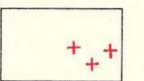


LEGEND

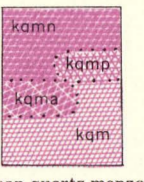
METAMORPHIC AND PLUTONIC ROCKS



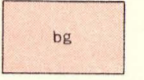
Pegmatite
(Very coarse grained rock composed chiefly of feldspar quartz, muscovite and biotite.)



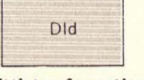
Concord granite
(Medium-grained, white or gray biotite-muscovite granite.)



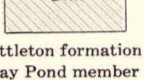
Kinsman quartz monzonite
(Coarse-grained, light-gray quartz monzonite and granodiorite, including some granite and quartz diorite, composed of orthoclase or andesine, quartz, microcline, biotite, and muscovite. Garnet and sillimanite occur in many places. Those with microcline phenocrysts (kqm); phase in which phenocrysts have altered to muscovite, quartz, and plagioclase (kmp); non-porphyratic phase (kqm); altered phase composed of albite, microcline-microperthite, and muscovite (kma).)



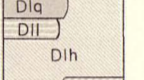
Bethlehem gneiss
(Medium-grained, gray quartz monzonite to quartz diorite gneiss, composed of orthoclase or andesine, quartz, microcline, biotite, and muscovite.)



Littleton formation
Dakin Hill member
(Porphyroblastic orthoclase gneiss, biotite-quartz gneiss, biotite-sillimanite gneiss, and pyroxiferous gneiss. The gneisses are poorly foliated.)



Littleton formation
May Pond member
(Banded orthoclase gneiss and biotite gneiss.)



Littleton formation
Hubbard Hill member
(Chiefly micro-quartz schist, sillimanite schist, pseudo-sillimanite schist (Dh); quartz conglomerate and quartzite (Dl); interbedded fine-grained granite and schist (Dl); amphibolite (Dv).)

CONTACTS

Accurate

Approximate and diagrammatic due to poor exposures

Indefinite as sharp contact is lacking

72°
Strike and dip of bedding

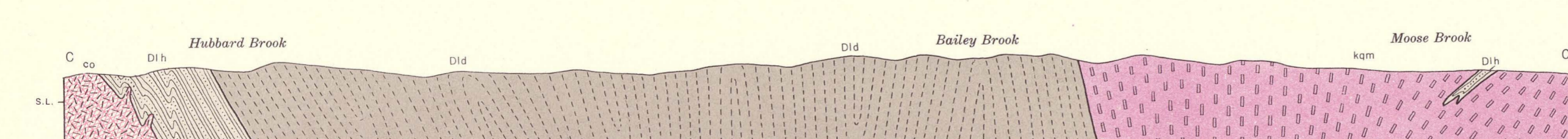
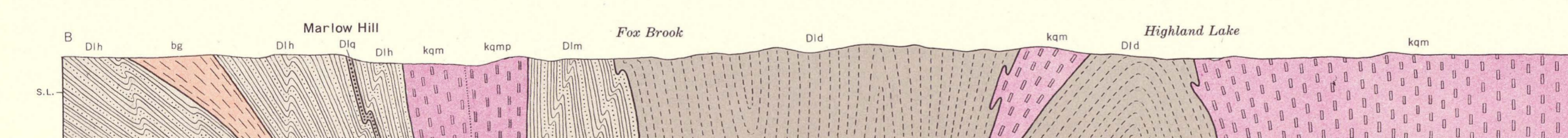
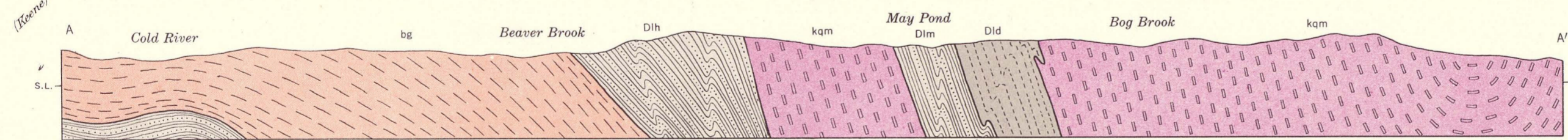
×
Strike of vertical beds

40°
Strike and dip of overturned beds

65°
Strike and dip of foliation

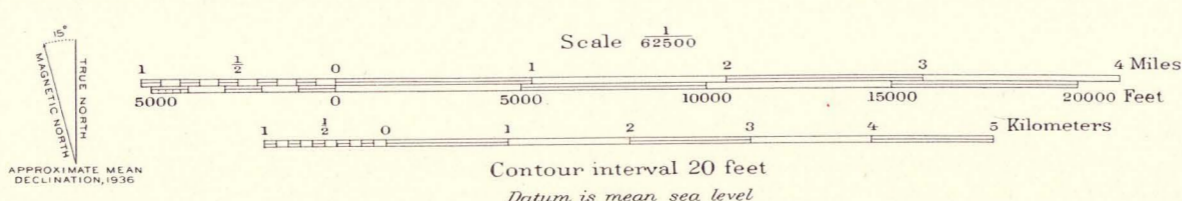
×
Strike of vertical foliation

×
Mines, prospects, and quarries, mostly abandoned



GEOLOGIC MAP AND STRUCTURE SECTIONS OF THE LOVEWELL MOUNTAIN QUADRANGLE, NEW HAMPSHIRE

Topographic base by U. S. Geological Survey. Surveyed in Cooperation with the State of New Hampshire.



Geology by M. T. Heald assisted by J. B. Carney and J. R. Williams. Directed by Marland P. Billings. Geology survey 1946 and 1947, with the aid of grants from the R. W. Slayes Fund of Harvard University. Published in 1950.

GEO-044-062500-BMAP