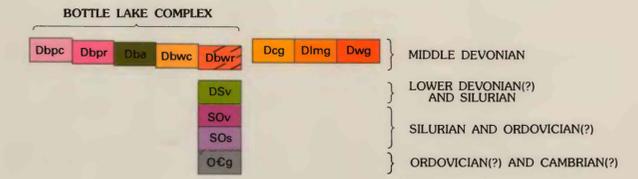
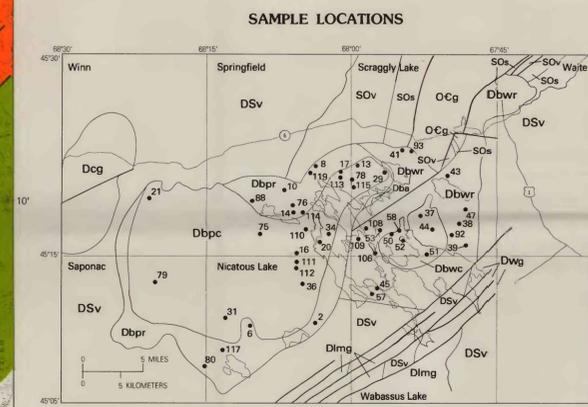


CORRELATION OF MAP UNITS



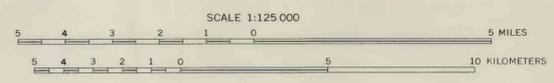
DESCRIPTION OF MAP UNITS

- PLUTONIC ROCKS**  
Bottle Lake Complex
- Passadumkeag River pluton**
    - Dbpc** Coarse-grained biotite-hornblende core facies; generally has quartz monzonitic composition, high color index, euhedral amphibole prisms, and abundant mafic inclusions
    - Dbpr** Coarse-grained biotite-hornblende granitic to quartz-monzonitic rim facies; commonly heterogeneous in texture; quartz forms large mosaic textures, generally poorer in mafic minerals and mafic xenoliths than rocks in the interior
  - Amphibolite**
    - Dba** Fine-grained, greenish black with sparse plagioclase and amphibole phenocrysts; found near the cataclastic zone only
  - Whitney Cove pluton**
    - Dbwc** Medium- to coarse-grained granite biotite core facies; homogeneous, typically porphyritic, and low color index
    - Dbwr** Coarse-grained biotite granite rim facies; equidimensional texture, low color index, biotite in pseudohexagonal books. Pattern shows area of Topsfield facies
- Other than Bottle Lake Complex**
- Dcg** Center Pond pluton; medium-grained rock ranging from diorite to biotite granite and containing abundant hornblende
  - Dimg** Undifferentiated granites in the Lead Mountain pluton; usually coarse-grained and biotitic to hornblende
  - Dwg** Medium-grained Wabassus Quartz Monzonite found only within Norumbega fault zone; lower mafic-mineral content than Bottle Lake Complex
- METAMORPHIC ROCKS**
- DSv** Vassalboro Formation—Calcareous siltstones and pelites showing prominent mineralogic zonation from contact metamorphic effects imposed by the Bottle Lake Complex
  - SOv** Undifferentiated volcanic rocks with rusty pelitic beds
  - SOs** Undifferentiated pelitic siltstones containing graded beds
  - OCg** Graywackes, siltstones, slates
- Structural Symbols:**
- 35° Inclined bedding
  - 60° Vertical bedding
  - Inclined cleavage
  - Vertical cleavage
  - Inclined joint
  - Vertical joint
  - Joint having variable strike
  - Joint having variable dip
  - Massive rock having no foliation
  - 72° Inclined cataclastic surface
  - Vertical cataclastic surface
  - Cataclastic surface having variable strike
  - Cataclastic surface having variable dip
  - Inclined foliation
  - Vertical foliation
  - Foliation having variable strike
  - Foliation having variable dip
  - Inclined leucocratic dike
  - Vertical leucocratic dike
  - Leucocratic dike having variable strike and dip
  - Leucocratic dike having variable dip
  - Abundant leucocratic dikes
  - Fault
  - Contact
  - (A) Locality referred to in text
- Note: Some symbols on map show strike and variable dip



Base from U.S. Geological Survey, 1:62,500  
Winn, 1960; Springfield, 1931; Scraggly Lake, 1941; Waite, 1940;  
Saponac, 1931-57; Nicasious Lake, 1932; Wabassus Lake, 1941-63

Geology by F. A. Ayuso and others (1977-79), based on fieldwork by D. Lantabee and others (1965), A. Ludman (1978), D. R. Wones (1979), and T. Scambos (1980)



BEDROCK GEOLOGIC MAP OF THE BOTTLE LAKE COMPLEX, MAINE