, Oxford Lake and Cross Lake Group
- 10 Mafic to felsic shoshonitic volcanic and derived sedimentary rocks of the Oxford Lake Group
- 9 Migmatite gneiss, commonly with amphibolite
- 8 Tonalite, minor granodiorite
8a tonalitic to granodioritic gneiss
8b undifferentiated granitic rocks
- 7 Felsic granulites, enderbitic gneiss, with mafic inclusions
- 6 Metasedimentary rocks
- 5 Amphibolite
5a mafic and minor ultramafic granulite, iron formation, quartzite, calc-silicate rocks
- 4 Gabbro
4a diorite
4b anorthosite
- 3 Metagreywacke, mudstone, quartzose sandstones, conglomerate, iron formation
- 2 Felsic to intermediate, mainly pyroclastic metavolcanic rocks of the Hayes River and Pipestone River Group
- 1 Mafic and minor ultramafic metavolcanic rocks of the Hayes River and Pipestone Lake Group

- Domain boundary
- Deformation zone, fault
- Gold deposit; occurrence

