















## Preliminary Map: 2001FN-3

## Geology of the Pistol Lake area (630/2)

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

**gb** Metagabbro, usually associated with um or occuring as subvolcanic sills Dunite (serpentinized), metaperidotite, metapyroxenite, serpentinite, derived ultramafic schist; usually as sills in Ospwagan Group sequence **s** Meta-arenite, undivided, layered to laminated, locally pebbly; magnetite-enriched, in s1 Metasandstone, crossbedded, locally pebbly **b** Meta-arenite, undivided, layered to laminated, biotite-rich, magnetite-enriched, locally **b1** Metasandstone, layered to laminated, pebbly 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 **Bw** Metagreywacke - mudstone paragneiss, garnet- and biotite-rich 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 **OX** Iron formation, oxide facies, found only in P3 **si** Iron formation, silicate facies, stratigraphic position unknown unless determined by its host P1 or P3 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 determined by its host P1 or P2 Sequence of iron formations and associated chert layers **si** Iron formation, silicate facies, stratigraphic position unknown unless determined by its host P1 or P3 **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 **T3** Olivine - phlogopite - diopside marble, coarse grained T1 Marlstone, laminated to thinly layered; dolomite marble **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

7500 Meters 1:50000 63J/15 PAKWA LAKI 2001FN-2 63J/10 MUHIGAN LAKE 2001FN-1

Suggested reference:

from un-rectified airphotos and thus is subject to distortion. No attempt was made to remove this distortion for this

preliminary release.

TNB Geology Working Group 2001: THOMPSON NICKEL BELT GEOLOGY; Manitoba Geological Survey, Preliminary Map 2001FN-3, Geology of the Pistol Lake area (63O/2), scale 1 : 50 000.

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