

strike and dip of joint
strike and dip of
quartz veins, ep-
idote veins
modified
contact from
Shaler and others,
1899

BEDROCK EXPOSURE

BOULDER

bedrock well to 420 ft
bedrock at 207 ft
8-ft boulder of
milky quartz with
Vugs of quartz crystals,
granite shale ww

cobble conglomerate,
porphyritic, clasts up to 70
strike and dip of
foliation

strike and dip
of beds

strike and dip
of cleavage

igneous rock, granular ww
meta-

porphyritic felsite
with phenocrysts of
plagioclase, quartz,
biotite, and horn-
blende up to 2 mm
long, probably ph
well in bedrock

Rhode Island
Formation

silicified wood; C.A.
Kepe, pers. commun., 1977

phyllite;
biotite usually
less than 1 mm,
but up to 5 mm
across; feldspar,
lt gray, usually
less than 1 mm,
but up to 4-5 mm
long, equant to
tabular; quartz,
less than 1 mm
across, medium
gray, matrix, fine
grained

Narragansett Basin
Project drillhole
no. 47; depth of
hole approx. 940 ft;
8 inch coal seam
hit at 248 ft;
data courtesy of
Weston Observatory-
Boston College

Barefoot Hill Quartz
Monzonite (Lyons, 1969)

SOURCES:

Shaler and others,
1899

Circled numbers,
P.C. Lyons, U.S.G.S.,
1977; 5, rock sample
taken
Richard Goldsmith,
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J. A. Sinnott,
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Planimetry by photogrammetric methods from aerial photographs
Topography by planimetric surveys 1937. Revised 1962
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 19, shown in blue



SCALE 1:24,000
CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL

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

PLYMPTON, MASS.
N4152.5 - W7045.7/5
1962
AND 4807 IV NE-SERIES 1934

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

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