



Preliminary Map PMAP2009-3  
**Bedrock geology of the Paint Lake area,  
 Manitoba (parts of NTS 6308, 9, 63P5, 12)**

**Legend**

- Paleoproterozoic**
- 11 Pegmatite and aphte
  - 10 Carbonate-rich dikes
  - 9 Mesosyenite complex
  - 8 Mesogabbroic complex
  - 7 Otagoan Group
- Uncertain age**
- 6 Granitoids
  - 5 Plagioclase amphibolite
  - 4 Supracrustal rocks
- Archean**
- 3 Layered mafic rocks
  - 2 Enakelitic gneiss
  - 1 Multicomponent gneiss

**Symbols**

- Primary layering**
- Bedding, tops known
  - Bedding, tops unknown
  - Igneous layering, tops unknown
- Foliation**
- Foliation, generation unknown, 1st, 2nd
  - Greenschist, generation unknown
  - Shear, generation unknown, sense unknown
- Minor fold axial plane**
- Fold axial plane, generation unknown, 1st, 2nd
- Minor fold axis**
- Fold axis, generation unknown, asymmetry unknown
  - Fold axis, generation unknown, symmetric
  - Fold axis, generation unknown, Z asymmetric, S asymmetric
  - Fold axis, generation 1, asymmetry unknown
  - Fold axis, generation 1, S asymmetric
  - Fold axis, generation 2, asymmetry unknown
  - Fold axis, generation 2, symmetric
- Lineation**
- Mineral lineation
  - Roofing
  - Slacken strike
- Dike**
- Carbonate-rich dike
  - Mafic dike
- Contact, approximate**
- Limit of mapping
  - Antiform axial trace
  - Synform axial trace
  - Alkali metasomalized rock
  - Shear zone
  - Road
  - Limited use road
  - Trail
  - Powerline
  - Railway
  - Park boundary
- Other symbols**
- Typical outcrop
  - Ord - corundite occurrence
  - Mo - molybdenite occurrence
  - St - stibnite occurrence

**Geology by: C.G. Cousléan (2009)**  
**Cartography by: M. Timcoe**

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This map is available to download free of charge at  
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 Sales at 1-800-223-5215 or (204) 945-4154 or [mineinfo@gov.mb.ca](mailto:mineinfo@gov.mb.ca).

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:**  
 Cousléan, C.G.: 2009, Bedrock geology of the Paint Lake area, Manitoba  
 (parts of NTS 6308, 9, 63P5, 12), Manitoba Innovation, Energy and  
 Mines, Manitoba Geological Survey, Preliminary Map PMAP2009-3,  
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Map projection is Universal Transverse Mercator, zone 14, NAD83

