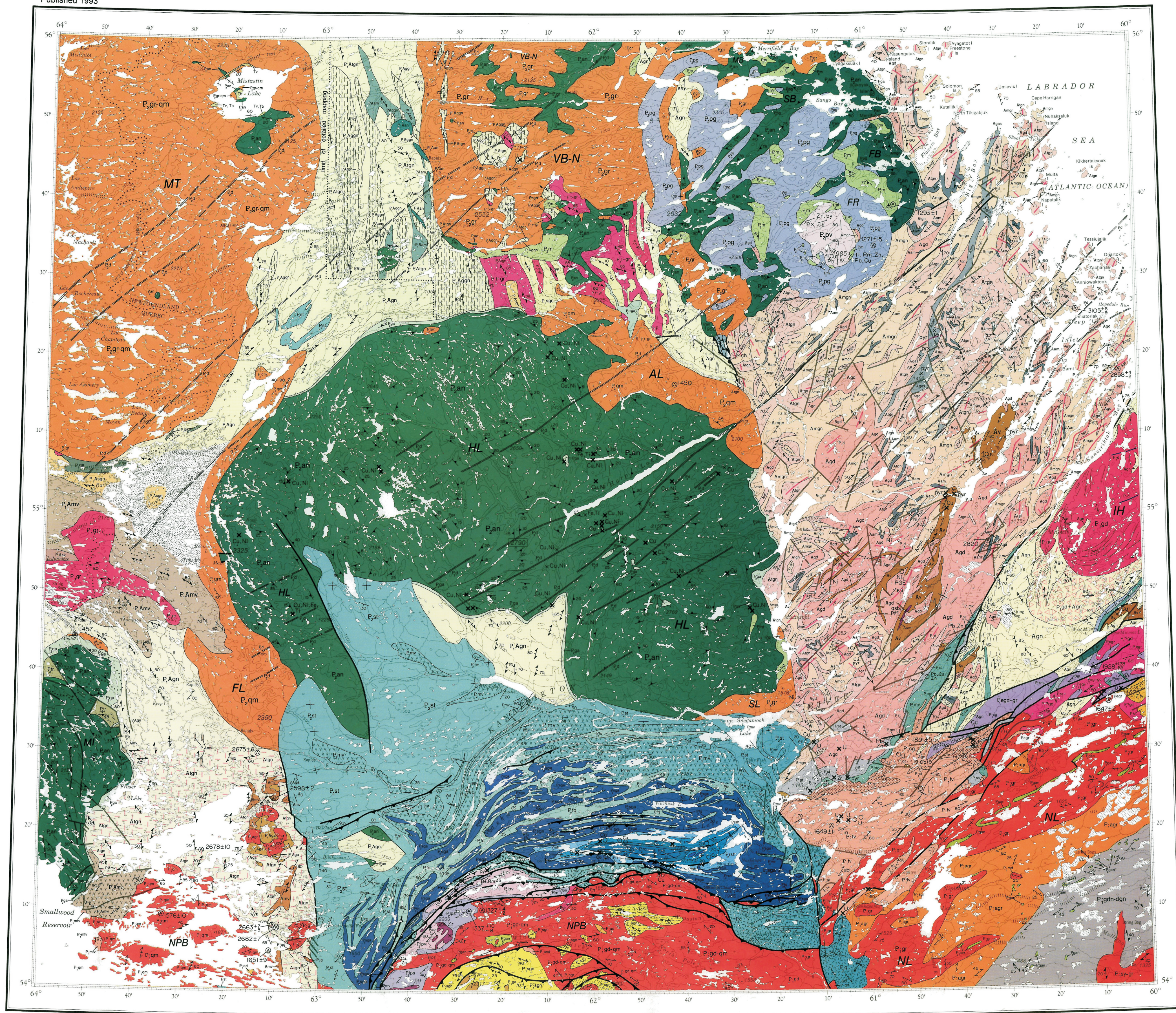
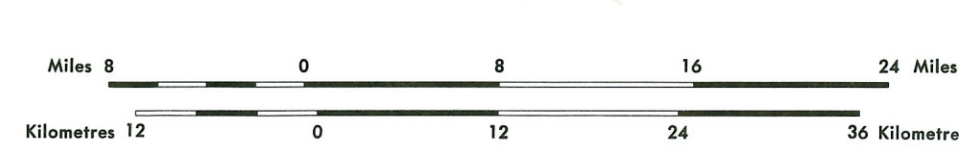


