



Base from U.S. Geological Survey, 1967
Map was scanned, processed, georeferenced,
rectified, and cropped by the Massachusetts
Geological Survey
Lambert Conformal Conic projection, North American
Datum of 1983
Massachusetts state plane coordinate system,
mainland zone
Hydrographic information is not intended for
navigational purposes

15°
TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN
DECLINATION, 2018

SCALE 1:24 000
1 0.5 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 0.5 1 KILOMETER
CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

MASSACHUSETTS
MAP LOCATION

Map units were reproduced from Thiesmeyer, L.R., and
Goldthwait, R.P., 1940, unpublished field map; and Piper,
J.D., and Stone, B.D., 1982, unpublished field map. Some
units were mapped or revised from analysis of
topographic (lidar) data and 2005 orthophoto images.

Surficial Materials Map of the Onset Quadrangle, Massachusetts

Compiled by
Byron D. Stone and Mary L. DiGiacomo-Cohen
2018

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comps., Surficial materials of Massachusetts—A 1:24,000-scale geologic map
database: U.S. Geological Survey Scientific Investigations Map 3402, 1 sheet,
scale 1:24,000, <https://doi.org/10.3133/sim3402>.

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