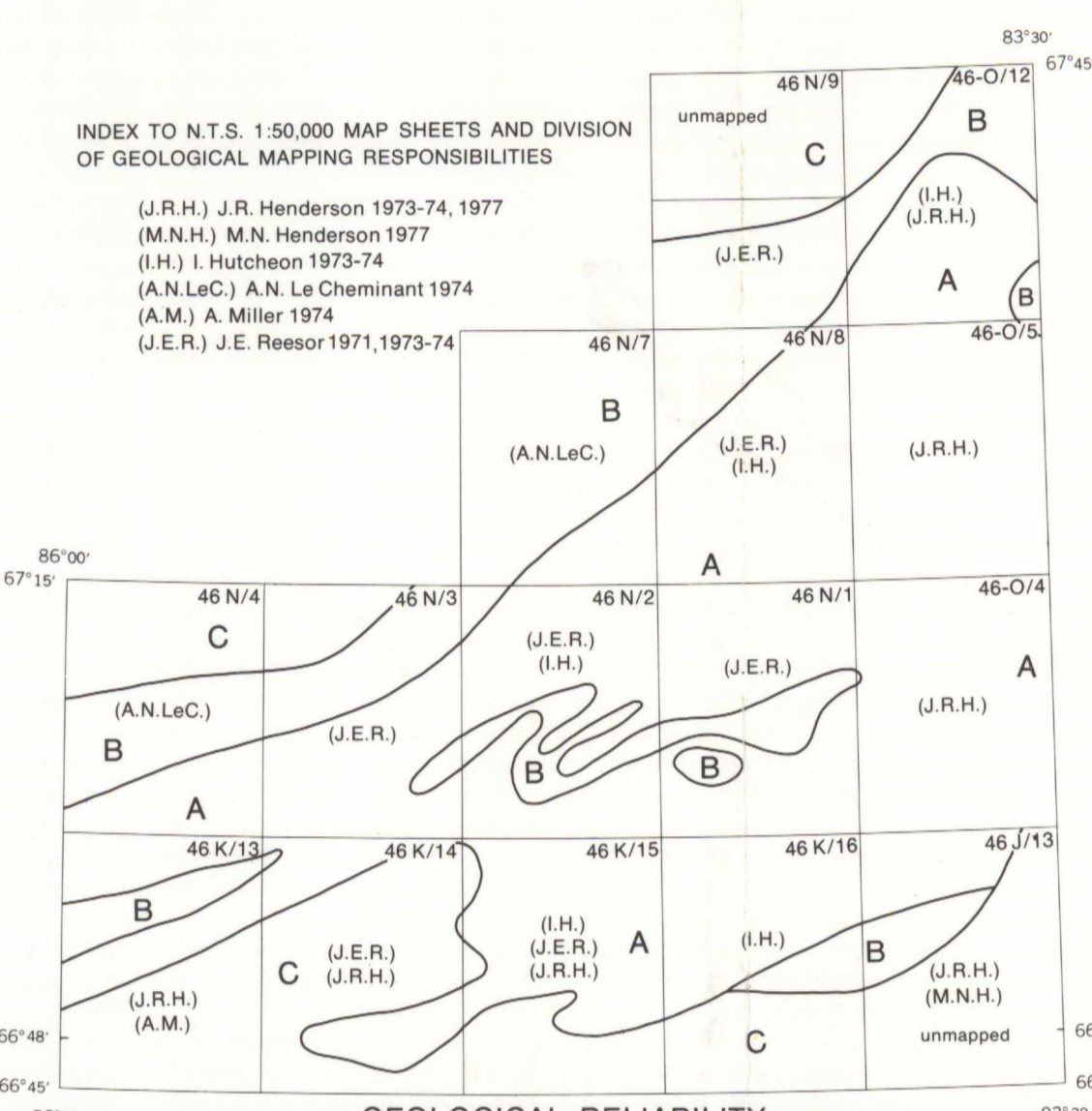
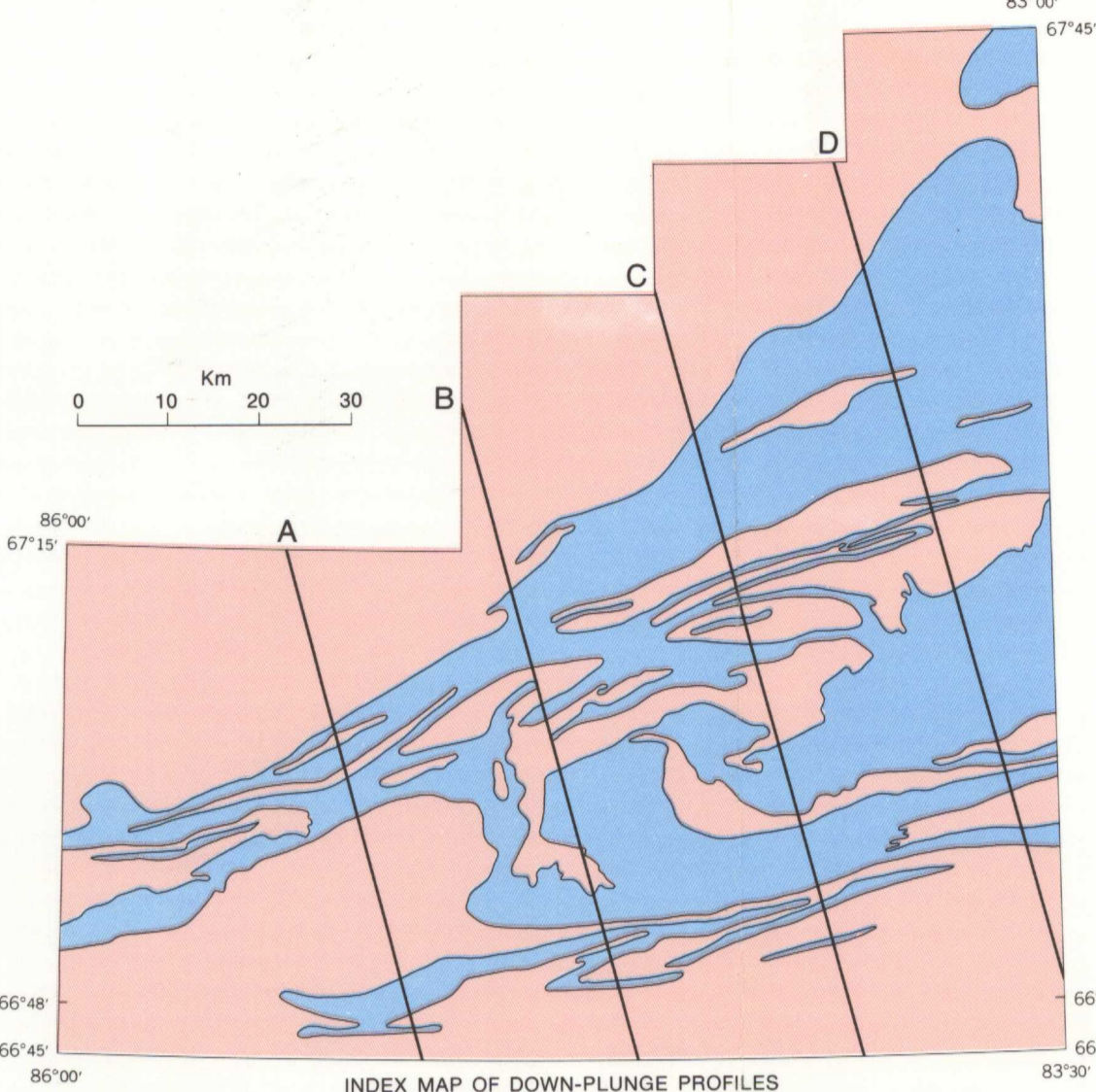


MAP 1510A GEOLOGY SOUTHERN MELVILLE PENINSULA DISTRICT OF FRANKLIN

Scale 1:100 000
Kilometers 0 10 20 30
Miles 0 10 20 30
Universal Transverse Mercator Projection
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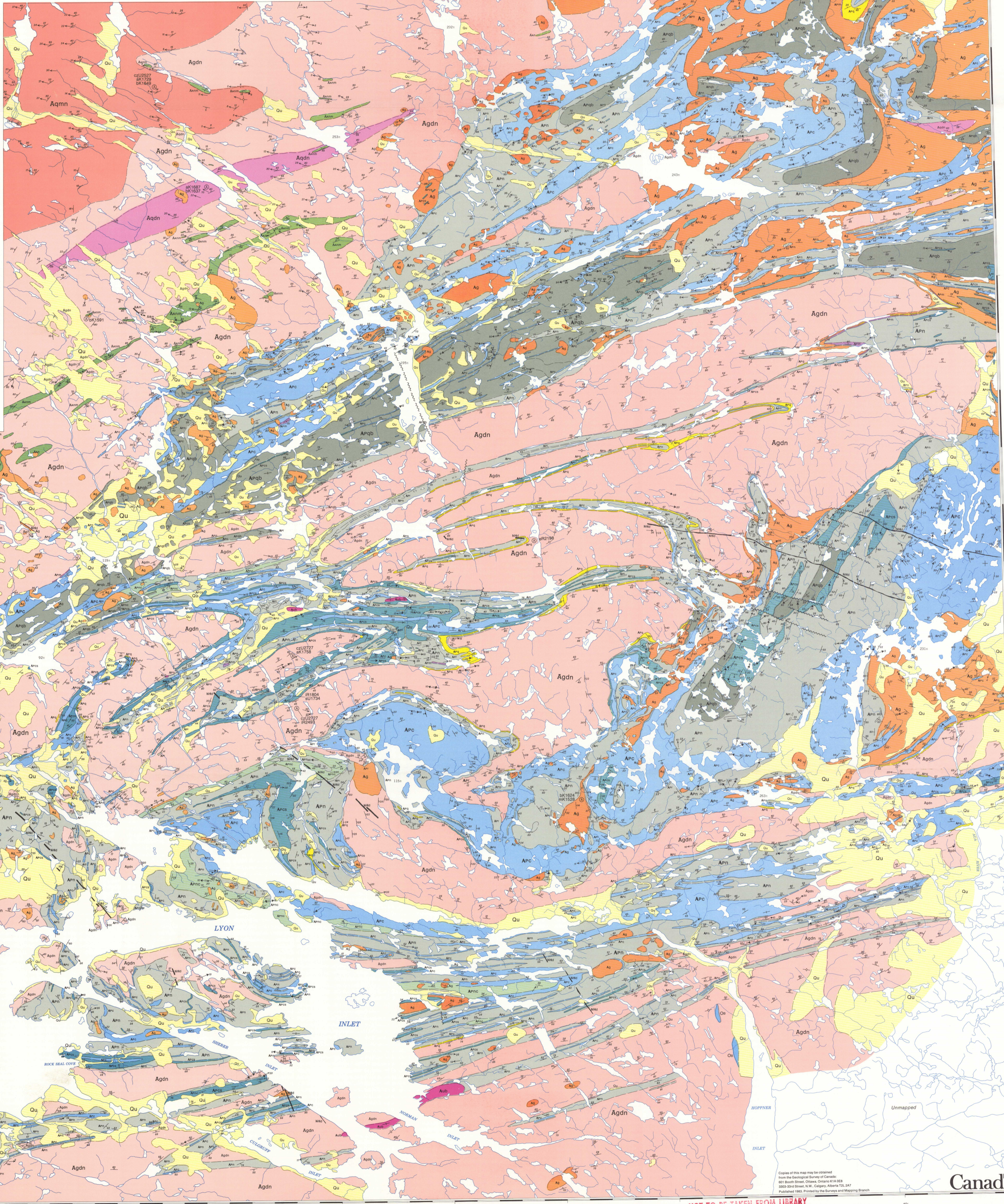
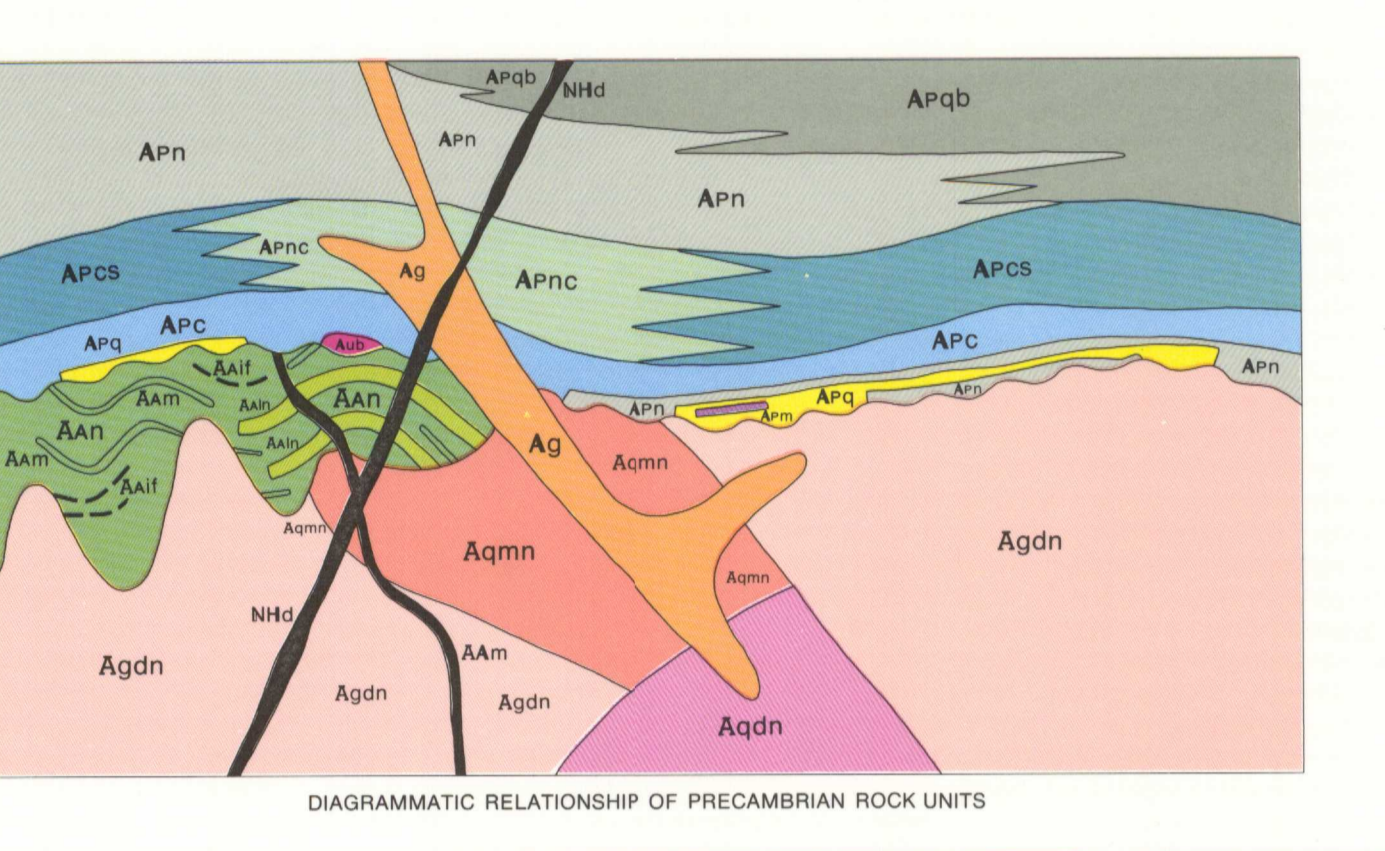
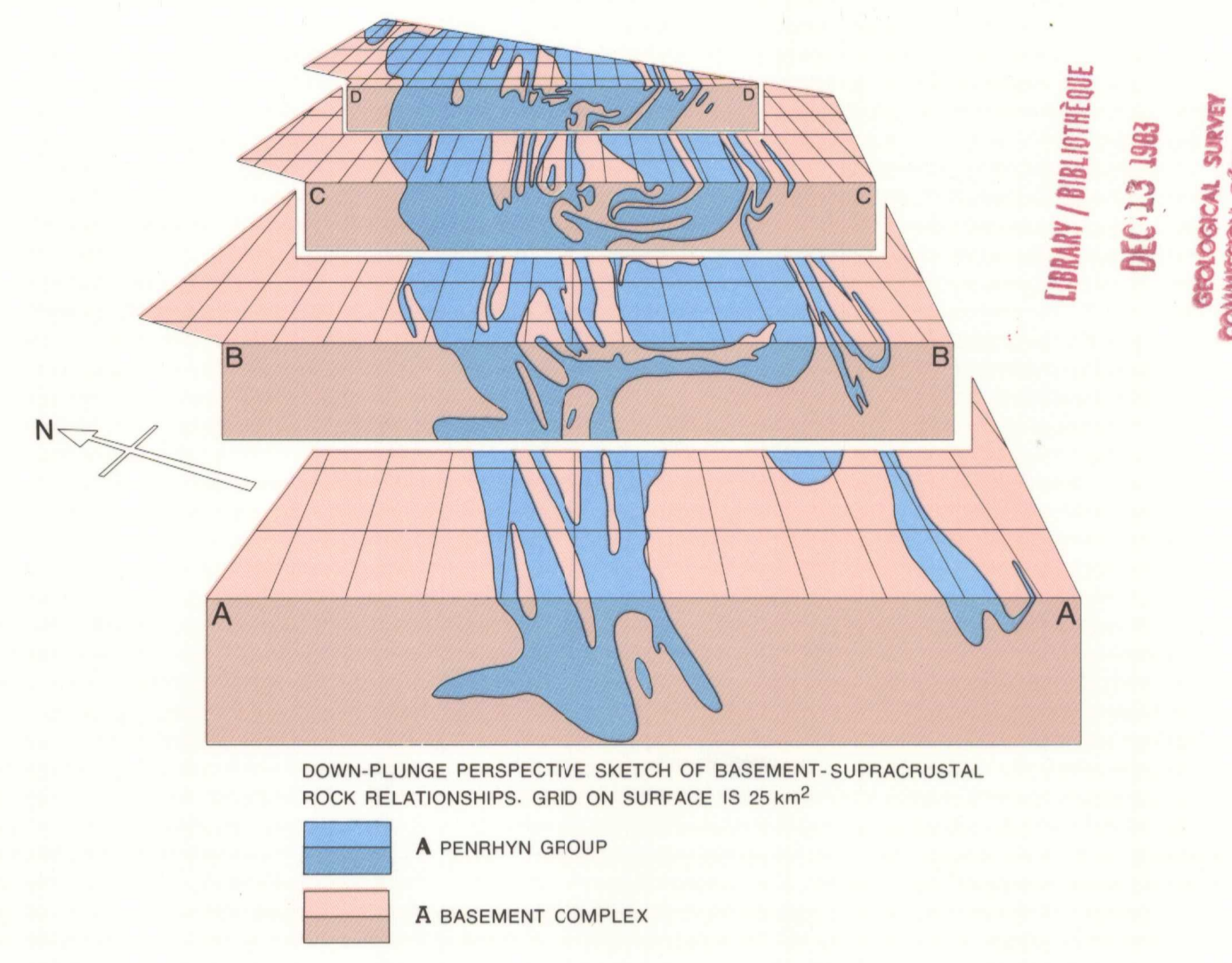
LEGEND

- QUATERNARY**
Qu Unconsolidated glacial drift with associated marine, lake, river and bog deposits, includes some periglacial slope deposits and taluscones
- ORDOVICIAN**
Os BAO CACHE RAPIDS FORMATION: limestone
- NEOHELVETIAN OR MICHYNIAN**
