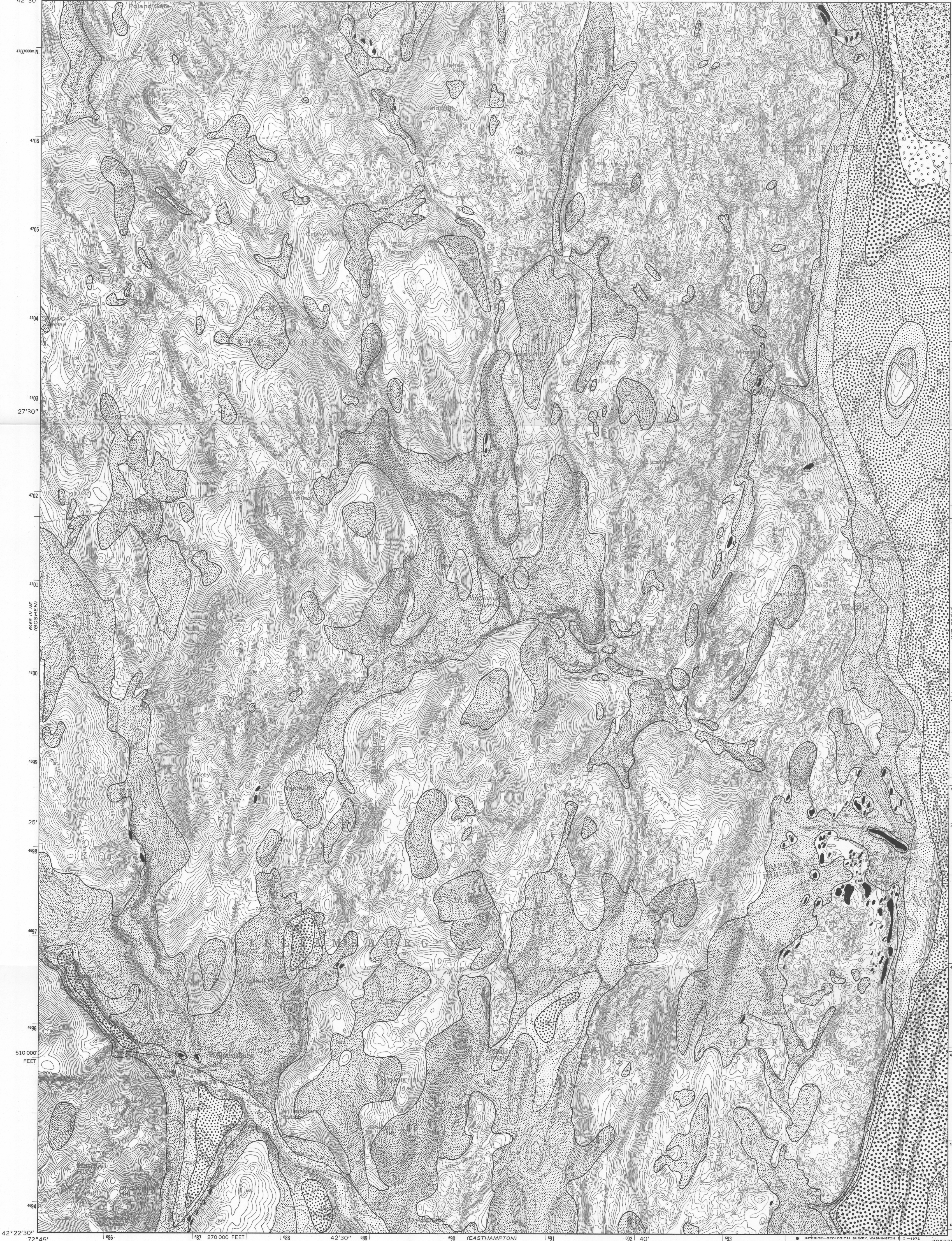


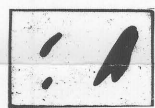


EXPLANATION

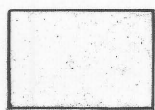
Map units indicate ranges in depth to bedrock (ledge) below land surface. The locations of bedrock outcrops were obtained directly from the surficial geology map (Segerstrom, 1955), which shows only those outcrops that occur in or immediately adjacent to valley areas. The areal distribution of the map units 0-10 and 10-50 feet (0-3 and 3-15 meters) to bedrock is based on interpretation of the surficial geology map and the bedrock geology map (Willard, 1956) supplemented by data from logs of wells and test holes (Peterson and Maevsky, 1962) and geophysical studies (Weston Geophysical Engineers, 1967). 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 and are based on interpretations of the surficial and bedrock geology maps that have not been field checked. Therefore, 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.

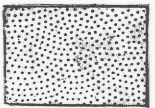
Depth to Bedrock, In feet (meters)



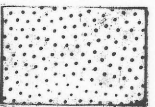
0
Bedrock outcrop
(Ledge exposed at land surface)
Shown primarily in or immediately adjacent to valley areas



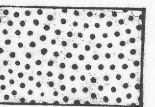
0-10 (0-3)
Includes outcrops on hillsides and hilltops and may include small areas in excess of 10 feet (3 meters). Corresponds in most areas with "Ground moraine" mapped by Segerstrom, 1955.



