

Lynn Lake Bedrock Compilation Map 64B13

Fraser Lake, Manitoba (NTS 64B13)

A scale bar for a map at 1:50 000 scale. It features a horizontal line with five major tick marks labeled 1, 2, 3, 4, and 5 from left to right. Each tick mark is preceded by a small white square. Below the line, the word "kilometres" is written.

Legend

Sickle intrusive rocks (<1860 to 1800 Ma)

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| <p>Quartz porphyry, quartz-feldspar porphyry, tonalite, and diabase</p> <ul style="list-style-type: none"> a) Quartz porphyry, quartz-feldspar porphyry b) Fine-grained tonalite, porphyritic tonalite c) Diabase <p>Aplite, aplitic granite, pegmatite, and graphic granite</p> <ul style="list-style-type: none"> a) Aplite, aplitic granite b) Pegmatite, graphic granite <p>Granite, granodiorite</p> <p>Quartz diorite, tonalite, granodiorite, and dioritic gneiss; migmatite</p> <ul style="list-style-type: none"> a) Hornblende-biotite granodiorite b) Tonalite, quartz diorite c) Layered dioritic and quartz dioritic gneiss d) Migmatite with granitoid rocks and enclaves of units 4 to 9 <p>Gabbro, minor ultramafic rock, diabase, diorite, and plutonic breccia</p> <ul style="list-style-type: none"> a) Gabbro, minor ultramafic rock b) Diabase c) Diorite d) Plutonic breccia <p>group (~1860 to 1830 Ma?)</p> <p>Sandstone, greywacke, derived schist and gneiss</p> <ul style="list-style-type: none"> a) Arkosic sandstone, pebbly sandstone b) Muscovite-bearing arkose, pebbly arkose c) Greywacke d) Hornblende-bearing psammitic gneiss, calcareous sandstone e) Biotite-bearing psammitic gneiss f) Quartz-feldspar-muscovite schist, arkosic sandstone g) Sillimanite-bearing arkosic gneiss <p>Polymictic conglomerate with quartz-feldspar porphyry, sedimentary, volcanic and granitoid clasts</p> <ul style="list-style-type: none"> a) Conglomerate, arkose matrix b) Conglomerate, greywacke matrix±hornblende <p>wood group (~1845 to 1835 Ma)</p> <p>Greywacke, siltstone, mudstone, and minor volcanic rocks; migmatite</p> <ul style="list-style-type: none"> a) Biotite±garnet-bearing greywacke, migmatite b) Biotite-sillimanite-garnet-bearing greywacke-mudstone, migmatite <p>Ralph Lake greywacke/Ralph Lake conglomerate</p> <p>Conglomerate with sedimentary, volcanic and granitoid clasts, greywacke, siltstone, schist, and migmatite</p> <ul style="list-style-type: none"> a) Conglomerate, hornblende greywacke matrix b) Conglomerate, biotite greywacke matrix c) Biotite greywacke, siltstone, minor argillite d) Biotite±garnet-greywacke to mudstone migmatite e) Layered and massive amphibolite, calc-silicate rock <p>Amphibole intrusive rocks (<1910 to 1870 Ma)</p> <p>Granodiorite, granite, minor syenite, aplite, pegmatite, and granite gneiss</p> <ul style="list-style-type: none"> a) Granite, granodiorite b) Pegmatite, aplite c) Syenite d) Aplitic granite e) Granite and granite gneiss, massive to porphyritic; pegmatite and alaskite <p>Diorite, quartz diorite, tonalite and granodiorite, and migmatite</p> <ul style="list-style-type: none"> a) Diorite, quartz diorite b) Hornblende-biotite tonalite, quartz diorite c) Granodiorite, tonalite d) Migmatite with granitoid rocks and enclaves of units 3 to 9 <p>Gabbro, norite, diorite, ultramafic rock, diabase and related amphibolite and schist; gneiss</p> <ul style="list-style-type: none"> a) Norite, gabbronorite, minor gabbro, hornblende gabbro, biotite-hornblende gabbro b) Pegmatitic hornblende gabbro c) Amphibolite, garnet amphibolite, hornblende gneiss d) Hornblendite, biotite hornblendite e) Diabase, related amphibolite and schist f) Diorite, biotite diorite <p>Hornblende diorite and quartz diorite</p> <p>Gabbro and diabase</p> | <p>8 Sedimentary rocks and paragneiss</p> <ul style="list-style-type: none"> a) Pebbly greywacke, paraconglomerate b) Hornblende greywacke, siltstone c) Biotite greywacke, siltstone, mudstone d) Quartz-rich greywacke e) Siltstone and mafic mudstone f) Mafic mudstone, tuff, greywacke g) Argillite h) Chert i) Porphyroblastic schist j) Iron formation k) Psammitic gneiss l) Semipelitic gneiss m) Pelitic gneiss n) Sillimanite gneiss and schist o) Hornblende-plagioclase-biotite gneiss p) Migmatite <p>7 Conglomerate, pebbly mudstone, and volcanic breccia</p> <ul style="list-style-type: none"> a) Quartz-pebble conglomerate b) Conglomerate with volcanic and sedimentary clasts c) Pebbly mudstone d) Polymictic volcanic breccia, conglomerate <p>6 Rhyolite, hyaloclastite, breccia, tuff, and felsic gneiss</p> <ul style="list-style-type: none"> a) Massive aphyric rhyolite b) Massive porphyritic rhyolite c) Porphyritic breccia d) Hyaloclastite e) Tuff <p>5 Dacite, breccia, tuff, and schist</p> <ul style="list-style-type: none"> a) Massive aphyric dacite b) Massive porphyritic dacite c) Breccia d) Tuff e) Altered dacite, schist <p>4 Intermediate to felsic volcanic and volcaniclastic rocks</p> <ul style="list-style-type: none"> a) Andesite b) Porphyritic dacite c) Intermediate tuff, lapilli tuff d) Pyroclastic breccia <p>3 Mafic and intermediate volcanic rocks, amphibolite, schist and gneiss</p> <ul style="list-style-type: none"> a) Massive porphyritic and aphyric basalt and andesite b) Pillowed basalt and andesite c) Autoclastic breccia d) Polymictic breccia e) Mafic tuff f) Intermediate tuff g) Garnetiferous amphibolite h) Andesite i) Mafic to intermediate schist and gneiss j) Intermediate to felsic schist and gneiss k) Undivided amphibolite and intermediate rocks <p>2 Mafic volcanic rocks, tuff, breccia and amphibolite</p> <ul style="list-style-type: none"> a) Massive basalt b) Pillowed basalt c) Autoclastic breccia d) Porphyritic and aphyric basalt e) Tuff f) Banded amphibolite, breccia g) Mafic porphyry <p>1 Basalt, breccia, hyalocastite, tuff and amphibolite</p> <ul style="list-style-type: none"> a) Massive basalt b) Pillowed basalt c) Pillow breccia, hyaloclastite d) Tuff f) High-magnesia basalt, tuff, ultramafic rock, amphibolite g) Layered and massive amphibolite, calcsilicate rock <p>Geological symbols</p> <ul style="list-style-type: none"> — — — Contact: defined, approximate, assumed, assumed gradational, geophysical — — — Fault, approximate — — — Syncline, approximate: generation 1, overturned — — — Anticline, approximate: generation 1, overturned Limit of exposure • • • • • Limit of mapping × Outcrop |
|--|--|

