

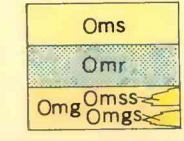
EXPLANATION



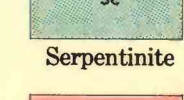
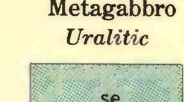
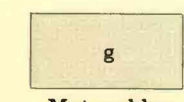
**Spruce Top greenstone**  
Sill (?) chiefly of metabasalt and subordinate meta-andesite and metadiorite greenschist facies, intruded into the Hovey formation and the basal unit of the Meduxnekeag formation



**Hovey formation**  
Upper part (Lower Silurian?) of the Hovey formation, Shu, consists of green slate partly mixed with graywacke sandstone and conglomeratic graywacke near the base. Encloses manganese- and iron-rich lenticular beds, Shm, and acid metavolcanic rocks of the Dunn Brook member, Shd, which includes a volcanic breccia, Shdb  
Lower Part (Lower Silurian?) of the Hovey formation, Shi, consists of green slate mixed with graywacke sandstone and conglomeratic graywacke. Encloses red and purple slate lenses, Shs, lentils of conglomeratic graywacke, Shg, and metaperlite of the Saddleback Mountain member, Shsm



**Meduxnekeag formation**  
Slate member, Oms, consists of green and gray-green slate  
Ribbon rock member, Omr, consists of intercalated slate and argillaceous and quartzose limestone  
Slate and graywacke member, Oms-Oms, consists of dark-gray and gray-green slate irregularly interlayered with graywacke sandstone and conglomeratic graywacke. Contains quartzose siltstone, Oms, and a graywacke sandstone lens, Oms



**Garnet porphyry**

Contact  
Dashed where inferred

Inferred fault  
Arrows indicate relative movement. Query (?) indicates uncertainty of existence

Inferred anticline  
Showing trace of axial plane and bearing and plunge of axis

Inferred syncline  
Showing trace of axial plane and bearing and plunge of axis

Doubly plunging syncline  
Showing trace of axial plane

Strike and dip of beds  
Dashed where uncertain

Strike of vertical beds

Strike and dip of cleavage  
Dashed where uncertain

Strike of vertical cleavage

Strike of vertical cleavage and plunge of lineation

Bearing and plunge of lineation

Strike and dip of joints

Strike of vertical joints

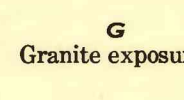
A-F  
Localities at which fossils were found

Bedrock exposure

Uncertain bedrock exposure

G  
Granite exposures

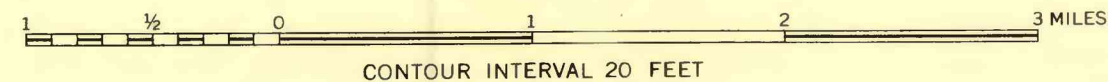
Telephone line  
Maine Forest Service



APPROXIMATE MEAN DECLINATION, 1961

RECONNAISSANCE BEDROCK GEOLOGIC MAP OF THE MAPLE AND HOVEY MOUNTAINS AREA, AROOSTOOK COUNTY, MAINE

SCALE 1:48,000



CONTOUR INTERVAL 20 FEET  
DATUM IS MEAN SEA LEVEL

Topography by U. S. Geological Survey, 1951, 1954

Geology by Louis Pavlides and L. A. Brubaker, 1952 and 1953