OF 77-816

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS

ATTLEBORO QUADRANGLE
MASSACHUSETTS–RHODE ISLAND
7.5 MINUTE SERIES (TOPOGRAPHIC)

thrust, probable; teeth on hanging wall

thrust, inferred; teeth on hanging wall

? strike-slip fault showing relative motion

errata: D – course-grained clasts
Quincy Granite (R.I.)
Barefoot Hill Quartz Monzonite

well in bedrock WW

boring in bedrock WW

boulder

pc boulder of pebble conglomerate

contact, solid line where closely located

ss sandstone WW

cg conglomerate WW

sh shale WW

contact from Shaler and others (1899)

fault probable

fault, questionable

BEDROCK EXPOSURE

synclinal axis

anticlinal axis

fold axis, questionable

strike and dip of cleavage or bedding fissility

strike and dip of beds; tops(T) indicated by cross-bedding

strike of vertical beds

dip of beds; strike inferred

SOURCES:

s-a s-a sample taken for age dating

(242) circled numbers
P. C. Lyons, U.S.G.S., 1977

L Lyons & Chase, 1976
N.E.I.G.C. Guide book

undesignated strike & dip data
M. Lidback, 1977
Boston U. Ph.D thesis

LC P. C. Lyons,
Weston Obs.–B.C.;
H. B. Chase (unpub. data)

CG Chase, H. B. & Greene, B.,
(unpub. data)

Emerson, 1917

Shaler and others, 1899

C Rama Coomaraswamy, 1976
Geology of the Hoppin Hill Area in North Attleboro Mass. (unpub. report, Harvard Univ. Courtesy of M. P. Billings)

F Floral locality

F Lower CAMBRIAN FOSSIL Locality
Coal mine; Williams, 1931;
H. B. Chase (unpub. data)
PLANT FOSSILS; Lyons, 1979
COAL IN WELL
(Shaler et al., 1899, P. 182); location,
H. B. Chase (unpub.)

LJ Lyons and Jones, unpub. data, Weston Obs.–B.C.

W Williams, C. R., 1931,
Geology of the Hoppin Hill Area, near North Attleboro, Mass. (unpub. Harvard Univ. report, courtesy of M. P. Billings)

K C. A. KAVE, pers. commun., 1977

1 H. B. Chase (unpub. data)

2 Lyons and Chase (unpub. data)

data transferred to 1:24,000 base map by H. B. Chase, 6/14/77

WW Williams and Willey, 1967 Mass. Basic Data Rpt. No. 18, Ground-Water Series, U.S.G.S.

3 Quinn and others, 1949 U.S.G.S. GQ-2

P_D DIGHTON CONGLOMERATE

P_R RHODE ISLAND FORMATION

P_W WAMSUTTA FORMATION

P_{W_v} Wamsutta formation, volcanic rocks – basaltic (b) & felsitic (f) lava flows or tuffs, agglomerate

P_p Pondville Conglomerate

ϵ Hoppin Formation – green & red slate with fossiliferous calcareous lenses; v. lt. gray quartzite, w/ feldspathic granule conglomerate, cross-bedded

UNCONFORMITY

DQM Dedham Quartz Monzonite

PRE-ϵ

Geology compiled by P. C. Lyons, U.S.G.S., 9-21-77

Mapped, edited, and published by the Geological Survey

Control by USGS, USC&GS, and Massachusetts Geodetic Survey

Topography by planetable surveys 1935 and 1938–1939
Revised 1964

Polyconic projection. 1927 North American datum
10,000-foot grids based on Massachusetts coordinate system, mainland zone, and Rhode Island coordinate system
1000-meter Universal Transverse Mercator grid ticks, zone 19, shown in blue

Red tint indicates areas in which only landmark buildings are shown

UTM GRID AND 1964 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24000

CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL

ROAD CLASSIFICATION

Heavy-duty — Light-duty

Medium-duty — Unimproved dirt

Interstate Route · U.S. Route · State Route

QUADRANGLE LOCATION

FOR SALE BY U.S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ATTLEBORO, MASS.–R. I.
N4152.5—W7115/7.5
1964
AMS 6762 IV NE—SERIES V814

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77-816m

B-3

Massachusetts (Narragansett Basin) Geol. 1:31,250. 1977. C.1