

EXPLANATION

bqm

**Binary Quartz Monzonite**  
Fine-grained, non-foliated, white, biotite — muscovite — quartz monzonite to coarse-grained, foliated, gray, biotite-muscovite-quartz monzonite or granodiorite.

Kqm

**Kinsman Quartz Monzonite**  
Coarse-grained, porphyritic, often foliated, gray quartz monzonite and granodiorite. K-feldspar phenocrysts up to 4 inches long.

Wqd

**Winnepesaukee Quartz Diorite**  
Medium-to-coarse-grained, usually well-foliated, gray, biotite quartz diorite.

DI

DIc

DIq

Dlk

**Littleton Formation**

Dark-gray to gray mica schist, often with garnet and/or sillimanite. Calc-silicate boudins are common.

DIc — Clay Brook Member. Rusty weathering gray sulfidic calc-silicate granofels and white graphitic schist.

DIq — Roundtop Quartzite Member. Massive to graded, light brown to gray quartzite and quartz-mica schist.

Dlk — Littleton extensively injected by Kinsman Quartz Monzonite.

CONTACTS

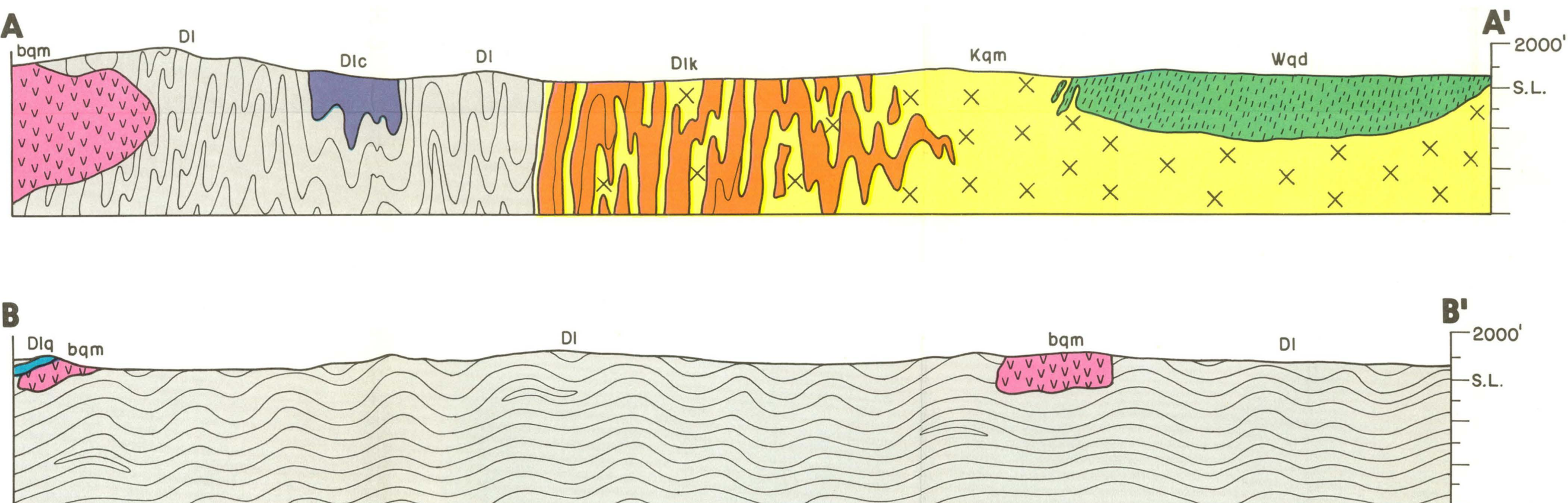
accurate

approximate

location inferred

STRUCTURAL SYMBOLS

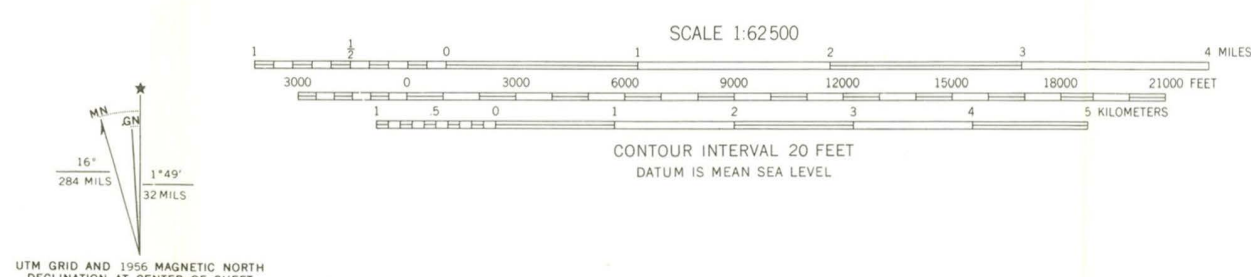
Strike and dip of inclined and vertical foliation or schistosity. Generally parallel or nearly parallel to bedding in metasediments.



Geologic Map and Structure Sections of the Holderness Quadrangle  
New Hampshire

Design and drafting of map by  
Graphic Arts Section  
Department of Resources and  
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Topographic base by  
U. S. Geological Survey



Geology by Evan J. Englund  
1969-1970-1971  
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