

1:50,000

LEGEND

**SILURIAN - DEVONIAN**

**11 WILD COVE POND IGNEOUS COMPLEX:** Unspersed biotite + hornblende + quartz diorite, granodiorite, porphyritic feldspar biotite granite, plitic and pegmatitic dikes; minor biotite-muscovite granite and minor monzonite, quartz syenite and gabbro; 11a, dominantly medium to coarse grained equigranular to porphyritic biotite granite; 11b, dominantly medium grained equigranular muscovite + biotite granite, locally garnetiferous; 11c, dominantly medium to coarse grained biotite + hornblende granodiorite, locally feldspar porphyritic; 11d, dominantly gray biotite + hornblende diorite and hornblende diorite, locally feldspar porphyritic; 11e, contact migmatite, includes hybrid gneisses and local agmatite.

**EOCAMBRIAN - MIDDLE ORDOVICIAN**

**10 GRANBY ISLAND FORMATION:** Dark gray to black slate, argillite, and graywacke; minor boulder conglomerate.

**FLEUR DE LYS SUPERGROUP (2-7)**

**7** Unspersed psammite, pelitic, graphitic and mafic schist; includes rocks equivalent to units 2-6.

**8** White to gray, medium to coarse grained meta-granodiorite.

**6** **BIRCHY COMPLEX:** Mafic schist and amphibolite; minor semipelite schist containing pods of bright green actinolite schist. Includes interlayered psammite schist between Trap Pond and Beck's Pond.

**4** **WHITE BAY GROUP:** Unspersed semipelite, pelitic and graphitic schist with psammite, garnetiferous and mafic schist; minor marble; 4a, dominantly marble and carbonate schist; 4b, amphibolite and mafic schist; 4c, graphitic schist; 4d, dominantly garnetiferous quartz-muscovite semipelite schist, psammite schist, locally magnetite-rich; minor graphitic schist; 4e, *Oxley Mountain Amphibolite*: Gray green amphibolite with relict diabasic texture, south of Hampden includes screens of granitic gneiss (Grenville?); minor metaconglomerate.

**2** **OLD HOUSE COVE GROUP:** Interlayered buff to gray weathering psammite and semipelite schist; minor graphitic schist.

**3** Amphibolite dikes, sills and pods; also occur in unit 7. Locally eclogitic in unit 1.

**5** **BATTILING BROOK GROUP:** Dominantly quartz-biotite semipelite schist with interlayers of garnetiferous quartz-muscovite semipelite, graphitic and mafic schist; minor psammite schist.

**9** **ADVOCATE COMPLEX:** Serpentinized ultramafic rock; remnants of an schistite.

**1** **EAST POND METAMORPHIC SUITE:** Fine grained, thin to medium layered gray psammite and semipelite schist; intensely deformed.

SYMBOLS

- Geological boundary (defined, approximate, assumed, gradational) .....
- Bedding, tops known (inclined, overturned) .....
- Primary igneous layering, tops unknown (inclined, vertical) .....
- Foliation in igneous rock, may be primary or tectonic (inclined, vertical) .....
- \*Primary observed schistosity (inclined, vertical) .....
- \*Secondary observed schistosity (inclined, vertical) .....
- \*These symbols represent only relative ages of schistosity as observed in individual outcrop; regional correlation not inferred. "X" by symbol indicates schistosity in a xenolith.
- Composite schistosity, involving primary and secondary schistosity (inclined, vertical) .....
- Relative age of composite fabric inferred from observed regional relationships.
- Genesis foliation (inclined, vertical) .....
- Axes of minor folds (inclined) associated with primary schistosity .....
- associated with secondary schistosity .....
- Sense of vergence (looking along arrow) .....
- Lineations (horizontal, inclined) .....
- Type of lineation: Mineral .....
- S intersections .....
- Age of lineation: related to primary schistosity .....
- related to secondary schistosity .....
- Lineament (from air photographs) .....
- Fault (defined, approximate, assumed) .....
- Shear zone (width indicated) .....
- Anticline (defined) .....
- Syncline (approximate) .....
- Glacial Striae .....

