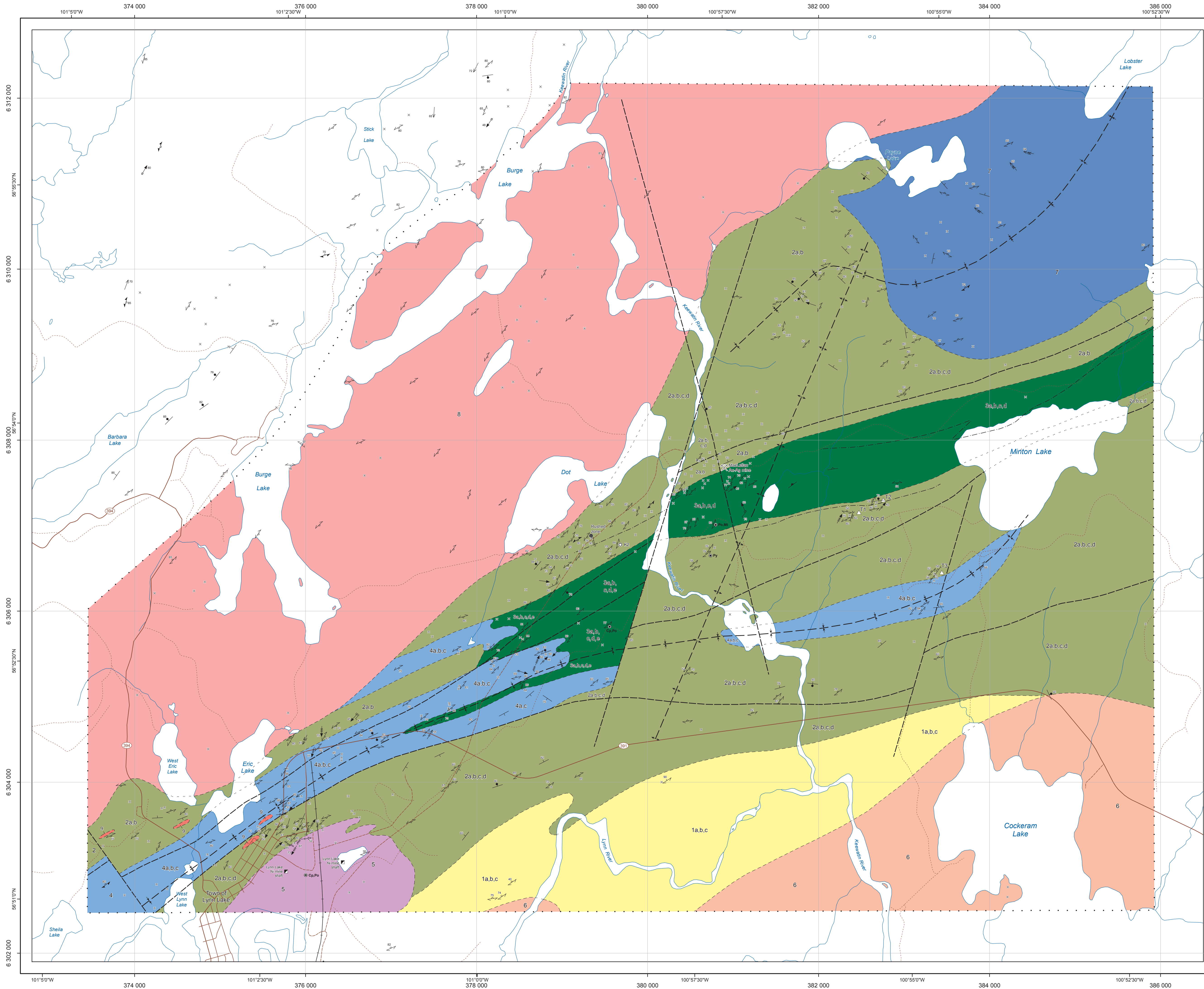




Bedrock geology of the Keewatin River area, Lynn Lake greenstone belt, northwestern Manitoba (parts of NTS 64C14, 15)



- Paleoproterozoic**
- Late intrusive suite**
 - 9 Magnetite-phyric granite dike (too small to show); quartz-feldspar porphyry; pegmatite/aplite
 - Post-Sickle intrusive suite**
 - 8 Granodiorite, and granite (1857 ± 2 Ma⁽¹⁾)
 - Ralph Lake conglomerate**
 - 7 Metasedimentary rocks: conglomerate, and greywacke
 - Pre-Sickle intrusive suite**
 - 6 Quartz diorite, granodiorite, and granite (1876 ± 8/-6 Ma⁽²⁾), and associated pegmatic and aplitic dikes
 - 5 Metagabbro (1871.3 ± 2.4 Ma⁽³⁾)
 - Wasekwan group**
 - 4 Metasedimentary rocks intercalated with minor volcanoclastic rocks
 - a Metasilstone, metasandstone, and metagreywacke
 - b Banded iron formation
 - c Volcanoclastic mudstone, volcanoclastic siltstone, and volcanoclastic sandstone
 - 3 Mafic to andesitic volcanic rocks, and synvolcanic intrusive rocks
 - a Plagioclase-phyric basalt, and aphyric basalt
 - b Diorite, pyroxenite
 - c Diabase or amphibolite dike
 - d Porphyritic basaltic andesite
 - e Mafic autobreccia
 - 2 Pyroclastic rocks, with minor volcanoclastic sediments, cherts, and iron formation
 - a Mafic tuff breccia, and pyroclastic breccia
 - b Mafic lapillistone, and mafic lapilli tuff
 - c Andesitic lapillistone, lapilli tuff, and tuff
 - d Rhyolitic lapillistone, lapilli tuff, and tuff
 - 1 Lynn rhyolite: rhyolite, dacite, and felsic pyroclastic rocks (1892 ± 3 Ma⁽⁴⁾; 1910 ± 12 Ma to 1915 ± 6.5 Ma⁽⁵⁾)
 - a Rhyolite, and dacite
 - b Felsic pyroclastic rocks
 - c Gneissic rhyolite, and gneissic dacite

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- Symbols**
- | | |
|---|---|
| Planar structure | Linear structure |
| Foliation: generation unknown, 1, 2, 4 | Stretching lineation: generation unknown, 2 |
| Bedding: tops unknown, known, overturned | Intersection lineation: generation 2 |
| Flow contact: tops unknown, known | Fold axis: generation unknown, 2, 4 |
| Crenulation cleavage: generation 4, sense unknown | Fold axis (symmetry): generation unknown |
| Gneissosity: generation unknown | Fold axis (S asymmetry): generation unknown |
| Fault: sense unknown, reverse | Mineral lineation |
| Fold axial plane: generation unknown, 4 | Rodding |
| Spaced cleavage: generation 4 | |
-
- | | | | |
|--------------------------|-----------------------|----------------------|-----------------------|
| --- Contact: approximate | × Outcrop | ● Mineral occurrence | — Provincial highway |
| --- Contact: underwater | ○ K2 occurrence | ● Cp - chalcopyrite | — Paved road |
| --- Fault | ■ Mine shaft | ● Mt - magnetite | --- Gravel road |
| --- Iron formation | ⊗ Mine site | ● Po - pyrrhotite | --- Trail |
| F ₁ Antiform | ⊗ Rushed zone | ● Py - pyrite | --- Railway |
| F ₂ Synform | △ Trench (T1, T2, T3) | | --- Transmission line |
| --- Limit of mapping | | | |

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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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