

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



EXPLANATION

Map units indicate ranges in depth to bedrock (ledge) below land surface. The locations of bedrock outcrops and areas of numerous closely spaced bedrock outcrops were obtained directly from the geologic map (Hatch and Hartshorn, 1968), which shows only those outcrops examined by the field geologists. The areal distribution of the map units 0-10 feet (0-3 metres) and 10-50 feet (3-15 metres) to bedrock is based on interpretation of the areal distribution of outcrops shown on the geologic map supplemented by data from logs of wells and test holes (Hansen, Gay and Toler, 1973). The areal distribution of additional depths to bedrock is based almost entirely on subsurface data.

Depths shown are a generalization of localized, highly variable conditions; they do not include any weathered (decomposed) bedrock. This map should be used only to determine the general conditions that can be expected over an area, not as a substitute for detailed site evaluation.

Depth to Bedrock, In feet (metres)



0
Bedrock Outcrop
(Ledge exposed at Land Surface)
Only those outcrops observed by field geologists are shown.



0 to less than 10 (0-less than 3)
Generalized areas consisting of numerous closely spaced bedrock outcrops separated by small areas of less than 10 feet (3 metres) to bedrock.



Less than 10 (3)
May include outcrops not observed by field geologists as well as small areas of greater than 10 feet (3 metres) to bedrock.



10-50 (3-15)
May include small areas of less than 10 feet (3 metres) to bedrock.



50-100 (15-30)



100-150 (30-46)



150-200 (46-61)

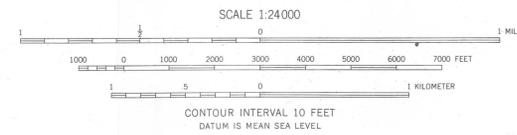


200-250 (61-76)

REFERENCES

- Hansen, B.P., Gay, F.B., and Toler, L.G., 1973
Massachusetts hydrologic-data report no. 13, hydrologic data of the Deerfield River basin, Massachusetts: U.S. Geol. Survey open file report, 59 p.
- Hatch, N.L., Jr., and Hartshorn, J.H., 1968,
Geologic map of the Heath quadrangle, Massachusetts and Vermont: U.S. Geol. Survey Geol. Quad. Map GQ-735.

Base from U.S. Geological Survey, 1981
10,000-foot grid based on Massachusetts mainland
zone and Vermont coordinate systems
1000-meter Universal Transverse Mercator grid ticks
zone 18 shown in black



Compiled in part from data gathered in cooperation
with the Massachusetts Water Resources
Commission, Division of Water Resources



MAP SHOWING DEPTH TO BEDROCK,
HEATH QUADRANGLE,
MASSACHUSETTS-VERMONT

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