Published 1993



**MAP 93-16**  
**GEOLOGY OF THE NASKAUPI RIVER REGION,**  
**CENTRAL LABRADOR (13NW)**  
**Scale 1:500 000**



**MINERAL OCCURRENCES**

Prospect  $\square$   
Showing  $\times$   
Indication  $\times$

**MINERALIZATION ABBREVIATIONS**

Zn	Zinc
Cu	Copper
Pb	Lead
Be	Beryllium
Rm	Rare metals (Niobium, Yttrium, Rare Earths, Thorium and Zirconium)
Zr	Zirconium
Fe	Iron (as hematite)
Ti	Titanium (as ilmenite or ilmeno-magnetite)
PGE	Platinum-Group-Elements, chiefly Platinum, Palladium and Rhodium
U	Uranium
Ni	Nickel
Fl	Fluorite
asb	Asbestos
pyr	Pyrrhotite
py	Pyrite

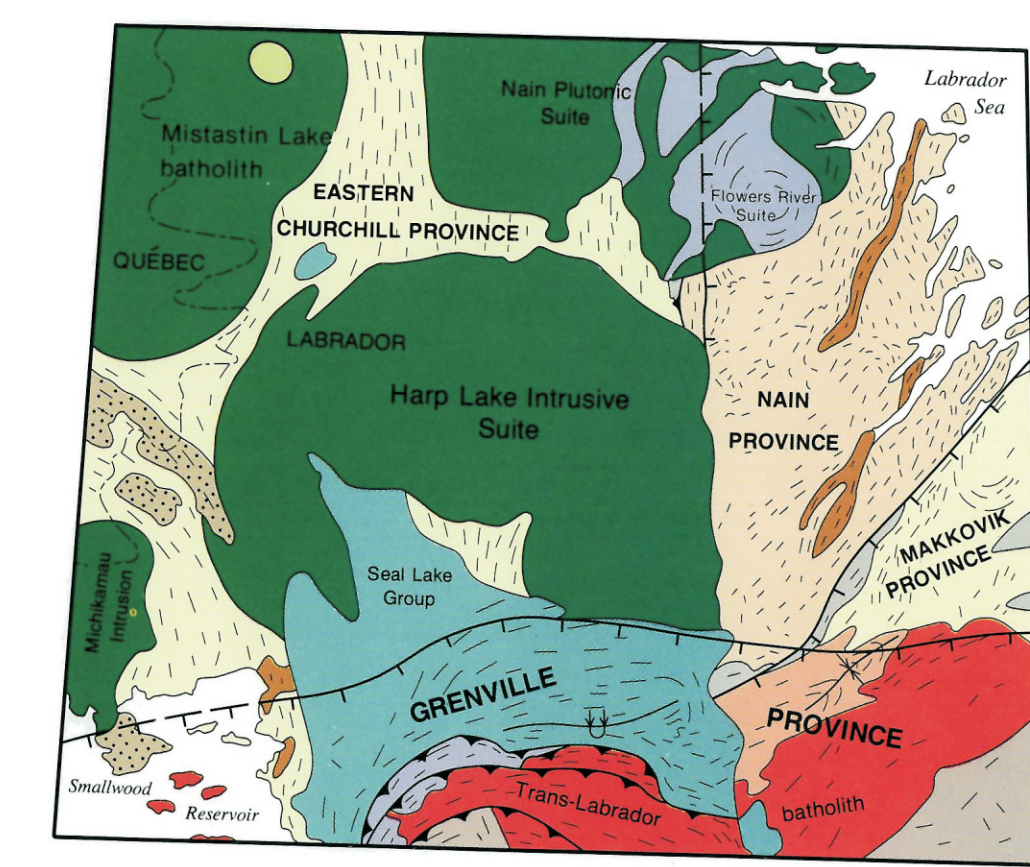
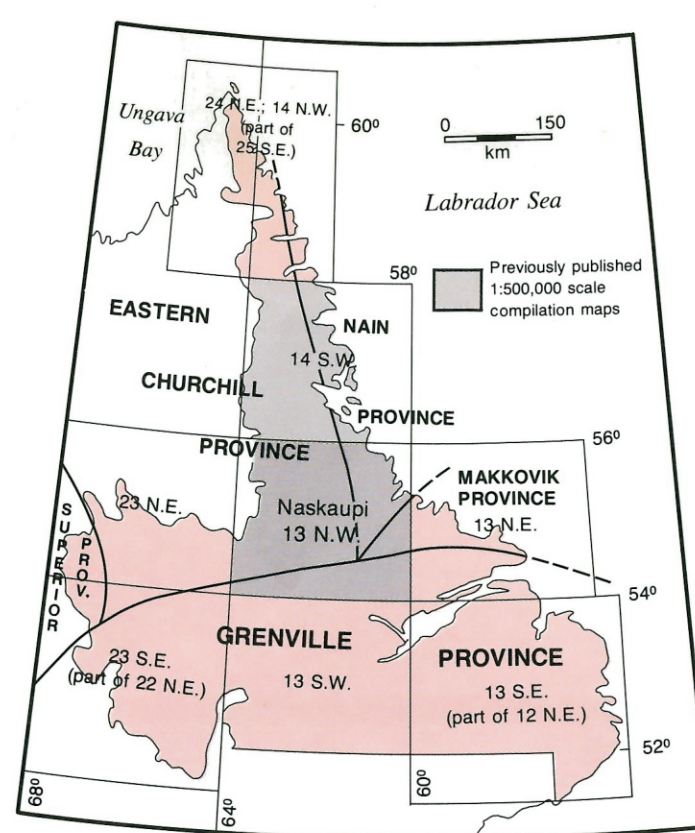
**Compilation Sources and Techniques**