- Minor moraines .....
- Mineral occurrence .....
- Rock quarry (abandoned) .....
- Mineral lograd .....
- Age determination (millions of years) .....
- Method: K/Ar .....
- Biotite .....

MINERAL ABBREVIATIONS

- Asbestos .....
- Andalusite .....



Geology by J. Hibbard, W. Muggridge and J. Gagnon (1979); the eastern portion of the Kings Point sheet compiled from Kidd (1974).

Stratigraphic units used on this map will be formalized and described in a forthcoming memoir on the geology of the Bale Verte Peninsula (Hibbard, in prep.).

Geological Cartography by Mineral Development Division, Department of Mines and Energy, Government of Newfoundland and Labrador.

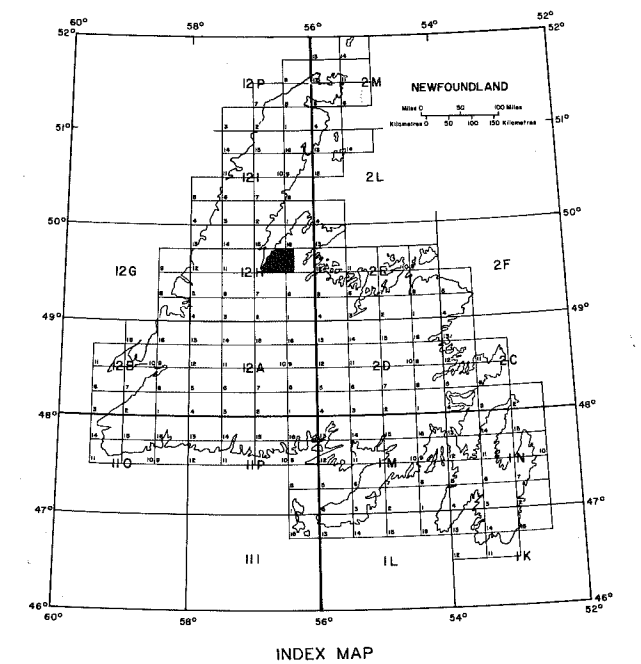
Copies of this map may be obtained from the Publications and Information Section, Mineral Development Division, Department of Mines and Energy, P. O. Box 4750, St. John's, Newfoundland A1C 5T7.

Base map at same scale published by the Surveys and Mapping Branch, Department of Energy, Mines and Resources, Ottawa, 1971.

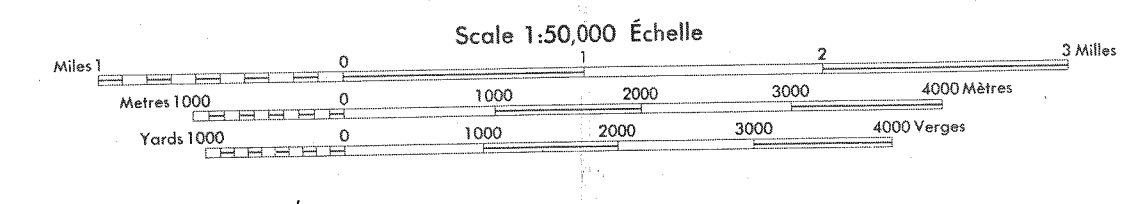
Elevations in feet above mean sea level.

Approximate magnetic declination, 1969, for centre of map, 29° 56' west, decreasing 3.1" annually.

This project was financed under the Canada/Newfoundland Mineral Development Subsidiary Agreement (1977-1981) by contributions from the Government of Newfoundland and Labrador (10 percent) and from the Departments of Regional Economic Expansion (45 percent) and Energy, Mines and Resources (45 percent) of the Government of Canada.



MAP 80-9  
HAMPDEN EAST / KING'S POINT WEST



Cross sections 80-9A to accompany this map