
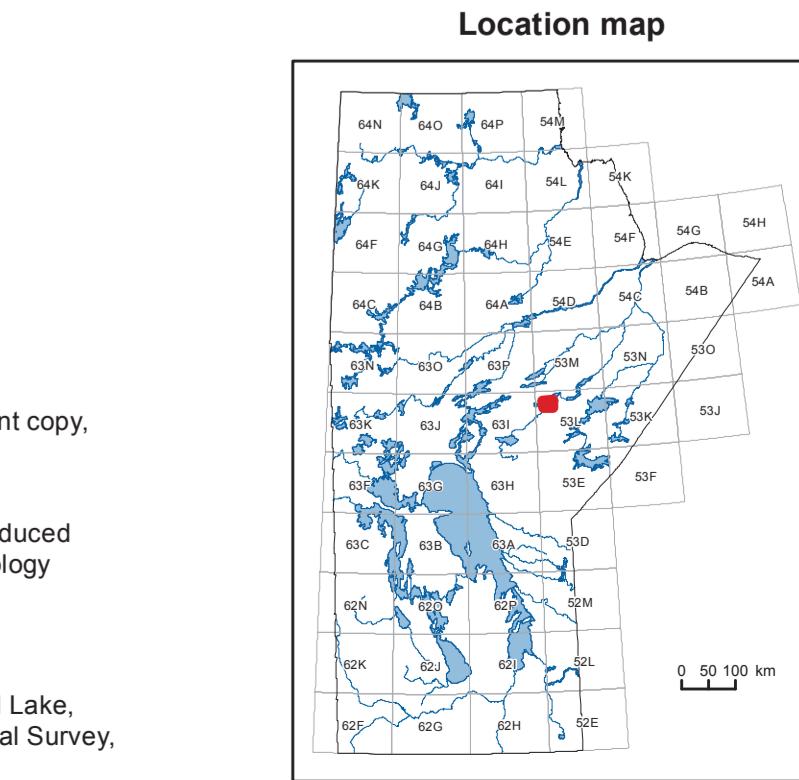


Geology and structure of northeastern Oxford Lake, Manitoba (parts of NTS 53L13, 14): sheet 2



