

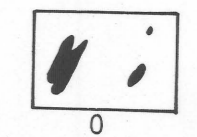
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

EXPLANATION

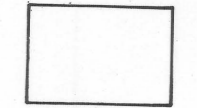
Map units indicate ranges in depth to bedrock (ledge) below land surface. Bedrock outcrops were located by field mapping (Pomeroy, 1973). Depths to bedrock are inferred from logs of wells and test holes and data from geophysical surveys.

Depths shown are a generalization of localized highly variable conditions and do not include any weathered (decomposed) bedrock. Therefore, this map should not be used as a substitute for detailed site evaluation.

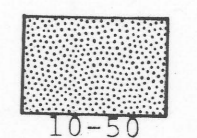
Depth to Bedrock, In feet



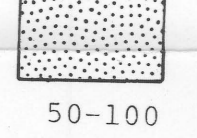
Bedrock outcrop
(Ledge exposed at land surface)
Includes numerous closely spaced outcrops



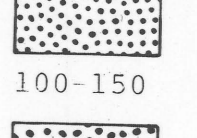
0-10
May include outcrops too small to map individually



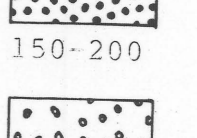
10-50



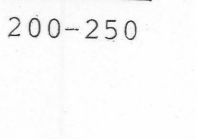
50-100



100-150



150-200



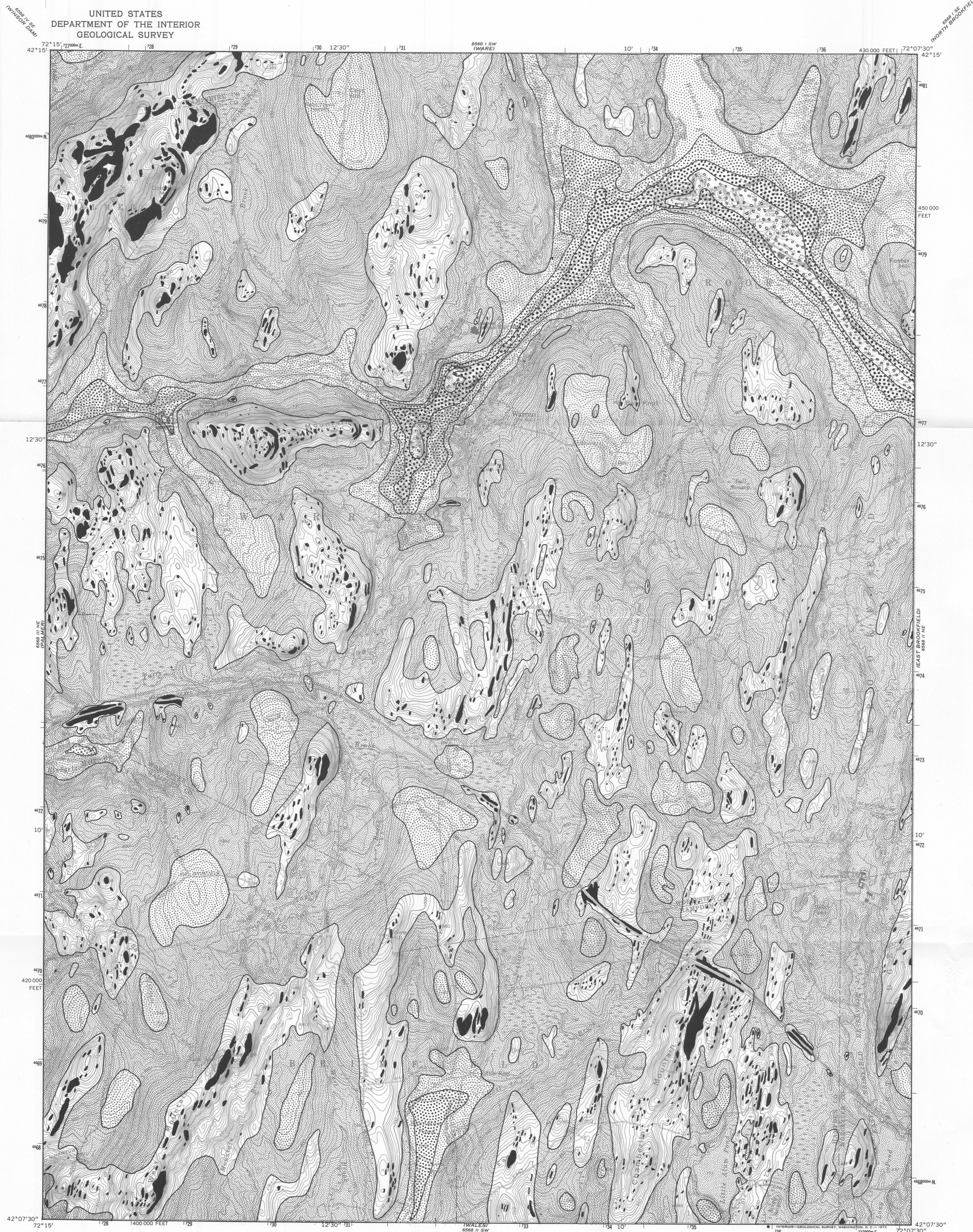
200-250

REFERENCES

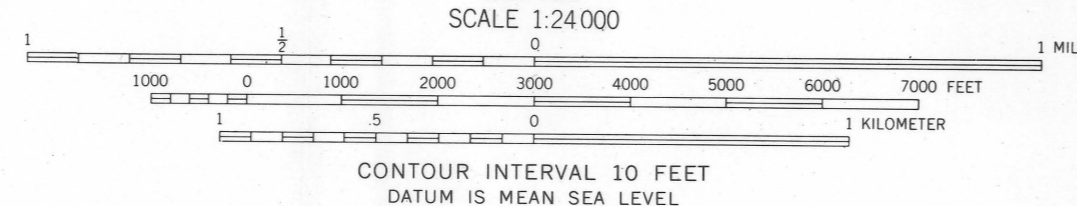
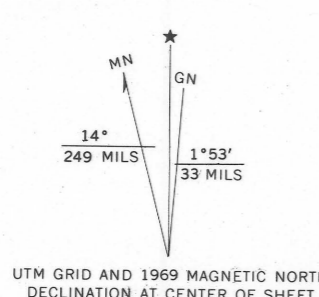
Petersen, R.G., and Maevisky, Anthony, 1962, Massachusetts basic-data report 6, ground-water series, Western Massachusetts area: U.S. Geol. Survey open-file report 31p.

Pomeroy, J.S., 1973, Map showing unconsolidated materials, Warren quadrangle, Massachusetts: U.S. Geol. Survey Misc. Field Studies Map MF-541 B.

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., 12p, maps and cross sections.



Base from U.S. Geological Survey, 1969
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



MAP SHOWING DEPTH TO BEDROCK,
WARREN QUADRANGLE,
MASSACHUSETTS

By

Clark J. Londquist and John S. Pomeroy

1974