

EXPLANATION

- QUATERNARY**
- Qal**  
Alluvium  
Sand and gravel, glacial outwash
- LOWER JURASSIC OR UPPER TRIASSIC**
- WHITE MOUNTAIN PLUTONIC SERIES**
- wmc**  
Conway Granite  
Medium- to coarse-grained pink biotite granite with microcline-microperthite, albite-oligoclase and quartz. Includes fine-grained and sub-porphyratic types.
  - wmo**  
Mt. Osceola Granite  
Medium- to coarse-grained gray-green hasingsite granite with microperthite, quartz and hasingsite.
  - wma**  
Albany Porphyritic Quartz Syenite  
Dark green, gray and pink porphyritic quartz syenite with anorthoclase, microperthite, hasingsite, quartz, augite and magnetite.
  - wmm**  
Moat Volcanics  
Gray to dark blue-gray porphyritic rhyolite, dark gray to black porphyritic andesite, andesitic tuff and basalt with basaltic breccia.
- MIDDLE DEVONIAN**
- NEW HAMPSHIRE PLUTONIC SERIES**
- nhc**  
Concord Granite  
Gray calc-alkaline granite with microcline, oligoclase, biotite, muscovite and quartz. Medium-grained but locally sub-porphyratic. This color means area is about 1/3 granite and 2/3 pegmatite.
  - nhqm**  
Quartz Monzonite at Chase Hill  
Light gray to white quartz monzonite with microcline, oligoclase, biotite, muscovite and some sillimanite. This rock is medium- to coarse-grained and sub-porphyratic.
  - nhm**  
Trondhjemite  
Gray fine-grained trondhjemite with oligoclase, quartz, biotite and orthoclase. Minor muscovite. This color means area is about 1/3 trondhjemite and 2/3 pegmatite.
  - nhw**  
Winnepesaukee Quartz Diorite  
Medium-grained light gray quartz diorite and granodiorite with andesine, quartz, biotite, muscovite and orthoclase.
- LOWER DEVONIAN**
- Dib**  
**DI**  
**Dif**  
Littleton Formation  
Chiefly mica schists composed of biotite, muscovite, quartz, oligoclase, almandine, tourmaline, sillimanite; interbedded granofels common; small amounts of lime-silicate granofels; migmatite gneiss is common in places.  
Dib — Bisco sequence: chiefly gray-weathering mica schists; interbedded granofels common.  
Dif — Foss sequence: chiefly brown-weathering mica schist; local thin beds of quartz-andesine-biotite-actinolite-sphene granofels and migmatite gneiss.  
The outcrops in the area mapped as Littleton formation are two-thirds pegmatite; small bodies of granite and trondhjemite are also common.

STRUCTURAL SYMBOLS

- Strike, dip of bedding-schistosity with plunge of crinkle axis
- Vertical dips of bedding-schistosity
- Strike, dip of joints
- Horizontal joints
- Strike, dip of bedding in volcanics
- Fault, . . . where inferred  
D — Down throw where known

