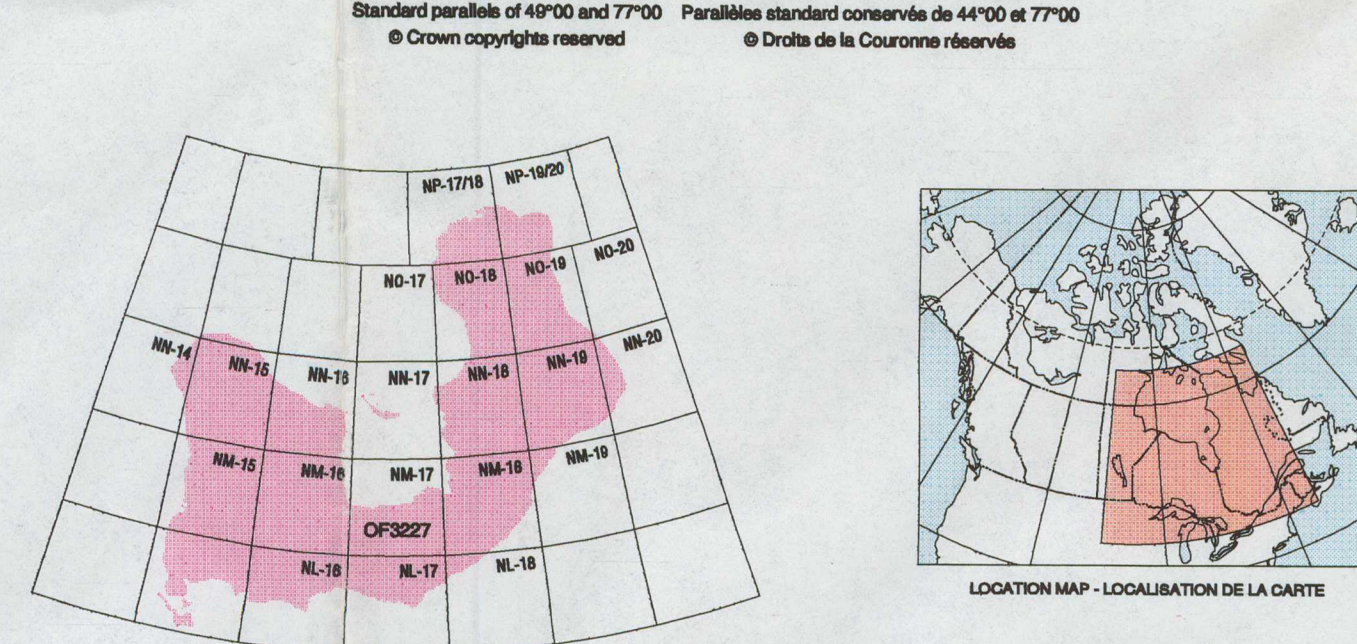


- LEGEND**
- PALEOZOIC (Y < 500 Ma)**
- PZ Supracrustal rocks
- MESOPROTEROZOIC (Y 1000-1800 Ma)**
- Yv Ya Tholeiitic basalt, dykeite, and other volcanic rocks
  - Yb Mafic intrusions
- PALEOPROTEROZOIC (X 1800-2600 Ma)**
- Xv Xa Alkali rock-carbonate intrusions
  - Xb Xc Mafic and ultramafic intrusions
  - Xd Xe Mafic intrusions
- PROTEROZOIC/ARCHEAN**
- PA Archean granitic plutonic rocks overprinted by Proterozoic tectonics and metamorphism
  - ArA Archean (A > 2500 Ma)
    - ArAa Archaean supracrustal rocks, age and tectonic affinity unknown
    - ArAg Archaean plutonic rocks, age and tectonic affinity unknown
- NEOARCHAIC (W - 2600-2800 Ma)**
- Wt Late orogenic plutonic rocks
  - Wy Synkinetic, metasediments, dykes
  - Wb Diatremes, anorthitic granites
  - Wc Mafic, ultramafic intrusions
- EARLY ORIGINIC AND SYNPLUTONIC PLUTONIC ROCKS**
- Wo Tonalitic and granodioritic orthogneiss, tonalite, monzonite, and granodiorite intrusions
  - Wob Mafic, ultramafic, and anorthitic intrusions
- HIGH-GRADE BARROISIC AND CHARNOCTIC PLUTONIC ROCKS**
- Wh Unsubdivided granulite gneiss and charnockite
  - Wha Paragneiss
  - Whv Mafic gneiss
  - Whc Tonalitic, anorthitic gneiss
  - Whd Charnokite, diatreme
- SUPRACRUSTAL ROCKS**
- Wt Late orogenic basin sequences, Alkaline tholeiitic and alkalic tholeiitic volcanic rocks
  - Wt Early orogenic basin sequences, Tholeiitic and alkalic tholeiitic volcanic rocks and related gneiss and diatreme
  - Wc Anorogenic sequences, Differentiated and bimodal mafic-ultramafic and tholeiitic volcanic rocks, subvolcanic intrusions, volcanogenic sedimentary rocks, and iron formation
  - Wk Submarine mafic plain sequences, Tholeiitic-basaltic volcanic rocks, subvolcanic mafic-ultramafic intrusions, minor volcanogenic sedimentary rocks, and iron formation
- MESOPROTEROZOIC (V - 2600-3200 Ma)**
- Vt Early orogenic and synplutonic plutonic rocks, Tonalitic and granodioritic orthogneiss, tonalite, monzonite, and granodiorite intrusions
- SUPRACRUSTAL ROCKS**
- Vt Early orogenic basin sequences, Quartz-diorite, quartz-pyroxene, anorthitic, anorthitic mafic, and ultramafic volcanic rocks
  - Vc Anorogenic sequences, Differentiated and bimodal mafic-ultramafic and tholeiitic volcanic sequences
  - Vk Submarine mafic plain sequences, Tholeiitic-basaltic volcanic sequences
- PALEOARCHAIC (U > 3200 Ma)**
- Ua Orthogneiss, paragneiss, amphibolite
- Geological symbols:**
- Fault (dipless, approximate)
  - Strike-slip fault
  - Thrust fault (dip on upper plate)
  - Normal fault, teeth on downthrow side (dipless, approximate)
  - Reverse fault (dip on upthrow side)
  - Acid trace of major fault

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**PRELIMINARY LITHO-TECTONIC MAP  
 OF THE SUPERIOR PROVINCE**  
 MANITOBA - ONTARIO - QUEBEC - UNITED STATES OF AMERICA

Scale 1:2 500 000 - Echelle 1:2 500 000  
 Kilometres 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40  
 Miles 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40



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