

LEGEND

ORDOVICIAN

MIDDLE ORDOVICIAN (BLACK RIVER)

- 16 GULL RIVER FORMATION: Pamelia beds, light grey to white, microcrystalline to cryptocrystalline dolomitic limestone and limestone; 16a, Rideau beds below Pamelia beds: green shale and sandstone, minor conglomerate and fragmental layers; 16b, Lowville beds (above Pamelia): grey brown, well bedded, fossiliferous limestone

LOWER ORDOVICIAN OR CAMBRIAN

- 15 POTSDAM OR NEPEAN FORMATION: sandstone, some conglomerate

PALAEOZOIC

PRECAMBRIAN

- 14/ Porphyritic and amygdular andesite dykes
- 13/ Diabase dykes
- 12 Coarse-grained, massive, leucocratic, pink to brownish grey monzonite, syenite, quartz monzonite, granodiorite, and syenodiorite
- 11 Medium-grained, leucocratic red granite
- 10 White pegmatite, everywhere associated with marble or lime-silicate rocks; 10a, white granite; 10b, white diorite
- 9 Gabbro
- 8 Migmatite: poorly foliated intermixed granitic and metamorphic rocks
- 7 Pyroxene granulite: fine-grained, leucocratic, generally massive rocks, rich in quartz and feldspar and containing minor diopside
- 6 Pyroxene gneiss: well foliated diopside-rich gneiss, minor amphibolite
- 5 Stratiform biotite-quartz-feldspar gneiss with granitic layers, generally contains hypersthene, cordierite, or sillimanite
- 4 Well-layered garnet-biotite-quartz-feldspar gneiss, containing hypersthene, cordierite, or sillimanite
- 3 White homogeneous quartzite
- 2 Interlayered quartzite-marble transition rock, generally finely laminated and associated with lime-silicates
- 1 Crystalline limestone (marble), siliceous crystalline limestone and skarn, includes fragments of white pegmatite (10); 1a, rusty-weathering, quartz-diopside-feldspar gneiss

- Geological boundary (defined, assumed)
- Stratiform foliation (parallel to bedding),
horizontal, inclined, vertical + / /
- Gneissosity (inclined, vertical, dip unknown) / / /
- Lineation (inclined, may be combined with
other symbols; horizontal) / /
- Mylonite lamination (inclined, vertical) + +
- Minor fold (arrow indicates plunge) /
- Lineament (from air photographs) |||
- Fault (defined) ~~~~~
- Mylonite zone (width indicated) |||||
- Anticline ^
- Syncline v
- Glacial striae /
- Sand and gravel *
- Quarry or mineral pit X

MINERALS

Galena gn	Silica sc
Mica mi	Sphalerite sp
Pyrite py	Stone st
Quartz crystals. q	Sand s

Geology by H. R. Wynne-Edwards, 1961

Cartography by the Geological Survey of Canada, 1962

- Main highway (15)
- Other roads ==
- Trail - - - - -
- Railway + + + + +
- International boundary - - - - -
- County boundary - - - - -
- Telephone line - - - - -
- Post Office P
- Cliff ~~~~~
- Marsh *
- Height in feet above mean sea-level 245'