Diorite dykes
- PENNYNY GROUP**
Ag Applitic to pegmatitic granitic rocks, mainly granodiorite
Aub Coarse grained granular hornblende, pyroxene, olivine, garnet, orthopyroxene rocks; minor metagabbro and amphibolite
Apqb Medium to fine-grained feldspar to massive quartzofeldspathic granitic gneiss with biotite schist or marble laminae
Aprn Medium grained pelitic gneiss with graphite, garnet, cordierite and sillimanite (Aprn); subordinate leucocratic veins and laminae; rusty weathering; potassium feldspar, quartz, graphite schist (Aprn)
Aprc Medium grained, massive quartzofeldspathic calcic-silicic gneiss (Aprc); major minerals are plagioclase, quartz, microcline and clinopyroxene, saussuritized calcic-silicic gneiss (Aprc)
Aprs Medium grained, laminated calcic-silicic gneiss and marble; major minerals are plagioclase, diopside, microcline, quartz and calcite
Apc Coarse grained white calcite marble; commonly has dispersed diopside, clinochlore, pyroxene, microcline, quartz and garnet
Aprm Medium grained homogeneous amphibolite
Aprq Coarse grained white quartzite, minor disseminated biotite, feldspar, sillimanite and garnet; some lenses of biotite, sillimanite, graphite, quartz schist
- AMPHIBOLITE**
Aan Amphibolite dykes
- GRANITOID GNEISS**
