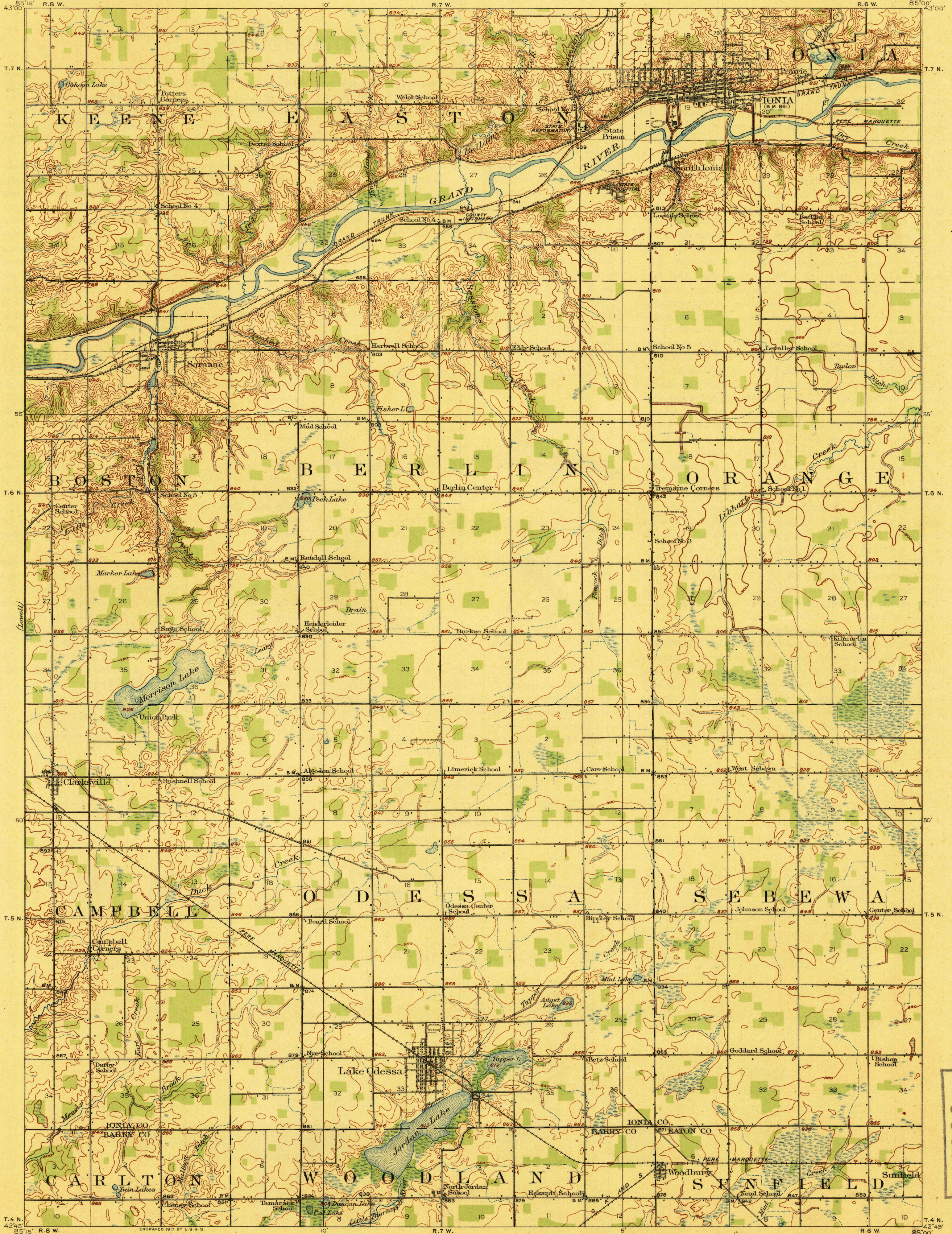


DEPARTMENT OF THE INTERIOR  
FRANKLIN K. LANE, SECRETARY  
U.S. GEOLOGICAL SURVEY  
GEORGE OTIS SMITH, DIRECTOR

TOPOGRAPHY  
STATE OF MICHIGAN  
BOARD OF GEOLOGICAL SURVEY  
R.C. ALLEN, STATE GEOLOGIST

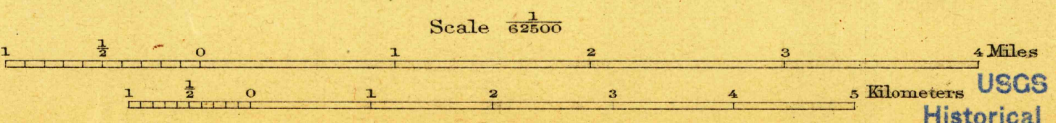
MICHIGAN  
IONIA QUADRANGLE  
R. 6 W. 43' 00"



U.S.G.S.  
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Ed. Div. Topographic Maps.

W.H. Herron, Acting Chief Geographer.  
Glenn S. Smith, Topographic Engineer in charge.  
Topography by J.H. Jennings and L.L. Lee.  
Control by J.R. Ellis, Oscar Jones, L.D. Townsend,  
H.S. Senseney, and E.C. Bibbee.  
Surveyed in 1916.

Jennings  
Lee



Contour interval 20 feet.  
Datum is mean sea level.

Historical File  
Topographic Division

AUG 31 1918 3575

IONIA, Mich.