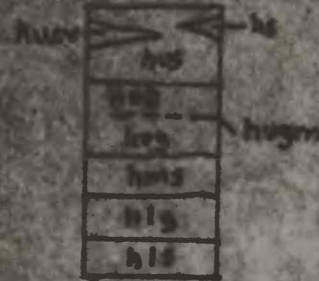


EXPLANATION

METAMORPHIC ROCKS

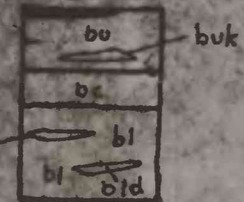
mps

Mount Pisgah Formation



Hamilton Reservoir Formation

hms upper schist member  
hgm metamorphic gneiss  
hlg sulfidic schist  
hgm upper gneiss member  
hgm meta gneiss unit  
hms middle schist member  
hlg lower gneiss member  
hls lower schist member



Bigelow Brook Formation

buk upper member  
buk grey schist and gneiss  
bc calc-silicate member  
bl lower member  
big mafic gneiss and schist  
bid calc-silicate gneiss unit

s

Southbridge Formation

fqd

Foliated quartz diorite

Includes porphyritic quartz monzonite in Stafford Springs and Monson quadrangles; possible metavolcanic gneiss in Wales quadrangle.

Map Symbols

Unit contact

DEEPLY SINKING FAULT

Fault trace marked where probably on Devonian side; D. Southbridge fault queried where probably. Faults show sense of movement by opposite sides of fault trace as determined from minor structures on either side of fault. Relative displacement shown only on larger faults.

THROW FAULT

Sense of fault determined from remnant character of fault on upper plate.

Generalized strike and Dip of Bedding and Regional Foliation

Axis Trace of overturned syncline.

SILLIMANITE + POTASSIUM FALDSPAR

SILLIMANITE + MUSCOVITE

Mineral Isograd = Keach Pond Fault



C Connecticut grid system: thousands of feet east and north.

Note: Keach Pond Fault is a mineral isograd of SILLIMANITE + POTASSIUM FALDSPAR on WEST side of fault; SILLIMANITE + MUSCOVITE on EAST side of fault.

Lines along which sections are drawn for stratigraphic columns that have not been open filed.

Quadrangle symbols: M Monson, W Wales, S Southbridge, SS Stafford Springs, We Westford, E Eastford, SC South Coventry, H Hampton, SH Spring Hill.

U. S. Geological Survey  
OPEN FILE MAP 75-50  
This map is preliminary and has not been edited for conformity with Geological Survey standards or nomenclature.

