



Preliminary Map Number: 1973 H-13

MURRAY LAKE N.T.S. 53L/8

### Legend

- PRECAMBRIAN
- INTRUSIVE ROCKS
- \*15 Gabbro and diabase
  - \*16 Mafic gneiss, dioritic
  - \*17 Tonalite, quartz monzonitic gneiss
  - \*18 Gneiss, locally pegmatitic
  - \*19 Gabbro and diabase
  - \*20 Mafic gneiss and alluvium
  - \*21 Gneiss, locally pegmatitic
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- RAYE LAKE COMPLEX
- \*101 Gabbro and diabase
  - \*102 Mafic gneiss, dioritic
  - \*103 Tonalite, quartz monzonitic gneiss
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  - \*105 Gabbro and diabase
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- RAYE RIVER GROUP
- \*201 Gabbro and diabase
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- Units not appearing on this sheet.

### Symbols

- Geological contact (defined, approximate, assumed, underwater)
- Geological contact (gradational)
- LAYERING
- Bedding, tops known (horizontal, inclined, vertical, overturned, dip unknown)
  - Bedding, tops unknown (horizontal, inclined, vertical, dip unknown)
  - Metamorphic layering, ill-gar ill (horizontal, inclined, vertical, dip unknown)
  - Igneous layering, tops known (horizontal, inclined, vertical, dip unknown)
  - Igneous layering, tops unknown (horizontal, inclined, vertical, dip unknown)
  - Strike and dip of pillows, tops known (horizontal, inclined, vertical, dip unknown)
  - Strike and dip of pillows, tops unknown (horizontal, inclined, vertical, dip unknown)
- FOLIATION
- Orthosity (horizontal, inclined, vertical, dip unknown)
  - Schistosity (horizontal, inclined, vertical, dip unknown)
  - Cataclastic foliation (horizontal, inclined, vertical, dip unknown)
  - Fracture cleavage, strain slip cleavage (horizontal, inclined, vertical, dip unknown)
- MINOR FOLDS
- Axis (horizontal, inclined, vertical)
  - Axis plane (horizontal, inclined, vertical)
  - Symmetry (asymmetrical Z-shaped, asymmetrical S-shaped, symmetrical)
  - Asymmetrical S-fold with axis plunging 45 degrees and axial plane dipping 60 degrees. Ages of minor folds indicated by (1) or (2) etc. near the symmetry element
- LINEAR STRUCTURES
- Mineral lineation (horizontal, inclined, vertical)
  - Microconformations (horizontal, inclined, vertical)
  - Bedding axes (horizontal, inclined, vertical)
  - Deformed clasts (horizontal, inclined, vertical)
  - Bedding, million structure (horizontal, inclined, vertical)
- POINTS
- Horizontal, inclined, vertical
- FAULTS
- Fault (defined, defined with dip, approximate, assumed)
  - Lithology
- MAJOR FOLDS
- Axis trace of anticline, syncline (age unknown)
  - Axis trace of overturned anticline, syncline (age unknown)
  - Dikes, veins (defined, assumed, approximate)
  - Reef
  - Mineralization (pyrite, iron formation)
  - Diamond drill hole, bore hole
  - Rake (direction of flow assumed)
  - Boundary of drift-covered area (only in areas with heavy drift coverage)
  - Limit of geological mapping

### NOTES

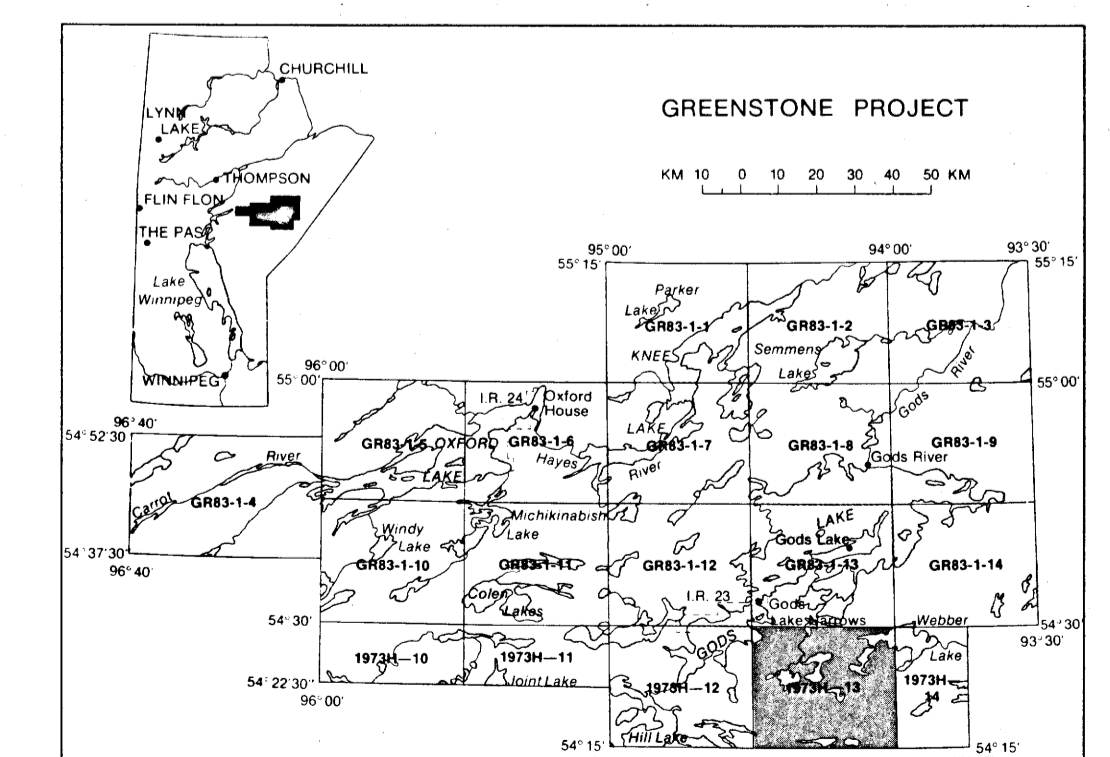
The classification of units 1 to 3 as Raye River Group and unit 15 as Oxford Lake Group is provisional as there is no continuity with the Raye River and Oxford Lake Group rocks in the Oxford Lake Lake-Gods Lake area to the north (Elbers, report GR83-12).

The Raye Lake Complex, defined by Hubbert in report GR83-18, postdates the Raye River Group; rocks of units 1 to 14 have been eroded prior to deposition of the Oxford Lake Group.

All rocks have been metamorphosed, except for some dykes of unit 15, but the prefix "meta" has been omitted from the units.

This preliminary map has not been changed from the original version published in 1973. It is printed directly from the geologist's manuscript and is not to be regarded as a final interpretation of the geology of the area.

Geology by B. Marten and F.J. Elbers, 1973



Scale 1:50 000

Reference: Geological Services Branch, Mineral Resources Division, Winnipeg. To accompany Geological Reports GR83-1C and GR83-1D.