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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS

MOUNT TOM QUADRANGLE
MASSACHUSETTS
7.5 MINUTE SERIES (TOPOGRAPHIC)

Mapped, edited, and published by the Geological Survey
Control by USGS, USC&GS, and Massachusetts Geodetic Survey
Topography by planetable surveys 1934. Revised 1958
Polyconic projection. 1927 North American datum
10,000-foot grid based on Massachusetts coordinate system, mainland zone
1000-meter Universal Transverse Mercator grid ticks, zone 18, shown in blue
Red tint indicates areas in which only landmark buildings are shown

SCALE 1:24 000

CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION
Heavy duty — Light duty
Medium duty — Unimproved dirt
Interstate Route — U. S. Route — State Route

QUADRANGLE LOCATION

MOUNT TOM, MASS.
N4207.5—W7237.5/7.5
1958

EXPLANATION

Cobble gravel

More than 50 percent of the material is estimated to be greater than 2 mm in diameter and the dominant material is greater than 64 mm in diameter

Pebble gravel

More than 50 percent of the material is estimated to be greater than 2 mm in diameter and the dominant material is greater than 4 mm and less than 64 mm in diameter

Sand and gravel, interbedded

Beds are thin and cut-and-fill structures are common

Sand

More than 50 percent of the material is estimated to be 1/16 to 2 mm in size

Silt-clay

More than 50 percent of the material is estimated to be less than 1/16 mm in diameter. Varved or laminated deposits indicated by v

Till

Compact to loose, nonsorted to poorly sorted, nonstratified mixture of clay, silt, sand, pebbles, cobbles and boulders. Close-spaced ruled pattern indicates area of thick till (greater than 40 feet). Silty, compact till, t, occurs east of East Mountain and Mount Tom. Sandy, friable till, t_f, occurs west of East Mountain and Mount Tom

Swamp deposits

Letter beneath sw indicates material underlying swamp deposit (in this case sand is shown underlying swamp deposits)

Talus deposits

Artificial fill

Artificially emplaced earth, mainly sand, gravel and till, af; trash dump af_t

Subsurface data locality

Symbol indicates 10 feet of pebble gravel overlying 15 feet of sand. Many shallow exposures not plotted

Pits

active — inactive

Notes:

1) A layer of windblown silt and very fine sand is present over much of the map area; it is rarely more than 2 feet thick and is not shown on the map.
2) Ledge (bedrock outcrop) is not shown on this map, but is common in hardpan areas.
3) The texture of most deposits is variable from place to place. Exploitation of a given deposit should be preceded by detailed site investigations. Most gravel deposits, sand and gravel deposits, and some sandier parts of the hardpan are well graded and suitable for borrow.

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PLEASE REPLACE IN POCKET IN BACK OF BOUND VOLUME

U.S. Geological Survey
OPEN FILE MAP
This map is preliminary and has not been edited or reviewed for conformity with Geological Survey standards or nomenclature.

Plate 4, Texture of unconsolidated materials of the Mount Tom quadrangle, Massachusetts

To accompany: Surficial Geology of the Mount Tom Quadrangle, Massachusetts, F. D. Larsn, 1972