

Legend



PRECAMBRIAN	INTRUSIVE ROCKS
19 Gabbro and diabase	
*18 Mylonite, blastomylonite	
*17 Tonalitic quartz monzonitic gneiss	
*16 Granodiorite to granite, locally pegmatitic	
OXFORD LAKE GROUP	
*15 mafic greywacke and siltstone	
*14 mafic greywacke and siltstone, protoquartzite and feldspathic greywacke, minor argillite and chert	
*13 mafic greywacke and siltstone, locally polymictic conglomerate	
BAYLY LAKE COMPLEX	
*14 Lampophyre	
*13 quartz and/or feldspar porphyry dykes	
*12 quartz eye granodiorite	
*11 massive and foliated pink to grey granite and granodiorite	
12 Porphyritic and pegmatitic leucogranite, in places foliated	
*11 Gneissoid gabbro and diabase	
*10 Tonalite-granodiorite quartz monzonite complex	
9 Tonalite-granodiorite gneiss	
8 Homogeneous grey granodiorite, porphyritic locally	
7 Tonalite-granodiorite, locally gneissoid, with rafts and enclaves of units 1 and 3e	
6 Migmatitic gneissoid tonalite complex	
5 Rhyolite porphyry	
4 metagabbro	
*3 serpentinitized peridotite, serpentinite	
HAYES RIVER GROUP	
3 slate, chert, tuff and lapilli tuff in minor layers	
*2 sulphide iron formation	
*1 rhyolite and dacite; massive and flow brecciated	
*1 intratuffaceous conglomerate	
*1 acid to intermediate tuffs and pyroclastic breccias, minor rhyolite	
*1 basic crystal tuff, lapilli tuff and agglomerate, minor basalt, minor greywacke	
*1 greywacke and tuffaceous sediments	
*1 greywacke and tuffaceous sediments with undifferentiated mafic flow and agglomeratic units	
*1 amygdaloidal basalt with dacite, dacitic agglomerate and greywacke units	
*1 fine grained amphibolitic schist	
*1 foliated medium grained amphibolite	
*1 massive and pillowed andesite	
*1 massive and pillowed porphyritic basalt	
*1 massive and pillowed basalt and andesite; minor gabbro and minor basic tuffs	
*1 oxide iron formation	
*2 quartz wacke and protoquartzite	
*1 tonalitic conglomerate	
1 Layered grey tonalitic gneiss with concordant amphibolite units	

*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, top and base (horizontal, inclined, vertical, dip unknown)	
Igneous layering, tops unknown (horizontal, inclined, vertical, dip unknown)	
Strike and dip of pillows, tops known (horizontal, inclined, vertical, overturned, dip unknown)	
Strike and dip of pillows, tops unknown (horizontal, inclined, vertical, dip unknown)	
FOLIATION	
Gneissosity (horizontal, inclined, vertical, dip unknown)	
Schistosity indeterminate (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)	
Axial plane (horizontal, inclined, vertical)	
Symmetry (asymmetrical Z-shaped, asymmetrical S-shaped, symmetrical)	
LINEAR STRUCTURES	
Mineral lineation (horizontal, inclined, vertical)	
Microconcretions (horizontal, inclined, vertical)	
Boudin axes (horizontal, inclined, vertical)	
Deformed clasts (horizontal, inclined, vertical)	
Roading, mullion structure (horizontal, inclined, vertical)	
JOINTS	
Horizontal, inclined, vertical	
FAULTS	
Fault (defined, defined with dip, approximate, assumed)	
Lineament	
MAJOR FOLDS	
Axial trace of anticline, syncline (age unknown)	
Axial trace of overturned anticline, syncline (age unknown)	
Dikes, veins (defined, assumed, approximate)	
Reef	
Py, I, F. Mineralization (pyrite), iron formation	
DDH Diamond drill hole, bore hole	
ESK Esker (direction of flow assumed)	
Boundary of drift covered area (only in areas with heavy drift coverage)	
Limit of geological mapping	

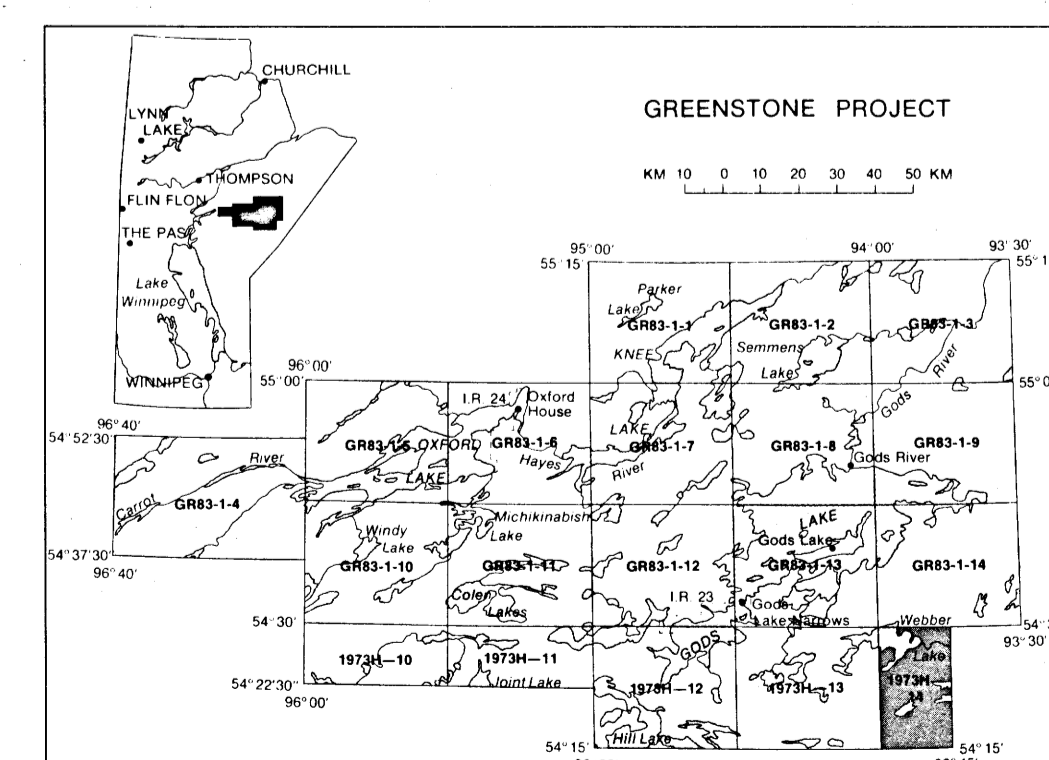
NOTES

The Bayly Lake Complex, defined by Hubert in report GR83-1A, postdates the Hayes 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 19, but the prefix "meta" has been omitted from the units.

This reprinted 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, 1973



Scale 1:50 000