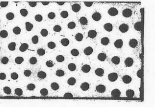
10-50 (3-15)
Corresponds in most areas with "Thick ground moraine" and "Drumlins" mapped by Segerstrom, 1955.



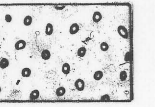
50-100 (15-30)



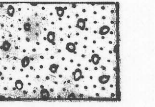
100-150 (30-46)



150-200 (46-61)



200-250 (61-76)



Greater than 250 (76)

REFERENCES

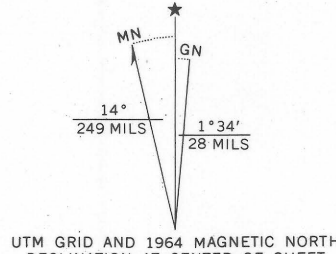
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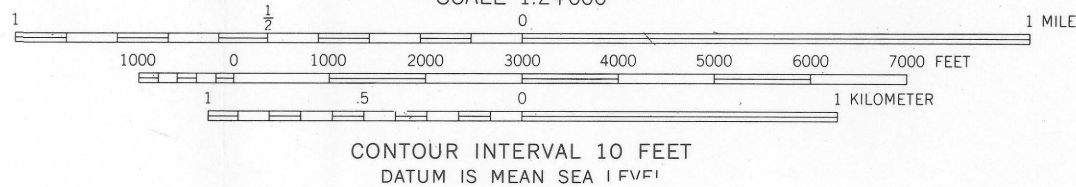
Weston Geophysical Engineers, 1967, Compilation of geophysical studies conducted by Weston Geophysical Engineers, Inc. throughout Massachusetts for Massachusetts Water Resources Commission: Weston, Mass., Weston Geophys. Eng. Inc., 2 parts including maps and graphs.

Willard, M.E., 1956, Bedrock geology of the Williamsburg quadrangle, Massachusetts: U.S. Geol. Survey Geol. Quad. Map GQ-85.

Base from U.S. Geological Survey 1964 10 000-foot grid based on Massachusetts coordinate system
mainland zone
1000 meter Universal Transverse Mercator grid ticks
zone 18 shown in black

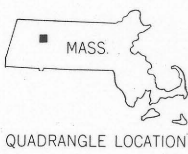


UTM GRID AND 1964 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET



CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA (F.V.)

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



QUADRANGLE LOCATION

MAP SHOWING DEPTH TO BEDROCK,
WILLIAMSBURG QUADRANGLE,
MASSACHUSETTS

By
Clark J. Londquist

1974