



GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES

LEGEND

APHEBIAN(?)

- 12 Pegmatite
 - 11 Granodiorite
 - 10 Gabbro
 - 9 Tonalite
- } relative age uncertain

GNEISS DOMES

- 8 Granitoid gneisses: 8a, pink; 8b, light grey

MISSI GROUP

- 7 Metamorphosed lithic arenite; some layers of amphibolite (metamorphosed mafic sills); si quartz-sillimanite nodules

AMISK GROUP

- 6 Metamorphosed greywacke and shale; 6a calc-silicate rocks and impure marble; 6b coarse garnet schist; st staurolite, si sillimanite
- 5 Metamorphosed quartz-eye tonalite
- 4 Metamorphosed differentiated mafic intrusion: peridotite, gabbro and diorite
- 3 Metamorphosed mafic lavas, mafic pyroclastic and volcaniclastic rocks; minor amounts of felsic fragmental rocks; 3a, amphibolite; p pillows, b bedded, f fragmental
- 2 Metamorphosed altered volcanic rocks of unit 1; st staurolite, ky kyanite, si sillimanite, at anthophyllite, co cordierite
- 1 Metamorphosed felsic pyroclastic and volcaniclastic rocks; minor amounts of metamorphosed mafic fragmental rocks and layers of amphibolite; la, quartzofeldspathic gneiss; 2 quartz eyes, b bedded, f fragmental

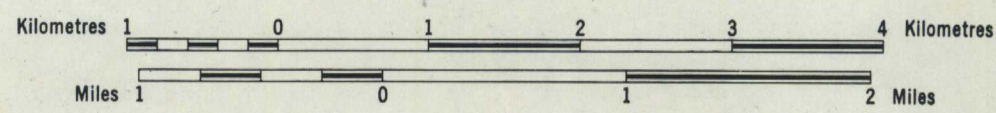
Commonly unit 1 and 3 are interlayered and essentially contemporaneous; in some localities (e.g. Chisel Lake) unit 3 is younger than unit 1.
Ages of units 4 and 5 are uncertain relative to units 6 and 7.

- Geological boundary (defined, approximate, assumed).....
- Bedding, tops known (inclined, overturned).....
- Bedding, tops unknown (inclined, vertical).....
- F₁ foliation (inclined, vertical, horizontal).....
- F₂ foliation (inclined, vertical).....
- L₂ lineation (inclined, horizontal).....
- Fault (defined, approximate, assumed).....
- Thrust fault (assumed).....
- Mineral occurrence.....
- Sulphide S
- Nickel-copper Ni Cu
- Mineral deposits.....
- Copper-zinc
- A Chisel Lake
- B Lost Lake
- C Ghost Lake
- D Joannie
- E Anderson Lake
- F Ram
- G Stall Lake
- H Linda
- I Rod
- J Osborne Lake
- Gold
- K Dick
- L Toots
- Metamorphic isograds
- biotite-sillimanite-almadine.....
- biotite-sillimanite and/or kyanite.....
- biotite-staurolite.....

Geology by E. Froese and J.M. Moore, 1970-1972. Geology of areas west of about longitude 100° 08' W and southeast of Berry Creek and Herb Bay compiled from Armstrong (1941), Frarey (1950), Harrison (1949) and Williams (1966).

GEOLOGY
SNOW LAKE AREA
MANITOBA

Scale 1:50,000



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GEOLOGICAL SURVEY
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