

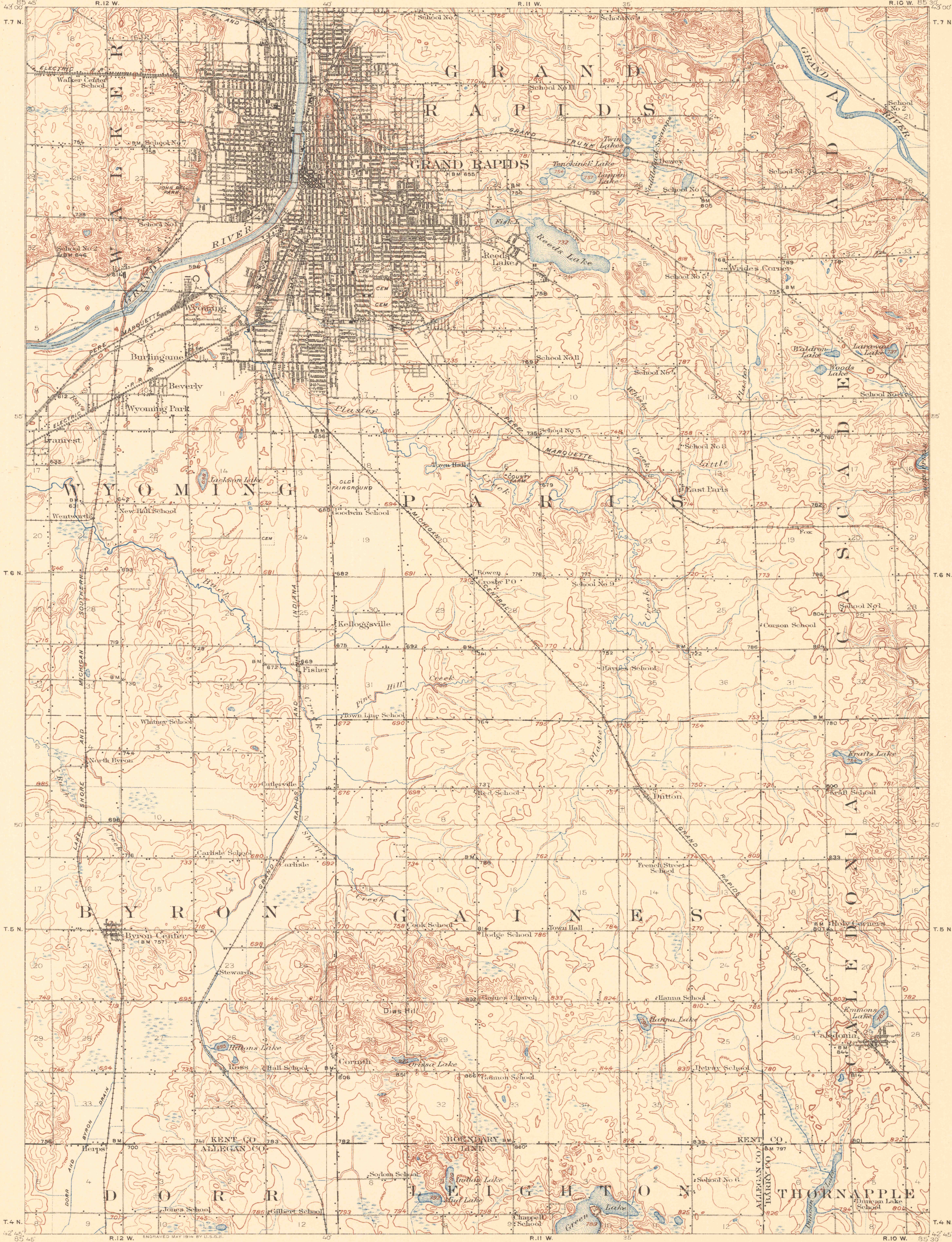
TOPOGRAPHY

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

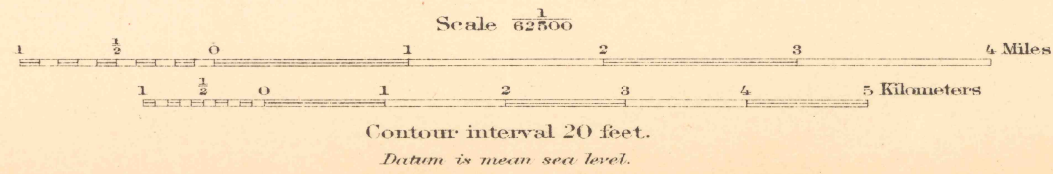
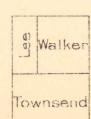
U.S. GEOLOGICAL SURVEY
GEORGE OTIS SMITH, DIRECTOR
R.12 W.

MICHIGAN
GRAND RAPIDS QUADRANGLE
R.10 W. 85 30'

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R.B. Marshall, Chief Geographer,
W.H. Herron, Geographer in charge,
Topography by A.M. Walker, L.L. Lee, and
L.D. Townsend.
Control by Corps of Engineers, U.S. Army,
J.P. Ellis, and L.D. Townsend.
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SURVEYED IN COOPERATION WITH THE STATE OF MICHIGAN.



APPROXIMATE MEAN
DECLINATION 1912.

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GRAND RAPIDS

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