



LEGEND

- MESOZOIC**
- CRETACEOUS**
- KRM** RIDING MOUNTAIN FORMATION: Millwood Member (m) - soft green bentonitic shale; Odanah Member (o) - hard grey siliceous shale
  - KVR** VERMILION RIVER FORMATION: black carbonaceous shale overlain by grey calcareous speckled shale, carbonaceous shale, bentonite and bentonitic shale
  - KF** FAVEL FORMATION: calcareous speckled shale; minor limestone and dolomite
  - KA** ASHVILLE FORMATION: dark grey carbonaceous shale; minor sand, silt and bentonite
  - KSR** SWAN RIVER FORMATION: sandstone, shale and minor lignite

- JURASSIC**
- J** AMARANTH, RESTON AND MELITA FORMATIONS: basal red sandstone and siltstone overlain by gypsum or anhydrite (Amarnth); interbedded limestone, dolomite and shale (Reston); sandstone, shale and minor limestone (Melita)

- PALEOZOIC**
- DEVONIAN**
- DSR** SOURIS RIVER FORMATION: basal red shale overlain by limestone and dolomite
  - DDB** DAWSON BAY FORMATION: basal red shale overlain by limestone, dolomite and shale
  - DW** WINNIPEGOSIS FORMATION: dolomite and limestone
  - DEP** ELM POINT FORMATION: limestone
  - DA** ASHERN FORMATION: red to greenish-grey shale and dolomite

- SILURIAN**
- S** INTERLAKE GROUP: dolomite and minor shale
- CONTACT BETWEEN BEDROCK FORMATIONS

**NOTE:**

In the Plumas-Glenella area Swan River Formation deposits are found overlying Jurassic sediments in some wells. However, there is not sufficient information presently available to allow these areas of Swan River Formation bedrock to be indicated on the scale of this map. A combined Ksr, J symbol has been indicated for this area on the bedrock geology map.

**SOURCE OF INFORMATION:**

Manitoba Mineral Resources Division, 1979. Geological Map of Manitoba, Map 78-2.

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PROVINCE OF MANITOBA  
DEPARTMENT OF NATURAL RESOURCES  
WATER RESOURCES BRANCH  
GROUNDWATER AVAILABILITY STUDY  
NEEPAWA AREA  
**BEDROCK GEOLOGY  
FIGURE 2**

- Town..... Ville.....  
Village or Settlement..... Village ou hameau.....  
Post Office..... Bureau de poste.....  
Church..... Église.....  
School..... École.....  
Boundary monument..... borne frontière.....  
Horizontal control point..... Point géodésique.....  
Stream..... Cours d'eau.....  
Intermittent or dry..... Intermittent ou à sec.....  
Rapid; falls..... Rapides; chute.....  
Marsh or swamp..... Marais ou marécage.....  
Lighthouse..... Phare.....  
Airport..... Aéroport.....  
Seaplane base..... Base d'hydravion.....

