



Map GR2006-1-1
To accompany Geoscientific Report GR2006-1

Geology of the Thompson Bay – Persian Lake area, North Arm, Athapapuskow Lake, Manitoba (NTS 63K12NE)

Legend

PALEOPROTEROZOIC

Felsic intrusions

- 9** a) quartz porphyritic granite-granodiorite
b) granodiorite

Mafic to intermediate intrusions

- 8** a) gabbro, diorite to quartz diorite
b) diabase
c) felspar porphyry

Metasedimentary rocks

- 7** a) oxide-facies iron formation
b) sulphide-facies iron formation

Rhyolite intrusions

- 6** a) massive quartz-feldspar-phryic and aphyric dikes
b) hypabyssal intrusion with mafic to intermediate volcanic sheets and rafts
c) quartz porphyry dikes and hypabyssal intrusions

Dacite

- 5** a) massive
b) tuff
c) flow breccia
d) felspar-phryic dikes

Aphyric rhyolite

- 4** a) massive
b) tuff, lapilli tuff
c) flow breccia
d) flow lobes
e) breccia

Quartz-feldspar-phryic rhyolite

- 3** a) massive
b) tuff, lapilli tuff
c) flow breccia
d) flow lobes
e) breccia

Quartz-phryic rhyolite

- 2** a) massive
b) tuff, lapilli tuff
c) flow breccia
d) flow lobes
e) breccia

Basalt, basaltic andesite and andesite

- 1** a) massive flows
b) tuff, lapilli tuff
c) flow breccia, pillow fragment breccia
d) pillowed flow

Symbols

Layering

- Bedding: top known
Pillow: top known
Pillow: top unknown

Foliation

- generation unknown
generation 1

Faults and shears

- Fault: generation unknown
Shear: sense unknown
Shear: sense sinistral

Lineation

- S Fold: generation unknown

- Fault
Contact
Outcrop
Road
Trail
Power line
Limit of mapping
Geochemical sample site

Mineral symbols

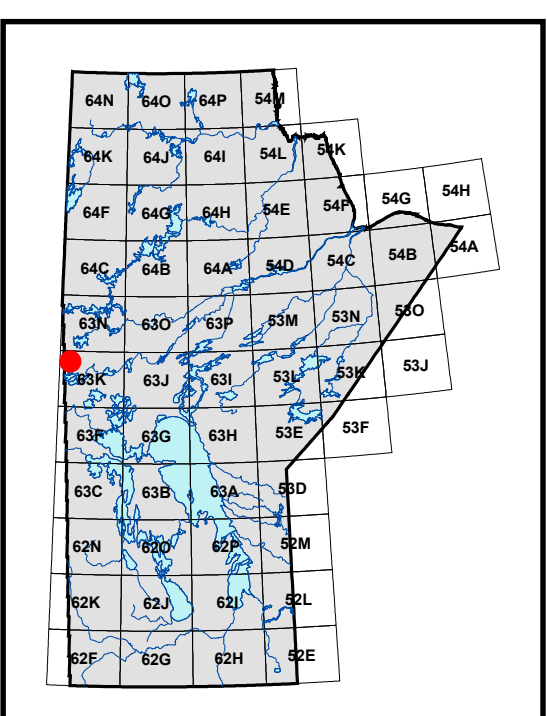
- | | | | |
|-----|---------------|----|----------------|
| An | Anthophyllite | Ep | Epidote |
| Ap | Arsenopyrite | Gt | Garnet |
| Cc | Carbonate | Mt | Magnetite |
| Ch | Chlorite | Po | Pyrrhotite |
| Cpy | Chalcopyrite | Py | Pyrite |
| Ct | Chert | Qt | Quartz vein(s) |

Note: place names in parentheses are unofficial

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0.5 0 0.5 1 km
Scale: 1:10 000