

Geology of the eastern Aswapiswanan Lake area, Manitoba
(part of NTS 53L6NW)



Legend

PRECAMBRIAN (ARCHEAN)

Intrusive rocks

- P7** Leucogabbro, diabase
- P6** Granitoid rocks and related gneiss: tonalite, granodiorite, granite; minor plagioclase porphyry, pegmatite, aplite, hybrid gneiss
- P6a** Granite, massive; related aplite and pegmatite
- P6b** Granodiorite and granite, massive to gneissoid; minor K-feldspar-blastic granodiorite-granite; minor pegmatite
- P6c** Tonalite and granodiorite, gneissoid
- P6d** Hornblende quartz diorite to diorite
- P6e** Tonalite, plagioclase phyrlic; minor felsitic lits
- P6f** Hybrid gneiss (derived from units O1, J1 and P6)
- P5** Gabbro, minor pyroxenite, peridotite and hornblende; (McLeod Narrows intrusion, Lavigne Lake intrusion); diabase
- P5a** Gabbro, mesocratic to melanocratic
- P5b** Pyroxenite, hornblende; peridotite
- P5c** Diabase
- P5d** Magnetiferous quartz diorite, diorite

Volcanic and sedimentary rocks of juvenile-arc affiliation

- J4** Rhyolite, massive to fragmental; heterolithic breccia, minor related sedimentary rocks; plagioclase-quartz porphyry
- J4a** Rhyolite, massive to fragmental
- J4b** Heterolithic volcanic breccia and tuff
- J4c** Volcanic-derived conglomerate, feldspathic greywacke and siltstone
- J4d** Plagioclase-quartz porphyry
- J3** Heterolithic volcanic breccia and associated tuff; related sedimentary rocks
- J3a** Heterolithic volcanic breccia and tuff, mafic to felsic fragments
- J3b** Heterolithic volcanic breccia and tuff, felsic and minor intermediate fragments
- J3c** Volcanic-derived conglomerate, greywacke and siltstone
- J2** Sedimentary rocks; altered supracrustal rocks
- J2a** Oxide-facies iron formation
- J2b** Siltstone, feldspathic greywacke, minor chert
- J2c** Altered garnetiferous supracrustal rocks
- J1** Basalt, related fragmental and synvolcanic intrusive rocks; derived laminated amphibolite, schist and gneiss
- J1a** Aphyric basalt; minor plagioclase-phyric basalt and related gabbro
- J1b** Basaltic pillow-fragment breccia, flow-top breccia
- J1c** Gabbro, locally plagioclase phyrlic; minor hornblende
- J1d** Gabbro, megaphyrlic
- J1e** Amphibolite, related gneiss and schist
- J1f** Spherulitic pillowed basalt

Volcanic rocks of ocean-floor affiliation

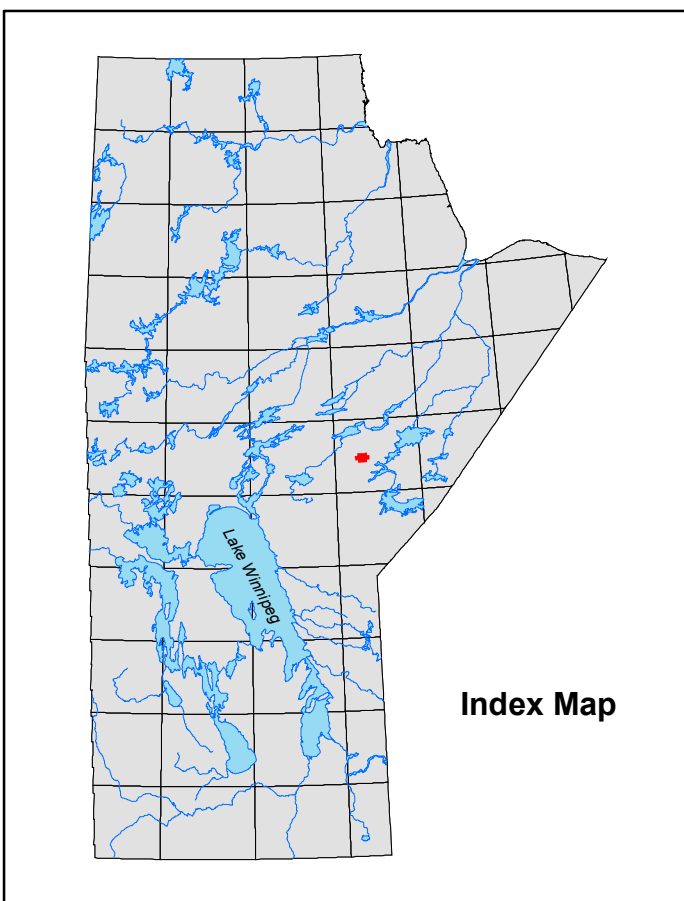
- O1** Basalt, related fragmental and synvolcanic intrusive rocks; derived laminated amphibolite, schist and gneiss
- O1a** Aphyric basalt; minor plagioclase-phyric basalt and related gabbro
- O1b** Basaltic pillow-fragment breccia, flow-top breccia
- O1c** Gabbro, locally plagioclase phyrlic; minor hornblende
- O1d** Gabbro, megaphyrlic or glomeroporphyritic
- O1e** Amphibolite, related gneiss and schist

Symbols

- Geological contact: approximate, assumed, underwater
- Bedding: tops known
- Pillows: tops unknown
- Foliation: inclined, vertical, dip unknown
- Mineral lineation
- Fold axis: inclined, vertical plunge
- Fold type: S, Z, symmetrical folds
- Axial plane
- Dike
- Limit of geological mapping

Note: Subunits with descriptions in grey do not appear on this map

Geology by: H.P. Gilbert (2000)
Cartography by: M. Timcoe



Scale 1:20 000
0 1 2 3
kilometres

