UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WAR DEPARTMENT
CORPS OF ENGINEERS, U. S. ARMY

MASSACHUSETTS-NEW HAMPSHIRE
LAWRENCE QUADRANGLE
7½-MINUTE SERIES

(Manchester) 1/62 500

MANCHESTER 27 MI.
SALEM DEPOT 2.6 MI.

AYERS VILLAGE 2.9 MI.

110 JUNC. U. S. NO. 1 19 MI.
NEWBURYPORT 18 MI.
HAVERHILL 5 MI. 113

(Haverhill)

71°15′ — 42°45′ — 120 000 FEET (N. H.) — Hampstead — 1/62 500 — 12′30″ — 10′ — (Ayers Village) — 700 000 FEET (MASS.) — 71°07′30″ — 42°45′

90 000 FEET (N. H.)

PELHAM 4.7 MI.

630 000 FEET (MASS.)

42°30″

TYNGSBORO 12.5 MI.
DRACUT 3.9 MI.

JUNC. STATE NO. 125 0.3 MI.
HAVERHILL 5.8 MI.

(Lowell)

(South Groveland)

125 HAVERHILL 8 MI.
ROCHESTER 49 MI.
GEORGETOWN 9.5 MI. 133

114 MIDDLETON 8 MI.
SALEM (CIVIC CENTER) 17 MI.
JUNC. STATE NO. 28 4.9 MI. 125

40′

46 MI. WORCESTER (CIVIC CENTER) 47 MI.
3.5 MI. LOWELL (CIVIC CENTER) 4.3 MI.

600 000 FEET (MASS.)

LOWELL (CIVIC CENTER) 3.5 MI.

2 260 000 YARDS

50 000 FEET (N. H.)

42° 37′30″ — 71°15′ — 670 000 FEET (MASS.) — 1 160 000 YARDS — 12′30″ — (Wilmington) — 10′ — 140 000 FEET (N. H.) — 71°07′30″ — 42° 37′30″

(Billerica) — (Reading)

TEWKSBURY CENTER 2.9 MI.
LOWELL (CIVIC CENTER) 8.4 MI.

Topography by W. K. McKinley, L. J. Smith, J. J. Chapman, and H. A. Ferullo
Surveyed in 1941–42 revised 1946

TEWKSBURY CENTER 1 MI.

Gray tint indicates areas in which only landmark buildings are shown

15° MAGNETIC NORTH — TRUE NORTH

APPROXIMATE MEAN DECLINATION, 1942

ROAD CLASSIFICATION 1946

Dependable hard-surface heavy-duty road	Dry weather roads	U. S. Route (15)
Secondary hard-surface all weather road	Loose-surface graded	
	Unsurfaced, graded	
	Dirt road	State Route (26)

More than two lanes indicated along road with tick at point of change 3 LANE 4 LANE

Scale 1:31680

1 Mile
2500 Yards
7000 Feet
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 grids based on Massachusetts (Mainland) and New Hampshire rectangular coordinate systems

READING 7 MI.
BOSTON (CIVIC CENTER) 20 MI.

LAWRENCE, MASS.-N. H.
Edition of 1944
reprinted 1947 with corrections
N4237.5—W7107.5/7.5

GEOLOGICAL SURVEY WASHINGTON
JAN 4 1955
LIBRARY