



Base from U.S. Geological Survey, 1961
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

APPROXIMATE MEAN
DECLINATION, 2018

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

MAP LOCATION

Map units were reproduced from Stone, J.R., 1976,
unpublished field map; and Larsen, F.D., 1980,
unpublished field map. Distribution of bedrock outcrops
and shallow-bedrock areas is from Robinson (2008).
Some units were mapped or revised from analysis of
topographic (lidar) data and 2005 orthophoto images.

Surficial Materials Map of the Orange Quadrangle, Massachusetts

Compiled by
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2018

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For sale by U.S. Geological Survey, Box 25286, Denver Federal Center,
Denver, CO 80226; <https://store.usgs.gov>; 1-888-ASK-USGS (1-888-275-8747)

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quadrangle 54 in Stone, J.R., Stone, B.D., DiGiacomo-Cohen, M.L., and Males,
S.B., comps., Surficial materials of Massachusetts—A 1:24,000-scale geologic
map database: U.S. Geological Survey Scientific Investigations Map 3402, 1
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