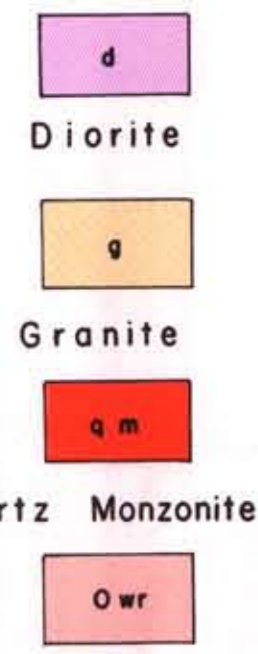
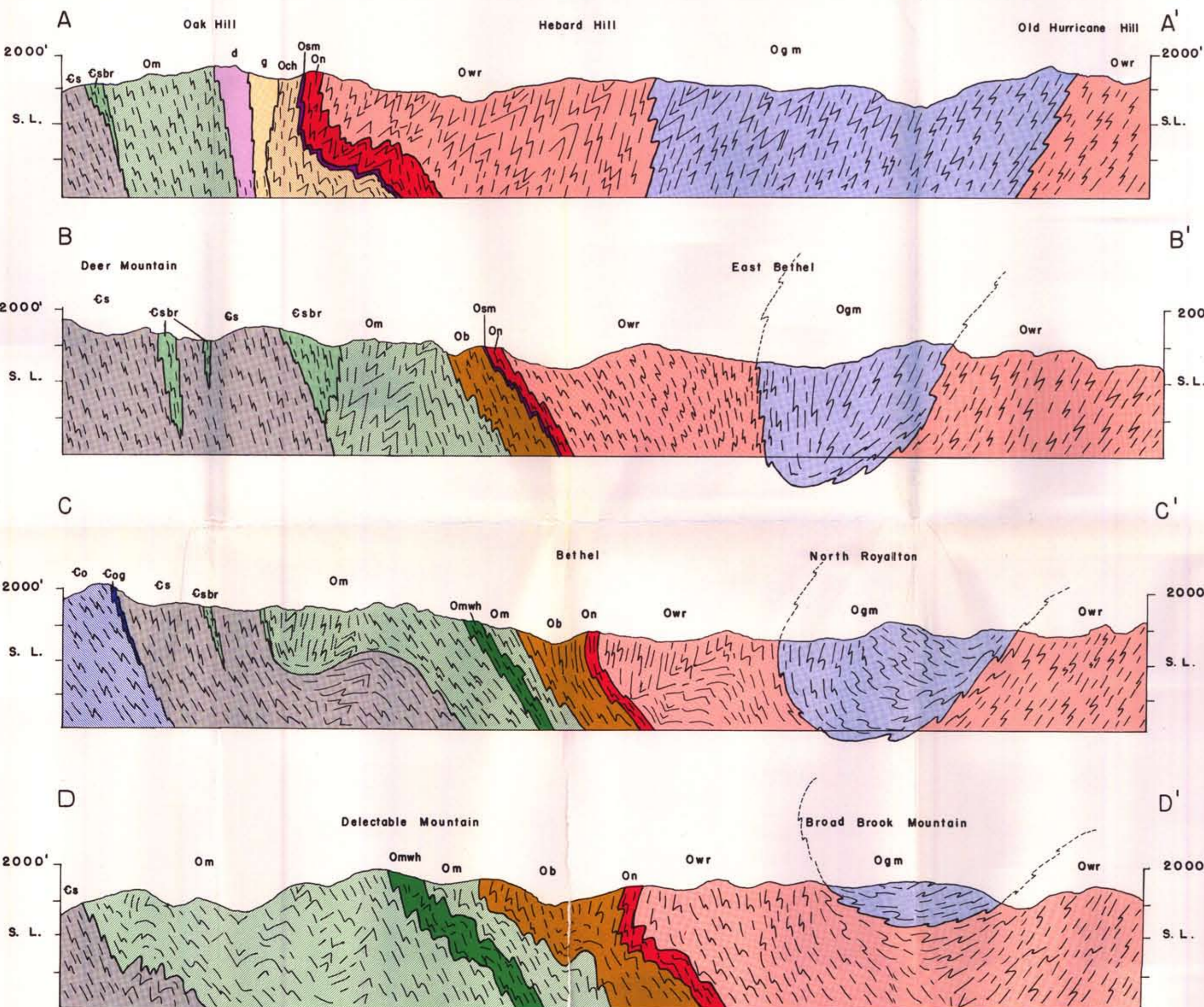


Geology by Ernest H. Em, Jr.
1956 - 1958

GEOLOGIC MAP OF THE RANDOLPH QUADRANGLE, VERMONT



Blue-gray recrystallized impure limestone, highly siliceous, garnetiferous phyllite, tan quartzite, quartz-biotite schist, and quartz-calcite schist.

Quartz-mica schist, garnetiferous phyllite, micaceous quartzite, and minor siliceous marble.

Needle amphibolite, garnetiferous amphibolite, and hornblende schist.

Gray slate, phyllite, and minor siliceous marble.

Sericite schist, locally calcareous, and tuffaceous.

Biotite gneiss, hornblende gneiss, locally calcareous, garnetiferous hornblende gneiss, greenstone, and amphibolite.

Splintery greenish-gray phyllite, greenstone, and feldspathic quartz-biotite-sericite schist. Basal quartzite - Harlow Bridge member, Ochb.

Pinstriped quartz-chlorite-albite-sericite granulite, micaceous quartzite, greenstone, carbonaceous slate and phyllite. Black sericite-garnet-biotite-quartz schist and phyllite - Whetstone-Hill member, Omwh.

Pale-green quartz-chlorite-albite-sericite schist with distinctive quartz lenses. Quartz-albite-calcite-epidote-chlorite schist-Brackett member, Csbr.

Graphitic black phyllite, varying to a phyllitic schist, banded quartz-chlorite-albite schist, and interbedded greenstone (Coq).

ORDOVICIAN ?

CAMBRIAN ?

- STRUCTURAL SYMBOLS
- Accurate contact
 - - - Gradational contact
 - Inferred contact
 - 61 / Strike and dip of bedding
 - 47 / Strike and dip of overturned bedding
 - 20 / Strike and dip of foliation or schistosity
 - 15 / Bearing and plunge of lineation