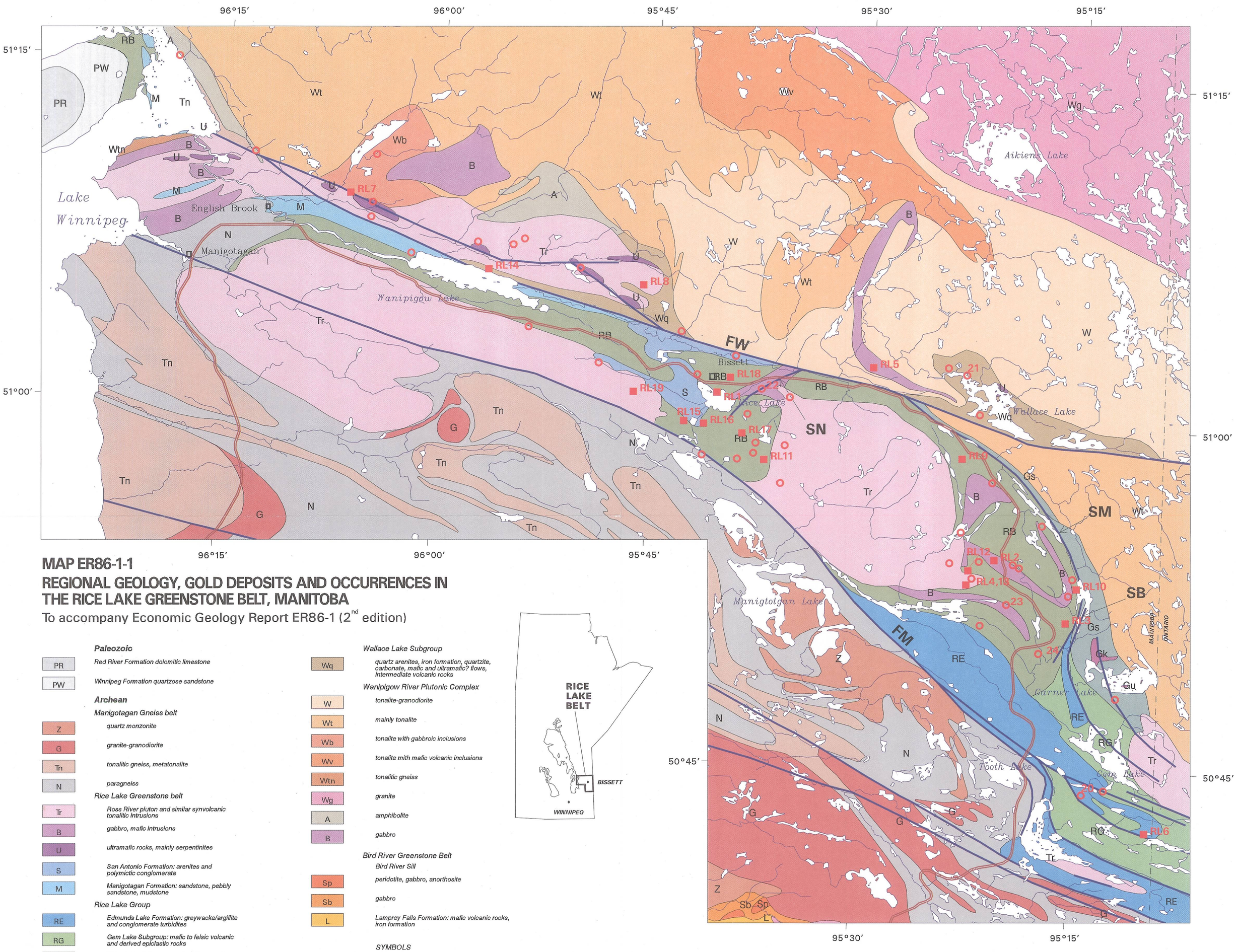
MAP ER86-1-1

REGIONAL GEOLOGY, GOLD DEPOSITS AND OCCURRENCES IN THE RICE LAKE GREENSTONE BELT, MANITOBA

To accompany Economic Geology Report ER86-1 (2nd edition)



Paleozoic

- PR — *Red River Formation dolomitic limestone*
- PW — *Winnipeg Formation quartzose sandstone*

Archean

Manigotagan Gneiss belt

- Z — *quartz monzonite*
- G — *granite-granodiorite*
- Tn — *tonalitic gneiss, metatonalite*
- N — *paragneiss*

Rice Lake Greenstone belt

- Tr — *Ross River pluton and similar synvolcanic tonalitic intrusions*
- B — *gabbro, mafic intrusions*
- U — *ultramafic rocks, mainly serpentinites*
- S — *San Antonio Formation: arenites and polymictic conglomerate*
- M — *Manigotagan Formation: sandstone, pebbly sandstone, mudstone*

Rice Lake Group

- RE — *Edmunds Lake Formation: greywacke/argillite and conglomerate turbidites*
- RG — *Gem Lake Subgroup: mafic to felsic volcanic and derived epiclastic rocks*
- RB — *Bidou Lake Subgroup: mafic to intermediate volcanic and derived epiclastic rocks (including Manigotagan River Formation)*

Garner Lake Subgroup

- Gs — *mafic to intermediate volcanic rocks, iron formation*
- Gk — *komatiite and komatiitic basalt, iron formation*
- Gu — *stratiform mafic-ultramafic intrusion*

Wallace Lake Subgroup

- Wq — *quartz arenites, iron formation, quartzite, carbonate, mafic and ultramafic? flows, intermediate volcanic rocks*

Wanipigow River Plutonic Complex

- W — *tonalite-granodiorite*
- Wt — *mainly tonalite*
- Wb — *tonalite with gabbroic inclusions*
- Wv — *tonalite mith mafic volcanic inclusions*
- Wtn — *tonalitic gneiss*
- Wg — *granite*
- A — *amphibolite*
- B — *gabbro*

Bird River Greenstone Belt

Bird River Sill

- Sp — *peridotite, gabbro, anorthosite*
- Sb — *gabbro*
- L — *Lamprey Falls Formation: mafic volcanic rocks, iron formation*

SYMBOLS

- *Geological contact*
- *Fault, shear zone; FW Wanipigow fault, FM Manigotagan fault, SM Moore Lake shear, SB Beresford Lake shear; SN Normandy Creek shear*
- *Edge of Precambrian Shield*
- *Provincial Highway*
- *Gold Occurrence; Gold Deposit*

Scale 1:250 000

5 0 5 10 15 20 25

KILOMETERS

Manitoba Energy and Mines