Nasekwan tectonic collage (1910 to 1860? Ma)

- 8** Sedimentary rocks and paragneiss

 - a) Pebby greywacke, paraconglomerate
 - b) Hornblende greywacke, siltstone
 - c) Biotite greywacke, siltstone, mudstone
 - d) Quartz-rich greywacke
 - e) Siltstone and mafic mudstone
 - f) Mafic mudstone, tuff, greywacke
 - g) Argillite
 - h) Chert
 - i) Porphyroblastic schist
 - j) Iron formation
 - k) Psammitic gneiss
 - l) Semipelitic gneiss
 - m) Pelitic gneiss
 - n) Sillimanite gneiss and schist
 - o) Hornblende-plagioclase-biotite gneiss
 - p) Migmatite

7 Conglomerate, pebbly mudstone, and volcanic breccia

 - a) Quartz-pebble conglomerate
 - b) Conglomerate with volcanic and sedimentary clasts
 - c) Pebby mudstone
 - d) Polymictic volcanic breccia, conglomerate

6 Rhyolite, hyaloclastite, breccia, tuff, and felsic gneiss

 - a) Massive aphyric rhyolite
 - b) Massive porphyritic rhyolite
 - c) Porphyritic breccia
 - d) Hyaloclastite
 - e) Tuff

5 Dacite, breccia, tuff, and schist

 - a) Massive aphyric dacite
 - b) Massive porphyritic dacite
 - c) Breccia
 - d) Tuff
 - e) Altered dacite, schist

4 Intermediate to felsic volcanic and volcaniclastic rocks

 - a) Andesite
 - b) Porphyritic dacite
 - c) Intermediate tuff, lapilli tuff
 - d) Pyroclastic breccia