Agdn Hornblende quartz diorite augen gneiss, locally abundant inclusions of hornblende paragneiss, and amphibolite
Aqmn Hornblende quartz monzonite augen gneiss, locally abundant inclusions of hornblende paragneiss, and amphibolite
Agdn Medium to coarse grained layered biotite, hornblende granite to granodiorite gneiss, rare amphibolite lenses
- PRINCE ALBERT GROUP**
Aanm Fluorite-bearing felsic Albit Group (Aanm); hornblende paragneiss (Aan) and fine-grained amphibolite gneiss (Aan)
Aan Leucocratic quartzofeldspathic gneiss
Aan Iron formation: mainly banded quartz magnetite, minor iron sulphide and iron silicate
- Lithological contact surface trace (defined, approximate, inferred):**
 - Building and generally horizontal (inclined, vertical)
 - Mineral foliation and schistosity (horizontal, inclined, vertical)
 - Fold axial surface (inclined, vertical)
 - Fold axis trend and plunge
 - Mineral lineation, rodding and motion trend and plunge
 - Fault surface trace (defined, approximate)
 - Locality of isotopic age determination in millions of years
- Method:** Potassium-Argon, Rubidium-Strontium, Uranium-Thorium-Lead
- Mineral:**
 - amphibole
 - biotite
 - orthopyroxene
 - muscovite
 - sphene
 - orthoclase
 - whole-rock zircon
 - zircon



GEOLOGICAL RELIABILITY
A CONTACTS MAPPED BY CLOSELY SPACED FOOT TRAVERSES
B GEOLOGY INFERRED BETWEEN WIDELY SPACED FOOT TRAVERSES AND SCATTERED SPOT LANDINGS
C GEOLOGY INFERRED BETWEEN WIDELY SPACED HELICOPTER TRAVERSES WITH SCATTERED SPOT LANDINGS

Geology by J.R. Henderson 1973-74, 1977, M.N. Henderson 1977, J. Hutchinson 1979-80, A.N. LeCheminant and A. Miller 1974, and J.E. Resor 1971, 1973-74
To accompany Bulletin 324 by J.R. Henderson
Geological cartography by the Geological Survey of Canada
Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada
Base map cartography with some generalization by the Geological Survey of Canada from maps published at 1:50,000 scale by the Survey and Mapping Branch in 1974



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