

- LEGEND**
- MISSISSIPPIAN**
- M Sandstone, siltstone and coal
- DEVONIAN**
- UPPER DEVONIAN**
- Di IMPERIAL FORMATION: shale and sandstone
  - Dc CANOL FORMATION: black, siliceous, bituminous shale
- MIDDLE DEVONIAN**
- Dr RAMPARTS FORMATION: limestone, commonly fossiliferous
  - Dhi HARE INDIAN FORMATION: shale, minor siltstone and limestone
  - Dh HUME FORMATION: fossiliferous limestone, minor shale
- LOWER DEVONIAN**
- Db BEAR ROCK FORMATION: dolomite, limestone, solution breccia, gypsum and anhydrite (includes Delorme Formation)
  - Dbh LOWER AND MIDDLE DEVONIAN BEAR ROCK AND HUME FORMATIONS: (see note 1)
- ORDOVICIAN AND SILURIAN**
- UPPER ORDOVICIAN AND LOWER SILURIAN**
- OSk MT KINDLE FORMATION: fossiliferous dolomite
- CAMBRIAN AND ORDOVICIAN**
- UPPER CAMBRIAN AND LOWER ORDOVICIAN**
- COF FRANKLIN MOUNTAIN FORMATION: dolomite
  - COsf UPPER CAMBRIAN AND LOWER ORDOVICIAN SALINE RIVER FORMATION: shale and gypsum; FRANKLIN MOUNTAIN FORMATION: dolomite
- CAMBRIAN**
- UPPER CAMBRIAN**
- Cs SALINE RIVER FORMATION: shale and gypsum
- LOWER AND MIDDLE CAMBRIAN**
- Cc MOUNT CAP FORMATION: shale, limestone and sandstone
  - Coc LOWER AND MIDDLE CAMBRIAN OLD FORT ISLAND FORMATION: sandstone; MOUNT CAP FORMATION: sandstone and shale
- HELIKIAN(?)**
- Ps5 Dolomite, limestone, gypsum and shale
  - Ps4 Dolomite
  - Ps3 Quartzite
  - Ps2 Dolomite
  - Ps1 Green shale, argillite and sandstone
- HORNBY BAY GROUP**
- Ph Quartzite and dolomite
- Present day distribution of Cretaceous rocks (approximate, assumed beneath Quaternary cover). Pattern may alter formation colour
- Geological boundary (approximate, assumed) .....  
 Fault (defined; solid circle indicates downthrow side) .....  
 Fault, thrust or reverse (teeth on upthrust side) .....  
 Pre-Cretaceous fault (solid circle indicates downthrow side) .....  
 Syncline .....  
 Exploratory well, control point (for well names: see Map 1498A) .....  
 Interpretation by D.G. Cook based on published and open file maps of the Geological Survey of Canada, and unpublished subsurface data of G.K. Williams, D.C. Pugh and D.W. Myhr  
 To accompany GSC Memoir 398 by C.J. Yorath and D.G. Cook  
 Geological cartography by J.H. Weddell, Institute of Sedimentary and Petroleum Geology, Geological Survey of Canada  
 Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada  
 Base maps published at 1:1 000 000 scale (parts of Great Bear River, Horton River, Peel River and Firth River) by the Surveys and Mapping Branch, 1976  
 Copies of the topographical edition of these maps may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa  
 Magnetic declination 1980 varies from 38°25' easterly at centre of west edge to 39°12.8' easterly at centre of east edge. Mean annual change 12.2' westerly  
 Elevations in feet above mean sea level

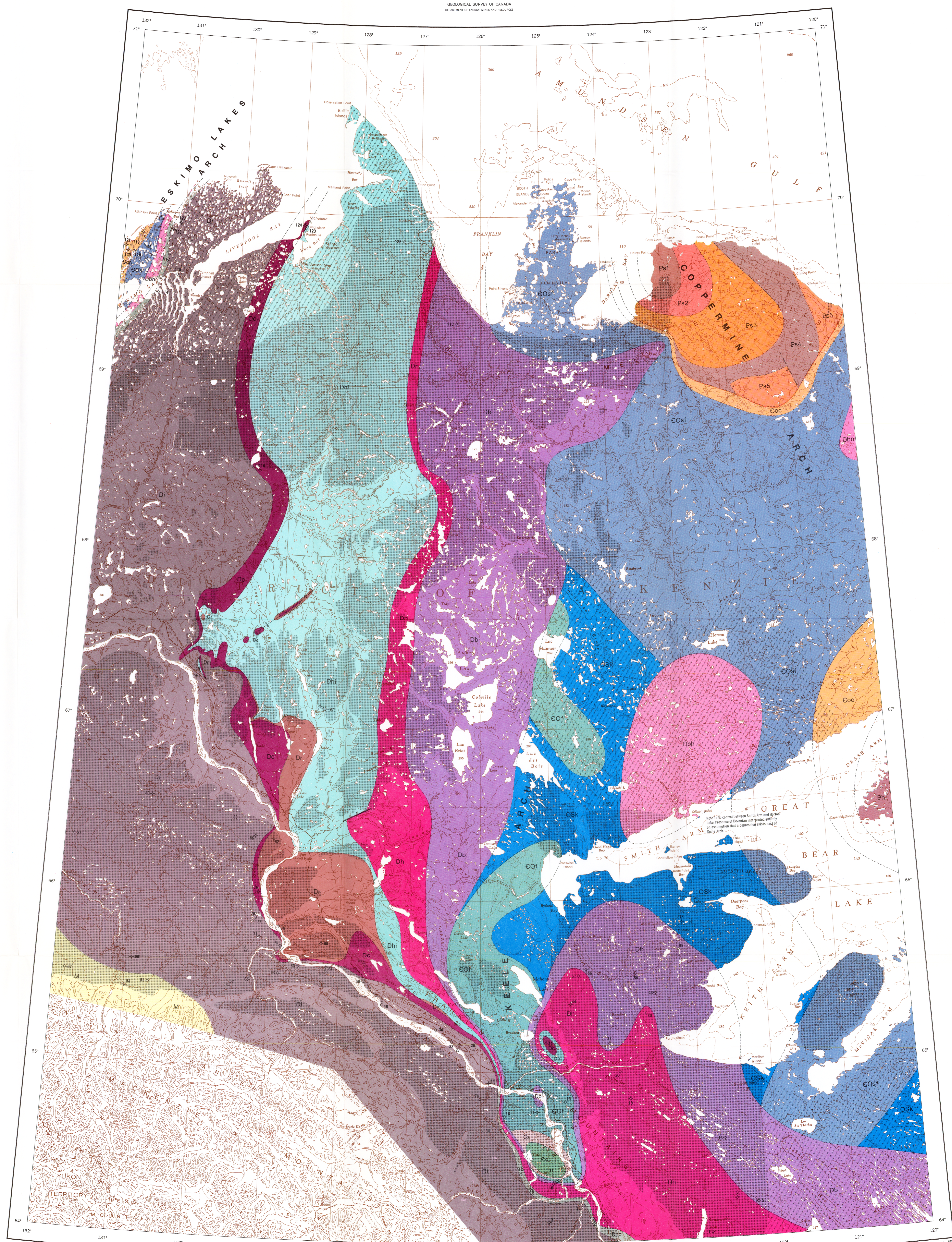


Figure 2: Pre-Cretaceous Paleo-geology of the northern Interior Plains, northwestern District of Mackenzie.

Scale 1:1,000,000  
 Kilometres 0 25 50 75  
 Miles 0 20 40  
 Lambert Conformal Conic Projection  
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