UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MISCELLANEOUS FIELD STUDIES

MAP MF-662 A

EXPLANATION

Map units indicate ranges in depth to bedrock (ledge) below land surface. The locations of bedrock outcrops were obtained directly from the geologic map (Hatch, 1969), which shows only those outcrops examined by the field geologists. The areal distribution of the map units 0-10 and 10-50 feet (0-3 and 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 sub-surface 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.

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)

REFERENCES

Hansen, B.P., Gay, F.B., and Toler, L.G., 1973: Massachusetts hydrologic-data report number 13, hydrologic data of the Deerfield River basin, Massachusetts: U.S. Geol. Survey open-file report, 59 p.

Hatch, N.L.,Jr., 1969, Geologic map of the Worthington quadrangle, Hampshire and Berkshire Counties, Massachusetts: U.S. Geol. Survey Geol. Quad. Map GQ-857.

Base from U.S.Geological Survey, 1972
10,000-foot grid based on Massachusetts coordinate system, mainland zone
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

SCALE 1:24 000

CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL

UTM GRID AND 1972 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

QUADRANGLE LOCATION

MAP SHOWING DEPTH TO BEDROCK, WORTHINGTON QUADRANGLE, MASSACHUSETTS

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