UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WAR DEPARTMENT
CORPS OF ENGINEERS, U. S. ARMY

MASSACHUSETTS
(ESSEX COUNTY)

SOUTH GROVELAND QUADRANGLE
7½-MINUTE SERIES

HAVERHILL 2.5 MI.
BRADFORD 1.5 MI.
ROCHESTER 43 MI.
BRADFORD (JUNC. STATE NO. 125) 1.5 MI.
BRADFORD (JUNC. STATE NO. 125) 1.2 MI.
HAVERHILL (JUNC. STATE NO. 125) 3.6 MI.
GROVELAND 0.9 MI.
(Ayers Village)
(Haverhill)
(Newburyport West)
71°07′30″
42°45′
710000 FEET
5′
2′30″
71°00′
630000 FEET
42°30′
LAWRENCE (JUNC. STATE NO. 28) 2.2 MI.
0.5 MI. GEORGETOWN 0.6 MI.
TOPSFIELD (JUNC. U. S. NO. 1) 7.7 MI.
JUNC. U. S. NO. 1 4.9 MI.
LOWELL (CIVIC CENTER) 10.8 MI.
JUNC. STATE NO. 28 1.3 MI.
MANCHESTER 33 MI.
LAWRENCE (JUNC. WATER ST.) 3.1 MI.
ANDOVER 1.3 MI.
(Lawrence)
NORTH ANDOVER 0.7 MI.
GEORGETOWN 3.6 MI.
(Georgetown)
BOXFORD
JUNC. U. S. NO. 1) 3.8 MI.
3.4 MI. TOPSFIELD (JUNC. U. S. NO. 1)
LAWRENCE (JUNC. WATER ST.) 4.8 MI.
ANDOVER 1.3 MI.
600000 FEET
40′
2265000 YARDS
1170000 YARDS
730000 FEET
42°37′30″
71°07′30″
(Wilmington)
(Reading)
(Salem)
MIDDLETON 4.6 MI.
READING 7.5 MI.
JUNC. STATE NO. 28 1.5 MI.
READING 7.2 MI.
MIDDLETON 3 MI.
SALEM 11.1 MI.

MERRIMACK R.
H A V E R H I L L
G R O V E L A N D
N O R T H A N D O V E R
M I D D L E T O N
B O X F O R D
Lone Tree Hill
Ward Hill
Bush Hill
Maiden Hill
Mt Hayman
Austin Hill
Barker Hill
Dead Hill
Chadwick Pond
Johnsons Pond
South Groveland
Pentucket Pond
Rock Pond
Hoveys Pond
Byers Hill
LAKE COCHICHEWICK
Osgood Hill
North Andover
Weir Hill
Stevens Pond
North Andover Center
Town Farm Hill
Bruin Hill
Millis Hill
Woodchuck Hill
Clay Pit Hill
Pine Hill
Holt Hill
Boston Hill
West Boxford
Littles Hill
Baldpate Hill
Shaven Crown Hill
Baldpate Pond
Spoffords Pond
Bayns Hill
Wood Hill
Stiles Pond
Fourmile Pond
Cedar Pond
Jobs Hill
Kimballs Pond
Towne Pond
Howes Pond
Sharpners Pond
Pout Ponds
Bald Hill
Crooked Pond
Creighton Pond
Aaron Ward Sch.
Center Sch.
Mosquito Brook
Foster Brook
Fish Brook
Boston Brook
Skull River
Stevens Brook
Pine Brook

Topography by S. E. Clement, Leonard Powell,
L. E. Lambelet, L. E. Harrington, and C. M. Ozborn
Surveyed in 1942

U.S. GEOLOGICAL SURVEY
WASHINGTON
JUL 27 1944
LIBRARY

APPROXIMATE MEAN DECLINATION, 1942
15½°
MAGNETIC NORTH
TRUE NORTH

Scale 1/31680
1 0 1 Mile
500 0 500 1000 1500 2000 2500 Yards
1000 0 1000 2000 3000 4000 5000 6000 7000 Feet
1 .5 0 1 Kilometer

Contour interval 10 feet
Datum is mean sea level

Polyconic projection. 1927 North American datum
5000 yard grid based on U. S. zone system, A
10000 foot grid based on Massachusetts (Mainland)
rectangular coordinate system

ROAD CLASSIFICATION
1944
Dependable hard-surface heavy-duty road
Secondary hard-surface all weather road
Loose-surface, graded
Unsurfaced, graded dry weather roads
Dirt road
More than two lanes indicated along road with tick at point of change 3 LANE | 4 LANE
U. S. Route 15
State Route 26

SOUTH GROVELAND, MASS.
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