

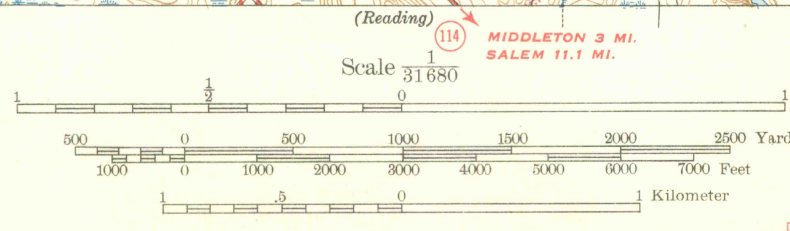
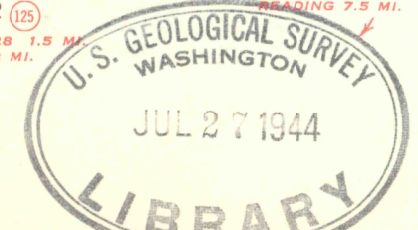
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

WAR DEPARTMENT  
CORPS OF ENGINEERS, U. S. ARMY  
(Haverhill)

MASSACHUSETTS  
(ESSEX COUNTY)  
SOUTH GROVELAND QUADRANGLE  
7½-MINUTE SERIES



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



Contour interval 10 feet  
Datum is mean sea level

ROAD CLASSIFICATION 1944

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

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

SOUTH GROVELAND, MASS.  
Edition of 1944  
N4237.5-W7100/7.5

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

BRADFORD (JUNC. STATE NO. 125) 1.2 MI.  
ROCHESTER 4.3 MI.  
BRADFORD (JUNC. STATE NO. 125) 1.5 MI.  
HAVERHILL (JUNC. STATE NO. 125) 3.6 MI.  
GROVELAND 0.9 MI.  
LAWRENCE (JUNC. STATE NO. 28) 2.2 MI.  
MANCHESTER 3.3 MI.  
LAWRENCE (JUNC. WATER ST.) 3.1 MI.  
ANDOVER 1.3 MI.  
ANDOVER (CIVIC CENTER) 10.8 MI.  
JUNC. STATE NO. 28 1.3 MI.  
ANDOVER 1.3 MI.  
LAWRENCE (JUNC. WATER ST.) 4.8 MI.  
ANDOVER 1.3 MI.  
MIDDLETON 4.6 MI.  
SALEM 11.1 MI.  
JUNC. STATE NO. 28 1.5 MI.  
READING 7.5 MI.

0.6 MI. GEORGETOWN 0.6 MI.  
TOPSFIELD (JUNC. U. S. NO. 1) 7.7 MI.  
JUNC. U. S. NO. 1 4.9 MI.  
GEORGETOWN 3.6 MI.  
BOXFORD  
3.4 MI. TOPSFIELD (JUNC. U. S. NO. 1) 3.8 MI.