- This map is part of a series of 1:500 000 compilation maps of Labrador. Other maps in the series are shown on the Index Map.
  - Geology has been compiled from the major sources shown on the accompanying diagram and list of references, but has been partly re-interpreted, particularly in areas of relatively old mapping. Re-interpretation has been aided by the use of in-house colour shaded relief aeromagnetic maps prepared by J. Kilfoil of the Geophysics and Geochemistry Section, Geological Survey Branch.
  - Not all units shown in the legend are in stratigraphic order.
  - Subdivisions of the Precambrian time scale follow the IUGS recommendations (Plumb and James, 1996). Copies of this map are available from the Publications and Information Section, Geological Survey Branch, Department of Mines and Energy, P.O. Box 8700, St. John's, N.F. A1B 4J6.
- The geological map (excluding structural, mineral deposit and geochronological information) is also available in digital form on request to the compiler.
- Compilation by R.J. Wardle, 1991, with assistance from L.V.J. Crisby-Whittle. Digitization and interim computer-assisted drafting were carried out by T. Leacock. Geological cartography and colour separation by T. Paltanavage and T. Sears, photomechanical and colour processing by D. Leonard, under supervision of K. Byrne, Cartographic Unit, Geological Survey Branch, Department of Mines and Energy.
- Recommended citation: Wardle, 1993. Geology of the Naskaupi River Region, Central Labrador (13 NW), Scale 1:500 000. Newfoundland Department of Mines and Energy, Geological Survey Branch, Map 93-16.

**SYMBOLS**

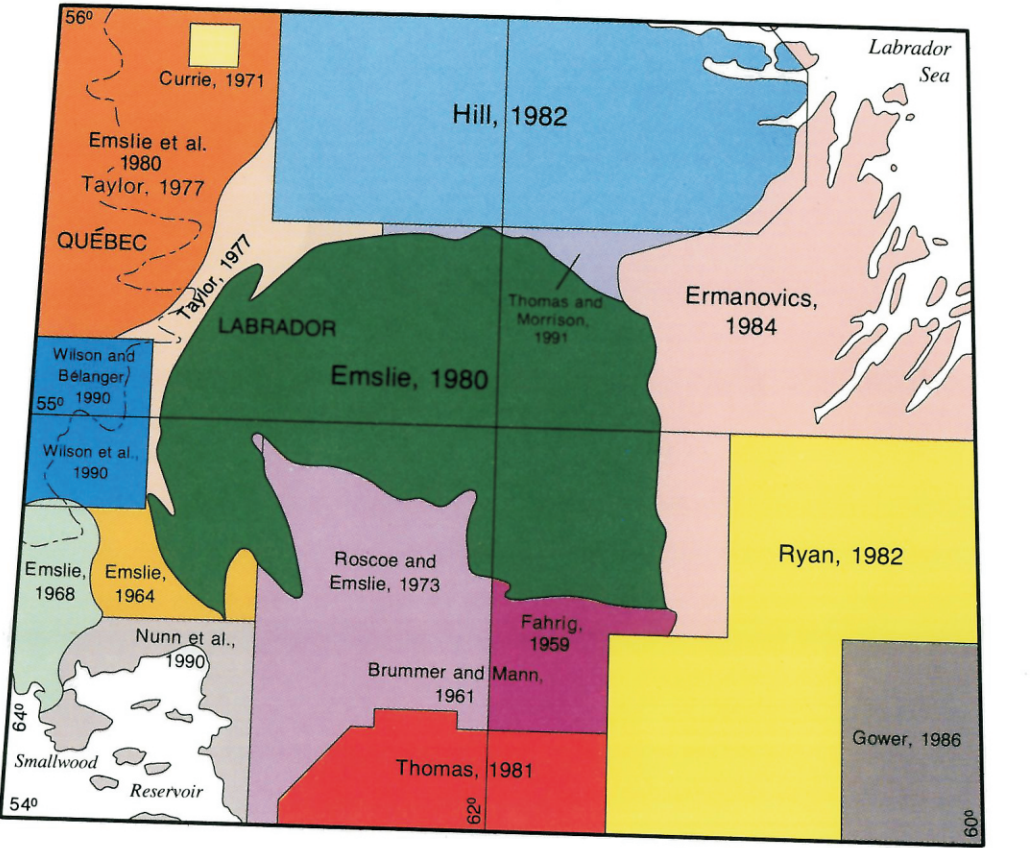
- Unpaved access road, summer only  $\cdots$
- Areas in which the bedrock geology cannot be interpreted due to thick Quaternary glacial and fluvio-glacial drift cover  $\cdots$
- Geological contact  $\cdots$
- Major fault  $\cdots$
- Minor fault  $\cdots$
- Thrust fault  $\cdots$
- Structural trends; in part taken from air photographs and aeromagnetic maps  $\cdots$
- Ductile shear zone  $\cdots$
- Metamorphic isograd: ch - chlorite; opx - orthopyroxene  
ornament on high-grade side  $\cdots$
- Bedding: inclined, vertical, horizontal  $\cdots$
- Igneous layering or lamination: inclined, vertical  $\cdots$
- Foliation/cleavage: inclined, vertical  $\cdots$
- Unisitic foliation and banding: inclined, vertical, trend only  $\cdots$
- U-Pb age date locality, age in Ma  $\cdots$