Legend*

Post-tectonic dikes (Pt)	
Pt4	Lamprophyre (?)
Pt3	Gabbro (unknown swarm)
Pt2	Diabase (MacKenzie swarm)
Pt1	Diabase (Molson swarm)
Semple River pluton (Sr)	
Sr1	Granodiorite; granite <ul style="list-style-type: none"> a) Homogeneous b) Quartz-phryic c) Feldspar-phryic d) Associated porphyry dikes
Lynx Bay intrusive suite (Lb)	
Lb3	Gabbro <ul style="list-style-type: none"> a) Equigranular b) Plagioclase-porphphyritic
Lb2	Pyroxenite
Lb1	Peridotite (serpentized); minor serpentine veins <ul style="list-style-type: none"> a) Cumulate texture; locally layered b) Breciated; talc-schist matrix
Bay Lake intrusive complex (Bl)	
Bl3	Biotite-tonalite; granodiorite <ul style="list-style-type: none"> a) Equigranular b) Porphyritic (quartz-plagioclase)
Bl2	Biotite-hornblende tonalite <ul style="list-style-type: none"> a) Equigranular b) Porphyritic
Bl1	Orthogneiss; gabbroic to tonalitic
Hyers assemblage (Hi)	
Hi5	Phyllonitic sulphidic; uncertain precursor <ul style="list-style-type: none"> a) Sericitic-chlorite b) Chlorite-sericitic
Hi4	Subvolcanic porphyry intrusions <ul style="list-style-type: none"> a) Plagioclase-quartz porphyry b) Quartz porphyry
Hi3	Volcanogenic alteration and mineralization; massive to stringer <ul style="list-style-type: none"> a) Olivomeric feldspar-phryic dacite b) Pyroxene-phryic (spotted) gabbro
Hi2	Volcanic conglomerate; minor volcanic sandstone <ul style="list-style-type: none"> a) Olivomeric feldspar-phryic dacite b) Polymictic; intermediate to felsic volcaniclastic rocks
Hi1	Intermediate to felsic volcaniclastic rocks <ul style="list-style-type: none"> a) Crystal tuff b) Lapilli tuff, tuff breccia, breccia
Cargill Channel layered intrusion (Cc)	
Cc2	Gabbro <ul style="list-style-type: none"> a) Melanocratic, equigranular b) Mesocratic, equigranular c) Porphyritic; locally megacrystic d) Includes minor pegmatite e) Pyroxene-phryic (spotted) gabbro
Cc1	Peridotite (serpentized)
Cargill assemblage (Ci)	
Ci9	Subvolcanic intrusions; aphanitic groundmass; local amygdalites <ul style="list-style-type: none"> a) Plagioclase-phryic basalt or andesite b) Plagioclase-pyroxene-phryic basalt or andesite c) Aphyric basalt or andesite d) Olivomeric feldspar-phryic dacite e) Plagioclase-quartz-phryic ryolite
Ci8	Gabbro; fine to medium grained <ul style="list-style-type: none"> a) Homogeneous b) Abundant pyroxenite and anorthosite inclusions c) Olivomeric to quartz dacite d) Layered mafic-gabbro; local spinifex and amygdalites e) Pyroxenite
Ci7	Iron formation <ul style="list-style-type: none"> a) Oxide facies b) Suphide facies
Ci6	Quartzite
Ci5	Volcanic facies <ul style="list-style-type: none"> a) Olivomeric feldspatic b) Heterolithic tuff breccia c) Olivomeric tuff, chert, breccia
Ci4	Intermediate to felsic volcaniclastic rocks <ul style="list-style-type: none"> a) Dacitic or rhyolitic; lapilli tuff, tuff breccia; may include coherent flows b) Andesitic; breccia, tuff breccia, lapilli tuff c) Derived volcanic conglomerate and sandstone
Ci3	Mafic volcaniclastic rocks <ul style="list-style-type: none"> a) Olivomeric breccia, lapilli tuff b) Olivomeric fragment breccia, local peperite
Ci2	Basaltic andesite and andesite flows; massive to brecciated, locally pillowd <ul style="list-style-type: none"> a) Plagioclase- and pyroxene-phryic b) Olivomeric phryic c) Olivomeric d) Variolitic e) Plagioclase-phryic
Ci1	Basalt and basaltic andesite flows; pillowd, locally massive or brecciated <ul style="list-style-type: none"> a) Aphyric b) Plagioclase-phryic c) Garnet amphibolite; basalt precursor
Symbols	
Planar structure	
	Foliation: generation unknown, 1, 2
	Bedding: tops unknown, known, overturned
	Flow contact: tops unknown, known, overturned
	Igneous layering: tops unknown, known, overturned
	Pillows: tops unknown, known, overturned
	Crenulation cleavage: generation unknown, 2
	Spaced cleavage: generation unknown
	Gneissosity: generation unknown, 1
	Fault: sense unknown, dextral, sinistral
	Shear zone: sense unknown, dextral, sinistral
	Shear band (sinistral): generation unknown
	Shear band (dextral): generation 3
Linear structure	
	Stretching lineation: generation unknown, 1
	Mineral lineation: generation unknown
	Fold axis: generation unknown
	Fold axis (Z asymmetry): generation unknown, 1
	Fold axis (Z asymmetry): generation unknown, 2
	Fold axis (symmetric): generation unknown, 1, 2
	Fold axial plane: generation unknown, 1, 2
Geological contacts	
	Contact: defined
	Contact: approximate
	Contact: underwater
	Fault or shear zone
	Iron formation
	Limit of mapping
Mineral occurrences	
* Cp	chalcopyrite
Gt	garnet
Po	pyrrhotite
Tl	tourmaline



Geology by: S.D. Anderson, P.D. Kremer and T. Martins

Cartography by: M.E. McFarlane

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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.

SUGGESTED REFERENCE:
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