

- ORDOVICIAN**
- 15 Ottawa Formation: grey limestone
- disconformity
- 14 Rockliffe Formation: interbedded green shale and siltstone with medium to coarse-grained quartz sandstone lenses
- disconformity
- 13 Oxford and March Formations: brown silty dolomite; minor grey sandstone in basal units
- ORDOVICIAN AND CAMBRIAN**
- 12 Nepean Formation: light yellow-brown and medium grey quartz sandstone
- unconformity
- PROTEROZOIC**
- 11 Diabase dykes
- PROTEROZOIC (GRENVILLE)**
- INTRUSIVE ROCKS**
- 10 Monzonite and related rocks
- 9 Red syenite
- 8 Red granodiorite and granite
- 7 White coarse-grained granite
- 6 White and grey, fine to medium-grained granodiorite gneiss
- 5 Syenite gneiss
- PROTEROZOIC AND (?) OLDER (GRENVILLE)**
- PARAGNEISSES**
- 4 Interlayered amphibolite and biotite-hornblende gneiss and schist, with subordinate granite and granitic gneiss
- 3 3(a) Granitic gneiss with amphibolite and biotite-hornblende gneiss and schist; 3(b) includes minor pyroxenite and marble; 3(c) includes minor quartzofeldspathic gneiss and feldspathic quartzite
- 2 2(a) Quartz-biotite-hornblende gneiss and schist; 2(b) garnet-hornblende-biotite gneiss and amphibolite; rusty weathering quartz-biotite schist
- 1 Marble: 1(a) white and light grey coarse-grained marble; 1(b) medium and dark grey, well banded, fine to medium-grained marble; 1(c) marble, quartzite, and garnet-quartz-biotite gneiss; 1(d) migmatite: white coarse-grained marble and granite; 1(e) undifferentiated marble, quartzite, biotite schist, minor granite, syenite gneiss, and unit 4 in part

- Bedding: tops known, inclined
- Foliation: dip unknown, inclined, vertical, horizontal
- Mineral lineation: direction and plunge
- Igneous layering: inclined
- Plunging fold axis: synform, antiform
- Minor fold: direction and plunge of axis, direction of axial trace
- Fault: defined, probable, inferred
- Contact: defined, approximate, assumed
- Intertonguing map units
- Outcrop
- Glacial striae

Precambrian geology by Kent Wayne Livingstone, Patrick Arthur Hill, and others, 1963, 1964, 1965, compiled by Kent Wayne Livingstone 1965

Palaeozoic geology by Alice E. Wilson, compiled by John Laurence Kirwan 1963

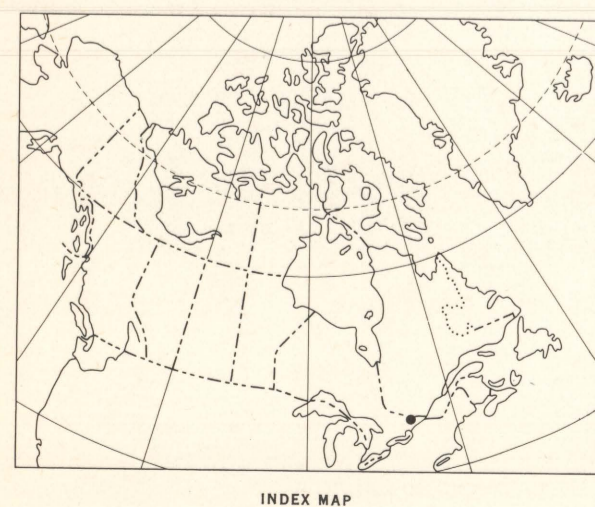
Cartography by Ronald S. Hill

Base map compiled and drawn by the Army Survey Establishment, R.C.E. Department of National Defence, 1929

Approximate magnetic declination, 11°45' west  
Annual magnetic change 2' easterly



TO ACCOMPANY GEOLOGICAL PAPER 69-1

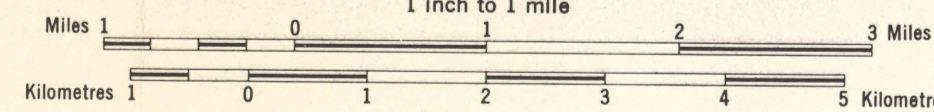


PRELIMINARY GEOLOGICAL MAP

ARNPRIOR  
ONTARIO

Scale 1:63,360

1 inch to 1 mile



- Main highway
- Other roads
- Trail
- Railway
- Township boundary
- Electric power line; on steel towers
- Buildings
- School
- Post Office
- Church
- Cemetery
- Swamp or marsh
- Intermittent stream
- Inundated land
- Contours (interval 25 feet)
- Height in feet above mean sea-level