**Index Map**



**STRUCTURAL PROVINCES, MAJOR STRATIGRAPHIC AND TECTONIC FEATURES OF THE MAP AREA**

- LEGEND**
- TERTIARY**
- Mistastin Impact Crater: 38 Ma
- MIDDLE PROTEROZOIC**
- Sedimentary and volcanic rocks, e.g. Seal Lake Group
  - Anorthosite-granite plutonic suite: 1460 to 1300 Ma
  - Peralkaline-alkaline volcano-plutonic suite: 1330 to 1270 Ma
- LOWER PROTEROZOIC**
- Volcanic cover rocks of Trans-Labrador batholith, ca. 1650 Ma
  - Granitoid plutons of Trans-Labrador batholith, ca. 1650 Ma
  - High-grade Labradorian gneisses of interior Grenville Province: 1700 to 1650 Ma
  - Sedimentary and volcanic rocks of Makkovik and Eastern Churchill provinces: 2000 to 1800 Ma
- ARCHAEO AND/OR LOWER PROTEROZOIC**
- Probable Archaean metamorphic and metasedimentary rocks of Eastern Churchill Province
  - Gabbro and granitoid rocks of Makkovik and Eastern Churchill provinces
- ARCHAEO**
- Metamorphic rocks of Nain Province and interior Eastern Churchill Province: ca. 2670 Ma
  - Gneisses and granitoid rocks of Nain Province: 3100 to 2820 Ma
- SYMBOLS**
- Structural Province boundary
  - Thrust
  - Structural Trends
  - Syncline, overturned syncline



**MAJOR COMPILATION SOURCES**

- NOTE: Outlined areas refer to the parts of source maps that were used in the compilation; not necessarily the full area covered by the source map.
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**TERTIARY**

Ts, Td

**MIDDLE PROTEROZOIC**

Pmga

Pmpv

Pmpg

Pslp

Pslq

Pslr

Psls

Pslt

Pslu

Pslv

Pslw

Pslx

Pslz

Pslaa

Pslab

Pslac

Pslad

Pslae

Pslaf

Pslag

Pslah

Pslai

Pslaj

Pslak

Pslal

Pslam

Pslan

Pslao

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Pslao

Pslap

Pslaq

Pslar

Pslas

Pslat

Pslau

Pslav

Pslaw

Pslax

Pslay

Pslaz

Pslaa

Pslab

Pslac

Pslad

Pslae

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Pslam

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Pslap

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Pslar

Pslas

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Pslau

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Pslaw

Pslax

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Pslaz

Pslaa

Pslab

Pslac

Pslad

Pslae

Pslaf

Pslag

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**LEGEND**  
(see note at bottom regarding age references)

**MAKKOVIK PROVINCE**

**LOWER PROTEROZOIC**

Pgd

Pgd

Pgd + Agn

Pgd

Pgd

Pgd

Pgd

Pgd

Pgd

Pgd

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Pgd

Pgd

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