ROCK CONTACTS

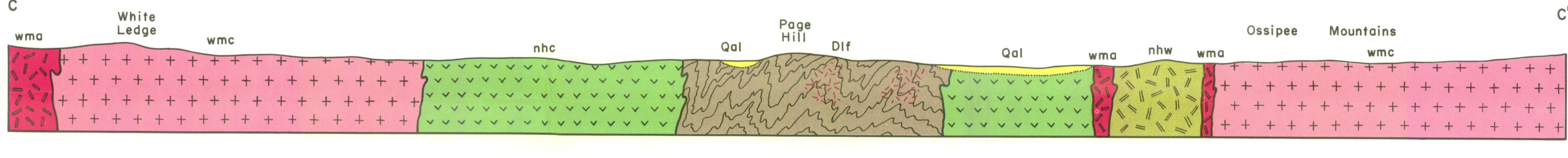
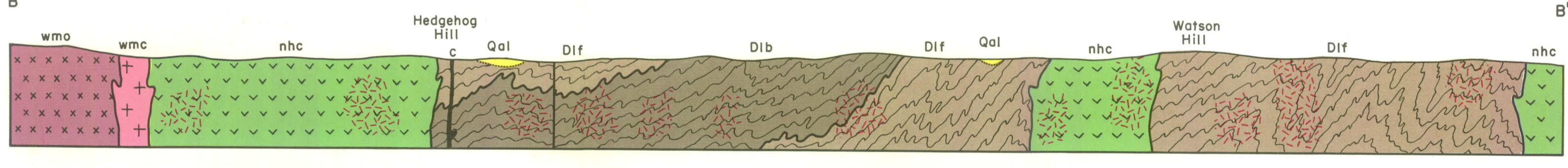
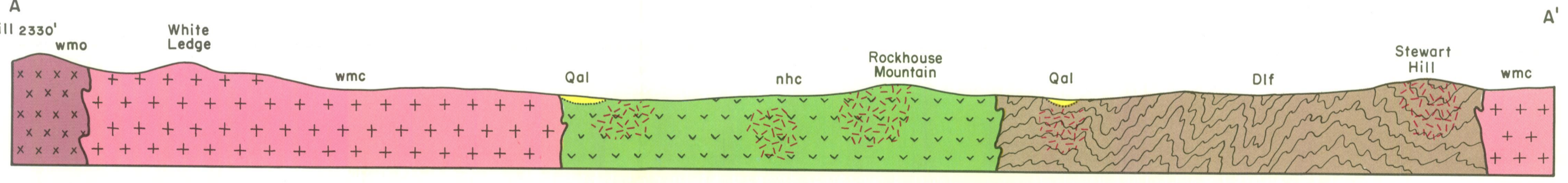
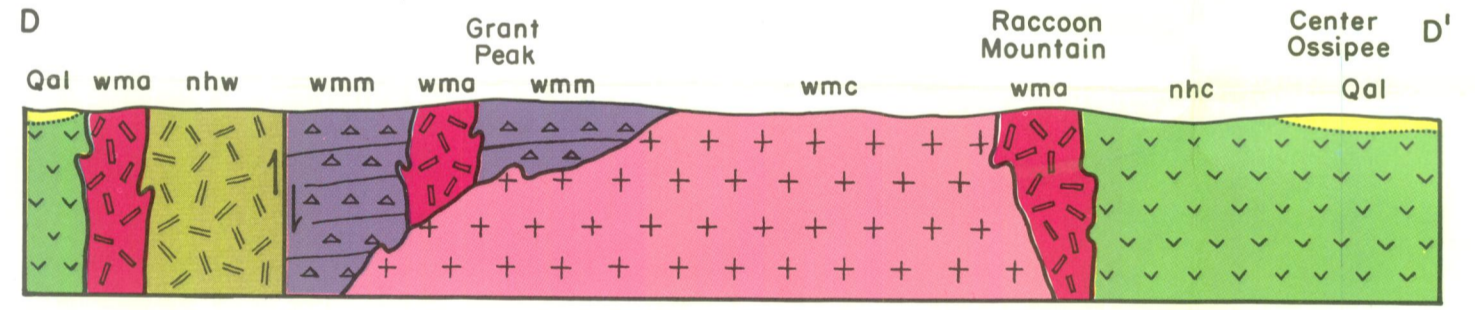
- Accurate
- Approximate
- Gradational

MINOR ROCKS

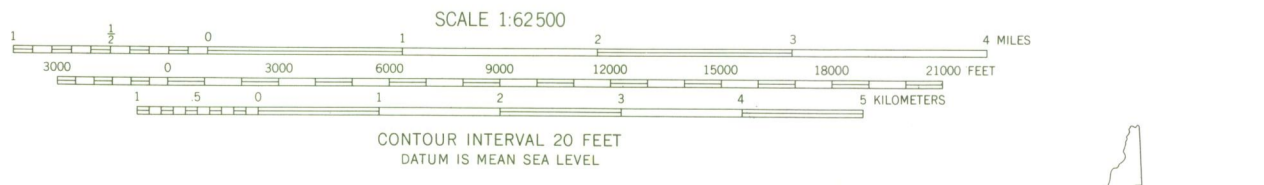
- Camptonite dike, at least 25 feet thick
- Calc-silicate granofels
- silicified rock

METAMORPHIC ISOGRAD

- Second sillimanite isograd; K-feldspar is present on the hatched side.



GEOLOGIC MAP AND STRUCTURE SECTIONS OF THE OSSIPEE LAKE QUADRANGLE, NEW HAMPSHIRE



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