



Legend

- Paleoproterozoic**
- 9 Tectonite: mafic to felsic in composition
- Late intrusive suite**
- 8 Quartz-feldspar porphyry, feldspar porphyry and pegmatite/aplite
- Post-Sickle intrusive suite**
- 7 Quartz diorite, tonalite and granodiorite (1847 to 1829 Ma⁽¹⁻²⁾)
- Sickle group**
- 6 Sedimentary rocks: arkosic sandstone and polymictic conglomerate (1836 ±16 to ca. 1860 Ma⁽³⁻⁴⁾)
 - 6a Arkosic sandstone, quartz pebbly sandstone
 - 6b Polymictic conglomerate with minor pebbly sandstone
- Pre-Sickle intrusive rocks**
- 5 Quartz diorite, tonalite, granodiorite, granite (1891 ±1 to ca. 1870 Ma^(1,3-5)) and associated pegmatic and aplitic dikes
 - 4 Gabbro and minor diorite
- Wasekwan group**
- 3 Sedimentary rocks intercalated with minor volcanic sedimentary rocks
 - 3a Argillite, siltstone and greywacke
 - 3b Mafic to intermediate tuffaceous sandstone to tuff
 - 3c Volcanic mudstone, siltstone, volcanic sandstone and minor volcanic conglomerate
 - 2 Mafic to intermediate volcanic rocks, and synvolcanic intrusive rocks
 - 2a Diabase and gabbro
 - 2b Porphyritic basaltic andesite
 - 2c Plagioclase-phyric basalt and aphyric basalt
 - 2d Pillow basalt
 - 1 Volcaniclastic rocks with minor volcanic rocks and volcanic sedimentary rocks
 - 1a Felsic (1891 ±2 Ma⁽¹⁾) to intermediate volcanic and volcaniclastic rocks
 - 1b Intermediate tuff breccia, lapillistone, lapilli tuff and tuff
 - 1c Mafic lapillistone, lapilli tuff, tuff, amphibolite, minor mafic mudstone and derivative garnet-biotite schist
 - 1d Mafic tuff breccia and volcanic breccia

⁽¹⁾ Beaumont-Smith and Böhm, 2003; ⁽²⁾ Turek et al., 2000; ⁽³⁾ Lawley et al., 2020; ⁽⁴⁾ Beaumont-Smith et al., 2006; ⁽⁵⁾ Baldwin et al., 1987. Note: prefix 'meta-' is omitted in sedimentary rocks for brevity (e.g., meta-greywacke simply as greywacke).

- Boundaries**
- Contact
 - - - Contact, underwater
 - - - Fault or shear zone
 - - - Outline of tailings
- Fault/shear zones**
- DLSZ Dunphy Lake shear zone
 - MLF Mukasew Lake fault
 - PSZ Pumhouse shear zone
 - SLF Snake Lake fault
- Structural symbols**
- Bedding: facing known, overturned, facing unknown
 - Fault plane: dextral, normal
 - Fold axial plane, generation unknown
 - Fold axis, generation unknown: S-shaped, symmetric, shape unknown
 - Foliation: generation 1, 2, 3, 4, unknown
 - Gneissosity, generation unknown
 - Igneous layering, facing unknown
 - Mineral lineation
 - Pillow, overturned
 - Spaced cleavage, unknown generation
 - Vein
 - Outcrop
- Topographic symbols**
- Mine
 - Mineral deposit or occurrence
 - Power line
 - Road
 - Trail
- Mineral deposit/occurrence**
- A BAG
 - B GAL
 - C Not named
 - FM Fox mine
 - NF North Fox

Preliminary Map PMAP2022-2
Bedrock geology of the Fox mine–Snake Lake area, Lynn Lake greenstone belt, northwestern Manitoba (part of NTS 64C12)

Geology by X.M. Yang (2022)
 Cartography by H.O. Adediran

Suggested reference:
 Yang, X.M. 2022: Bedrock geology of the Fox mine–Snake Lake area, Lynn Lake greenstone belt, northwestern Manitoba (part of NTS 64C12); Manitoba Natural Resources and Northern Development, Manitoba Geological Survey, Preliminary Map PMAP2022-2, scale 1:10 000.
 This map is a provisional summary of work carried out during the summer field season and is produced directly from the geologist's manuscript. It is not to be regarded as a final interpretation of the geology of the area.

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