



EXPLANATION

Contours show the altitude of the bed-rock surface. The position of the contours is based largely on data from wells, test holes, geophysical studies, and the published geologic maps supplemented by knowledge of the geologic history of the region.

The map show the configuration of the bedrock surface if all unconsolidated earth materials were removed.

CONTOUR, In feet above or below (-) mean sea level. Hachures show closed depressions. Contour interval 50 feet (15 meters).

REFERENCES

Hansen, B.P., 1972, Bedrock topography of the Connecticut River Valley near Greenfield, Massachusetts: U.S. Geol. Survey open-file report.

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, 59p.

Jahns, R.H., 1966, Surficial geologic map of the Greenfield quadrangle, Franklin County, Massachusetts: U.S. Geol. Survey Geol. Quad. Map GQ-474.

Petersen, R.C., and Maevsky, Anthony, 1962, Massachusetts basic-data report no. 6, ground-water series, Western Massachusetts area: U.S. Geol. Survey open-file report, 31p.

Weston Geophysical Engineers, 1966, Seismic survey, Connecticut River Valley for Massachusetts Water Resources Commission: Weston, Mass., Weston Geophys. Eng. Inc., 6p. maps and graphs.

1966, Seismic survey, Greenfield, Massachusetts for Tighe and Bond Consulting Engineers: Weston, Mass., Weston Geophys. Eng. Inc., 3p. maps and graphs.

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.

Wiesnet, D.R. and Fleck, W.B., 1967, Massachusetts basic-data report no. 11, ground-water series, Millers River Basin: U.S. Geol. Survey open-file report, 29p. and 1 map.

Willard, M.E., 1952, Bedrock geology of the Greenfield quadrangle, Massachusetts: U.S. Geol. Survey Geol. Quad. Map GQ-20

CONTOUR MAP OF THE BEDROCK SURFACE,
GREENFIELD QUADRANGLE,
MASSACHUSETTS

By
Clark J. Londquist and Bruce P. Hansen