3 Mafic and intermediate volcanic rocks, amphibolite, schist and gneiss

 - a) Massive porphyritic and aphyric basalt and andesite
 - b) Pillowed basalt and andesite
 - c) Autoclastic breccia
 - d) Polymictic breccia
 - e) Mafic tuff
 - f) Intermediate tuff
 - g) Garnetiferous amphibolite
 - h) Andesite
 - i) Mafic to intermediate schist and gneiss
 - j) Intermediate to felsic schist and gneiss
 - k) Undivided amphibolite and intermediate rocks

2 Mafic volcanic rocks, tuff, breccia and amphibolite

 - a) Massive basalt
 - b) Pillowed basalt
 - c) Autoclastic breccia
 - d) Porphyritic and aphyric basalt
 - e) Tuff
 - f) Banded amphibolite, breccia
 - g) Mafic porphyry

1 Basalt, breccia, hyalocastite, tuff and amphibolite

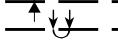
 - a) Massive basalt
 - b) Pillowed basalt
 - c) Pillow breccia, hyaloclastite
 - d) Tuff
 - e) High-magnesia basalt, tuff, ultramafic rock, amphibolite
 - f) Layered and massive amphibolite, calc-silicate rock

Geological symbols

-  Contact: defined, approximate, assumed,
 assumed gradational, geophysical

 Fault, approximate

 Syncline, approximate: generation 1,
overturned

 Anticline, approximate: generation 1,
overturned

 Limit of exposure

 Limit of mapping

Infrastructure symbols

- Infrastructure symbols**

 - Road, loose surface: all-weather, winter
 - Railway track
 - Power line
 - Trail

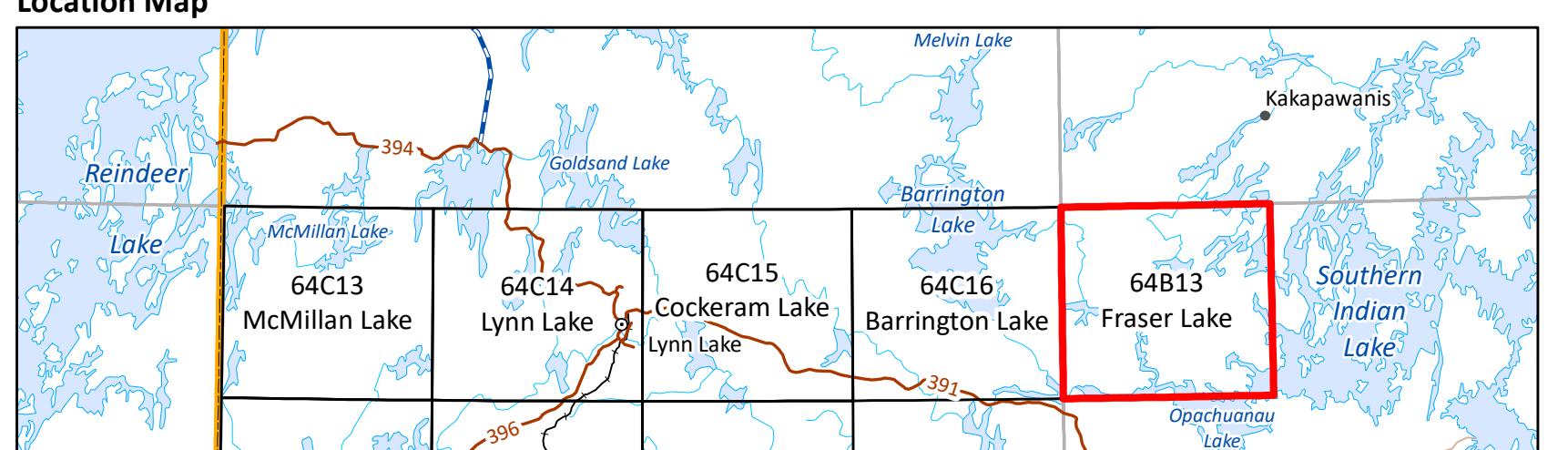
Geological symbols

 - Gneissosity, generation unknown
 - Cleavage, spaced, generation unknown
 - Lineation: type unknown, rodding, mineral lineation
 - Fold axis, generation unknown: symmetry unknown, symmetric, S-shaped, M-shaped
 - Fold axial plane, generation unknown

Structure Symbols

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 - Bedding: tops known, tops unknown, overturned
 - Pillows: tops known, tops unknown, overturned
 - Foliation: generation 1, generation 2
 - Flow contact: tops known, tops unknown

Location Map



Location Map

