

LEGEND

ARCHEAN

ENGLISH RIVER SUBPROVINCE

ERs	Metasedimentary rocks
ERm	Migmatite

UCHI SUBPROVINCE

Ga	Gabbros (various ages: >2844–2699 Ma)
	Young granitoids (2725–2700 Ma): mostly granodiorite, minor quartz monzonite, diorite, tonalite and granite; includes sanukitoid suites

CONFEDERATION ASSEMBLAGE (2745–2725 Ma)

Css	Sundown Lake sedimentary sequence: conglomeritic to medium grained lithic wacke extensional basin fill deposits (<2735 Ma)
Cjm	Jackson Manion dykes: quartz feldspar phyric dykes (c.2739 Ma)

EARNGEY BELT (c.2740 Ma)

Cmv	Mafic volcanic rocks: Wabanook tholeiites and Neepewa Bay calc-alkaline basalts - pillow basalts, pillow breccias, and volcanoclastic/epiclastic units
Cwb	Wabunk volcanics: andesite to dacitic tuffs
Cds	Drake Lake sedimentary sequence: massive to thinly bedded, light grey, volcanoclastic siltstone. Locally interbedded with Wabunk volcanic rocks

AGNEW BELT (c.2740 Ma)

Cg	Granophric granodiorite
Ckb	Keewatin Bay porphyries: quartz-feldspar phyric volcanoclastic and effusive flows, locally includes subvolcanic intrusions
Cw	Washagomis tholeiites (MORB/BAB); dominantly pillowed flows and pillow breccia
Cmf	Honeywell Lake volcanics; predominantly dacitic flow, locally perlitic (minor tuffs)
Cmt	Nekapean Bay volcanics; felsic lapilli tuff/volcanic breccia (minor flows). In Lost Bay includes Earngey belt clasts
CLL	Lost Bay calc-alkaline basalt (arc-like): pillowed flows, pillow breccia and tuffs

KNOTT BELT (c.2742 Ma)

Cs	Knott belt sedimentary rocks: volcanoclastic sandstone and breccia, locally interbedded with felsic volcanic rocks. May in part include Sundown Lake sedimentary sequence rocks
Cfv	Knott belt: felsic volcanic rocks; ignimbritic rhyolite flows
Cca	Dog Lake calc-alkaline basalts (arc-like): massive to pillowed flows
Cdb	Dent tholeiites (arc-like): predominantly pillowed flows

WRfi	Woman River quartz-feldspar porphyry dykes (c.2813 Ma)
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	Trout Lake Batholith: massive to schistose tonalite (2806 to 2856 Ma)
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WOMAN ASSEMBLAGE (c.2771 Ma)


















WOI	Little Woman limestone: stromatolitic marble
WOfv	Woman Lake Tuff: ignimbritic to tuffaceous rhyolitic and dacitic flows
WOMv	Shanty Bay mafic volcanic rocks: mostly pillow basalts
WOMs	Medicine Rock sedimentary sequence: interbedded hematitic iron formation and grey to brown siltstone

NARROW LAKE ASSEMBLAGE (<2975; >2880)

NLbi	Bathurst Lake tholeiitic pillow basalts: chemically MORB-like, continental rift sequence
NLqi	Quartz Lake tholeiitic pillow basalts: chemically MORB-like, continental rift sequence
NLsl	Surprise Lake tholeiitic pillow basalts: chemically MORB-like, continental rift sequence
NLs	Narrow Lake assemblage sedimentary rocks: massive lithic wackes, locally conglomeritic

BALMER ASSEMBLAGE (2975–2989 Ma)

BAsl	Spot Lake dacite (c.2975 Ma)
BAfv	Skinner porphyries: thinly bedded to massive quartz and feldspar phyric tuffs (c.2989 Ma)
BAmv	Tims Creek volcanics: massive basaltic andesite to andesite
BAs	Balmer assemblage sedimentary rocks: predominantly thinly bedded to massive medium grained greywacke and siltstone

Geological contact (approximate)	
Fault (approximate or assumed)	
Unconformity (approximate or assumed, with ticks towards younger unit)	
Approximate trace of assemblage boundary through lakes	
Rock outcrop, area of rock outcrop mapped by author	
Bedding, top known (inclined, overturned), unknown, vertical	
Bedding in pillow lava; dip if known (upright, overturned)	
Foliation, unknown generation (inclined, vertical)	
Foliation, S ₁ generation	
Foliation, S ₂ generation	
Igneous contact/dyke	
Shear zone (motion unknown, dextral, sinistral)	
Stretching and mineral lineation (generation unknown, S ₁)	
M-fold (generation unknown, S ₁ , S ₂)	
S-fold (generation unknown, S ₂)	
Z-fold (generation unknown, S ₂)	
General younging direction from sedimentary structures	
U/Pb zircon age	