

### LEGEND

**DEVONO-CARBONIFEROUS**

**SOUTH MOUNTAIN BATHOLITH**

- DCm** LEUCOMONZOGRANITE: light grey to buff, fine- to medium-grained, equigranular or slightly porphyritic, 4-6% biotite, 1-4% muscovite, devoid of xenoliths.
- DCmgk** DAVIS LAKE MONZOGRANITE: whitish-grey locally with mottled blue-grey/whitish colour, medium- to coarse-grained, very megacrystic (20-40%) with megacrysts up to 12 cm in length, common rapakivi texture, 5-10% biotite, trace-2% muscovite, 1-3% cordierite, rare xenoliths.
- DCmgS** KEJIMUKIJK MONZOGRANITE: medium grey, fine- to coarse-grained, megacrystic (approximately 10%) with subhedral uniform-sized alkali feldspar megacrysts (1 x 2-2.5 cm), 12-16% biotite, trace-1% muscovite, xenoliths are common.
- DCmgSi** SCRAG LAKE MONZOGRANITE: light to medium-grey, medium- to coarse-grained, megacrystic (5-15%) with variable sized megacrysts, minor rapakivi texture, sub-rounded quartz eyes to 1.5 cm, 10-16% biotite, trace-1% muscovite, may contain trace garnet and/or cordierite, common to abundant metasedimentary (?) xenoliths (5 cm > 1 m).
- DCmgSg** SCRAG LAKE GRANODIORITE: very similar to DCmgSG except is granodioritic in composition. Biotite content generally higher than in DCmgSG (10-22%).

**DEVONIAN (?)**

- ODm** MAFIC INTRUSIONS\*: area containing abundant boulders of gabbro; some peridotite and quartz gabbro; age uncertain.

**ORDOVICIAN-DEVONIAN**

- ODwk** WHITE ROCK AND KENTVILLE FORMATIONS (undivided)\*\*: quartzite, slate, siltstone, calcareous shale (fossiliferous), rhyolite, basalt, andesite.

**CAMBRO-ORDOVICIAN**

- COH** HALIFAX FORMATION: siltstone and slate.
- COg** GOLDENVILLE FORMATION: metagreywacke and minor slate.

Geology modified after:

- \*DAKERS, R. W. G. 1982: Assessment report of exploration in Annapolis and Digby Counties; Nova Scotia Department of Mines and Energy Confidential Assessment report.
- \*\*TAYLOR, F. C. 1969: Geology of the Annapolis - St. Mary's Bay map area, (21A, 21B East Half); Geological Survey of Canada Memoir 358, 65 p.

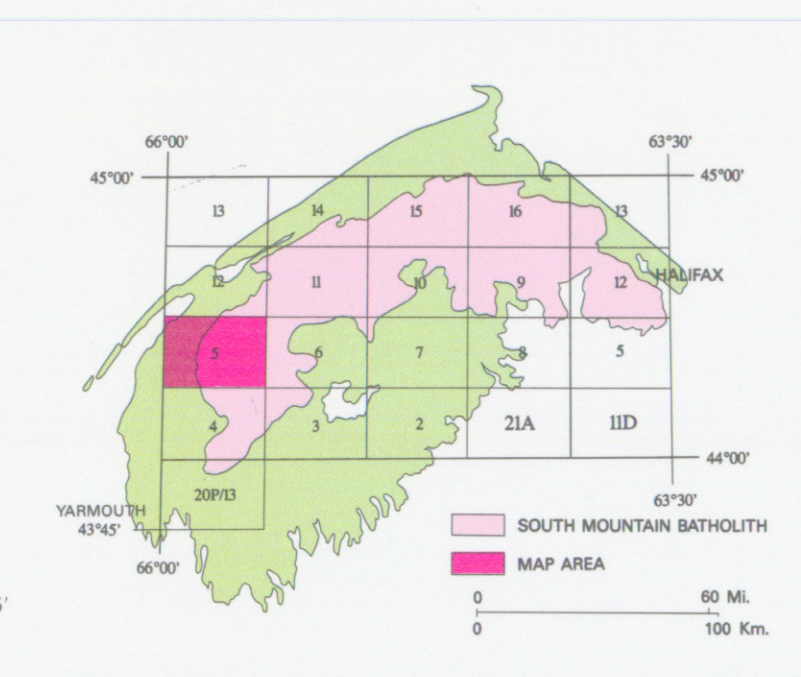
**COMMON MINERAL ABBREVIATIONS**

ad-andaluite; am-amethyst; ap-apatite; as-arsenopyrite; at-autunite; bi-biotite; bo-bornite; ca-calcite; cc-chalocite; ks-cassiterite; cp-chalcophyrite; ch-chlorite; cd-cordierite; cy-chrysocolla; fl-fluorite; gr-garnet; gr-garnet; he-hematite; il-ilmenite; ka-kaolinite; ma-malachite; man-manganese minerals; mo-molybdenite; mu-muscovite; po-pyrrhotite; py-pyrite; qtz-quartz; sh-scheelite; sl-sillimanite; sp-sphalerite; se-sericite; to-torbernite; tr-tourmaline; wo-wollframite.

**COMMON ALTERATION ABBREVIATIONS**

ALB-albitization; CHL-chloritization; DES-desilicification; HAA-high alumina; HEM-hematinization; KAO-kaolinization; LIM-limonization; POT-potassic (which includes biotitization and K-feldsparization); SAU-saundersitization; SIL-silicification; *intense and pervasive in capitals; slight to moderate in lower case.*

Planimetric base from National Topographic Series, Department of Energy, Mines and Resources, Ottawa.  
 Updated from aerial photography that was available in May, 1988  
 Cartography by Land Registration and Information Service, Amherst, Nova Scotia.



NOVA SCOTIA DEPARTMENT OF NATURAL RESOURCES  
 MINES AND ENERGY BRANCHES  
 MAP 94-04  
 GEOLOGICAL MAP OF  
**WEYMOUTH**  
 NOVA SCOTIA  
 (N.T.S. SHEET 21A/05)  
**SOUTH MOUNTAIN BATHOLITH PROJECT**  
 M. A. MACDONALD and L. J. HAM  
 SCALE 1 : 50 000  
 kilometres 1 0 1 2 3 4 kilometres  
 miles 1 0 1 2 miles  
 NOVA SCOTIA DEPARTMENT OF NATURAL RESOURCES  
 HONOURABLE DONALD R. DOWNE MINISTER  
 DARRELL D. HILTZ DEPUTY MINISTER  
 HALIFAX, NOVA SCOTIA  
 1994