















## Preliminary Map: 2001FN-1

Metadiabase or metagabbro dykes. In O or A, usually belong to Molson dyke swarm

Metagabbro, usually associated with um or occuring as subvolcanic sills Dunite (serpentinized), metaperidotite, metapyroxenite, serpentinite, derived ultramafic **s** Meta-arenite, undivided, layered to laminated, locally pebbly; magnetite-enriched, in **b** Meta-arenite, undivided, layered to laminated, biotite-rich, magnetite-enriched, locally h2 Meta-arenite, interbedded with a metaconglomerate cp h1 Meta-arenite, usually hornblende- and garnet-enriched **cp** Metaconglomerate, polymictic, rich in mafic fragments, interbedded with meta-arenite **B** BURNTWOOD GROUP, undivided; greywacke-mudstone metaturbidite, garnet- and graphite-enriched, locally cordierite- and sillimanite-bearing; includes migmatitized derivatives **Ba** Bah Lake assemblage, undivided; metabasalt flows, pillowed or massive, local breccia; derived amphibolite; metagabbro - diabase subvolcanic sills; picrite sills; minor interflow **pp** Metapicrite or porphyroblastic metapicrite sill (not limited to the Bah **gb** Metagabbro, subvolcanic sill (not limited to the Bah Lake assemblage) Setting Formation, undivided; feldspathic quartzite and metapelite interlayered in varying proportions in a metaturbidite sequence containing calc-silicate "concretions"; quartzoze greywacke; rare occurrences of multiple layers of quartz-rich, oligomictic conglomerate grading upwards to sandstone - siltstone - shale **cc** Cummingtonite - cordierite schist, layered, a single occurrence at P Pipe Formation, undivided; iron formation, chert, metapelite schist; minor semipelite, Sequence of silicate and oxide facies iron formations, sulphidic; chert; minor dolomite marble, calc-silicate; near the top sandstone - pelite metaturbidite dm Dolomite marble intercalation enclosed in silicate facies iron formation **si** Iron formation, silicate facies, stratigraphic position unknown unless se Iron formations of several facies occuring close together if Iron formation, facies unspecified, stratigraphic position unknown **P2** Metapelite schist with sulphide facies iron formation near its top; minor calc**su** Iron formation, sulphide facies, stratigraphic position unknown unless **si** Iron formation, silicate facies, stratigraphic position unknown unless **su** Iron formation, sulphide facies, stratigraphic position unknown unless determined by its host P1 or P2 Thompson Formation, undivided; marlstone or marble, layered, varied in composition **M2** Semipelite schist, rhythmically layered, calc-silicate layer near the top; pegmatite segregations in high grade metamorphic derivatives M1 Basal metaconglomerate, sandstone, shale; graded beds, fining upwards ARCHEAN BASEMENT MIGMATITE - GNEISS, undivided, retrogressed, leucogranite to diorite in composition, host to distinct bodies of orthogneiss (1 to 6), ages uncertain

5000 7500 Meters 63J/15 PAKWA LAK 63J/10 MUHIGAN LAKI 2001FN-1

Suggested reference:

2001: THOMPSON NICKEL BELT GEOLOGY; Manitoba Geological Survey, Preliminary Map 2001FN-1, Geology of Muhigan Lake (63J/10), scale 1 : 50 000.

Map projection: Universal Transverse Mercator, Zone 14, North American Datum 1983.