

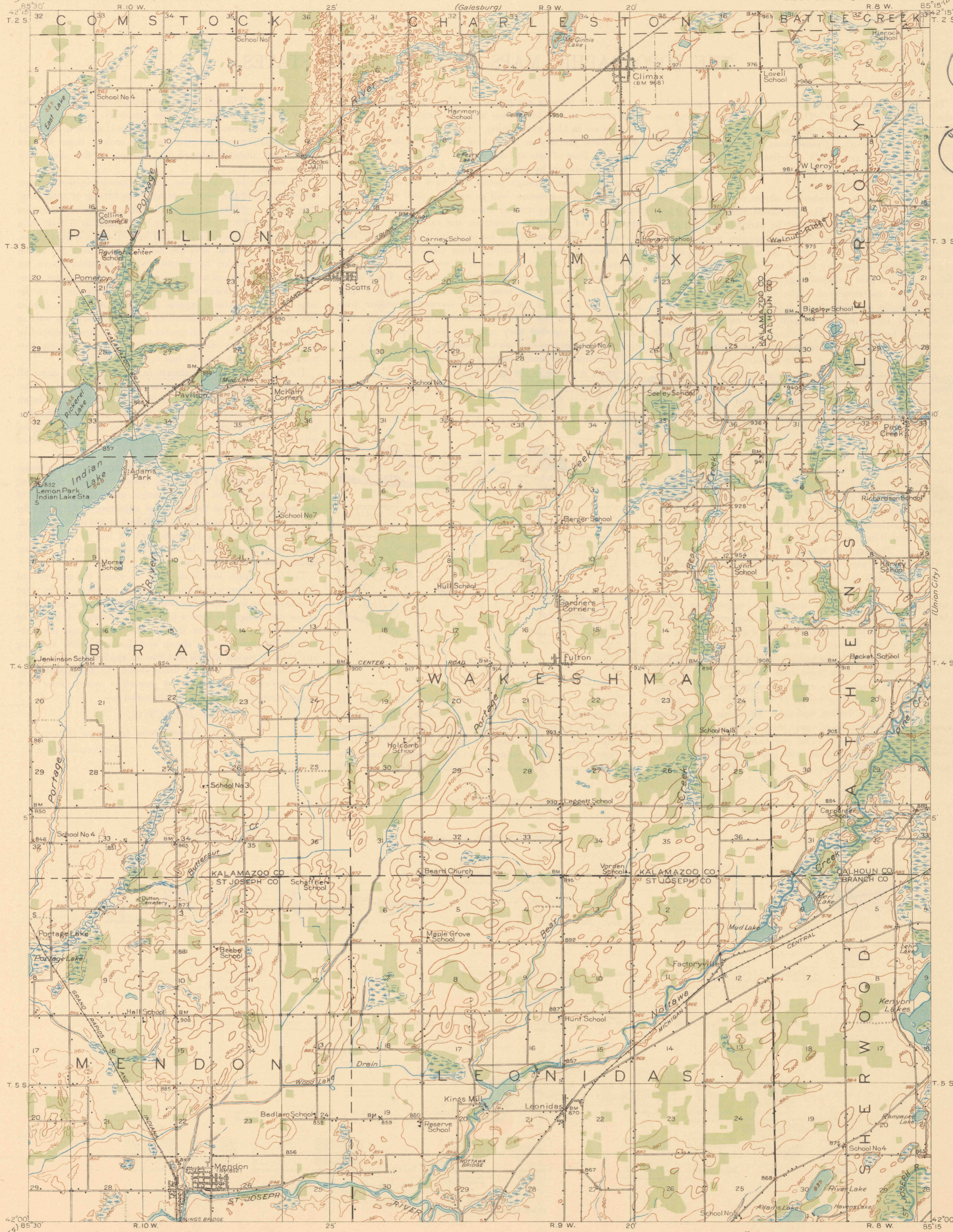
# TOPOGRAPHY

DEPARTMENT OF THE INTERIOR  
FRANKLIN K. LANE, SECRETARY  
U. S. GEOLOGICAL SURVEY  
GEORGE OTIS SMITH, DIRECTOR

STATE OF MICHIGAN  
BOARD OF GEOLOGICAL SURVEY  
R. A. ALLEN, STATE GEOLOGIST

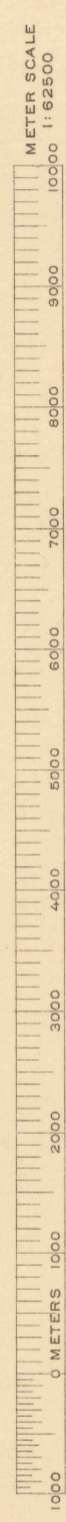
WAR DEPARTMENT  
CORPS OF ENGINEERS, U. S. ARMY

MICHIGAN  
LEONIDAS QUADRANGLE



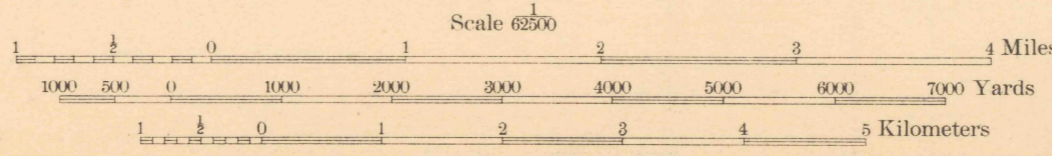
U. S. GEOLOGICAL SURVEY  
APR 16 1918  
LIBRARY.

U. S. GEOLOGICAL SURVEY  
APR 1 1918  
LIBRARY.



R. B. Marshall, Chief Geographer.  
W. H. Herron, Geographer in charge.  
Topography by J. I. Gayetty, P. W. McMillen, W. F. Hicks,  
and J. C. Hillard.  
Control by H. S. Senseney, S. L. Parker and E. E. Harris.  
Surveyed in 1917.

11 G
J. C. H.
W. F. H.



Contour interval 20 feet.  
Datum is mean sea level.

APPROXIMATE MEAN DECLINATION 1917

Edition of 1918.

LEONIDAS, MICH.