



**Figure 1. Regional geology of the western Churchill Province and environs.**

- Phanerozoic cover
- Regions outside western Churchill
- Intracratonic basins (ca. 1.7 Ga)
- Nueltin granite (1.76–1.75 Ga)
- Granite (1.85–1.82 Ga)
- Granitic plutons (1.87–1.85 Ga)
- Granitic plutons (2.0–1.9 Ga)
- Snowbird tectonic zone granitoids (1.9 Ga and 2.5 Ga)
- Trans-Hudson tectonics (mostly 1.91–1.81 Ga)
- 2.1–1.8 Ga sedimentary rocks
- Huronian, Aenean groups (>1.95 Ga; and 2.45–2.1 Ga)
- 2.5–2.4 Ga Sibley Group
- Meta-igneous basement
- Greenstone belts (mostly ca. 2.7 Ga)
- 2.7–2.8 Ga or gneiss (Rae, Hearne, Ca)
- Thrust fault potential suture
- Ice cap

**Abbreviations:**  
 BP = Boothia Peninsula  
 CB = Chesterfield block  
 CBB = Cumberland Batholith  
 CCB = Cumberland Batholith  
 L1 = Lyle Group  
 M = Meta-igneous microcontinent  
 MP = Melville Peninsula  
 P = Penny Group  
 QM = Queen Maud  
 S = Saglek Block  
 STZ = Snowbird tectonic zone  
 WB = Western Batholith

**Metamorphic Zones**  
 Note: Not all colours and patterns appear on this map.

**Dominant Age (Ma)**  
 1860–1750

**Pressure sub-facilities:**  
 (undivided (u), low (l), high (h))

Subgreenschist	u l h
Greenschist	u l h
Greenschist-Lower Amphibolite	u l h
Amphibolite	u l h
Lower Amphibolite	u l h
Middle Amphibolite	u l h
Upper Amphibolite	u l h
Upper Amphibolite - Granulite	u l h
Granulite (diagonal hatching - medium pressure)	u l h
Charnokite/Enderbite	u l h
Unmetamorphosed granite (ca. 1750, 1820 Ma)	u l h
Unmetamorphosed sedimentary rocks (ca. 1750, 1820 Ma)	u l h

**Metamorphic patterns:**  
 Metamorphosed sediments (unmetamorphosed)  
 Phanerozoic sediments (unmetamorphosed)  
 Unmetamorphosed - subgreenschist (igneous and/or sedimentary)  
 Mostly unmetamorphosed (regions outside Western Churchill Province)  
 Gneiss

**Fault/boundary (no age implied):**  
 Geological boundary (dashed)  
 Fault/boundary zone (dashed, under lines)  
 Thrust fault  
 Strike-slip fault (dashed)  
 Strike-slip fault (dashed)

**Geochronological Data Method:**  
 U/Pb zircon  
 U/Pb monazite  
 U/Pb titanite  
 K/Ar hornblende  
 K/Ar orthopyroxene  
 Age constrains maximum grade of diagenesis/overprint  
 Rock type for geochronological date (symbols above):  
 Granite/igneous volcanic rock  
 Amphibolite  
 Gabbro  
 Sedimentary rock

