

(GRAND RAPIDS)

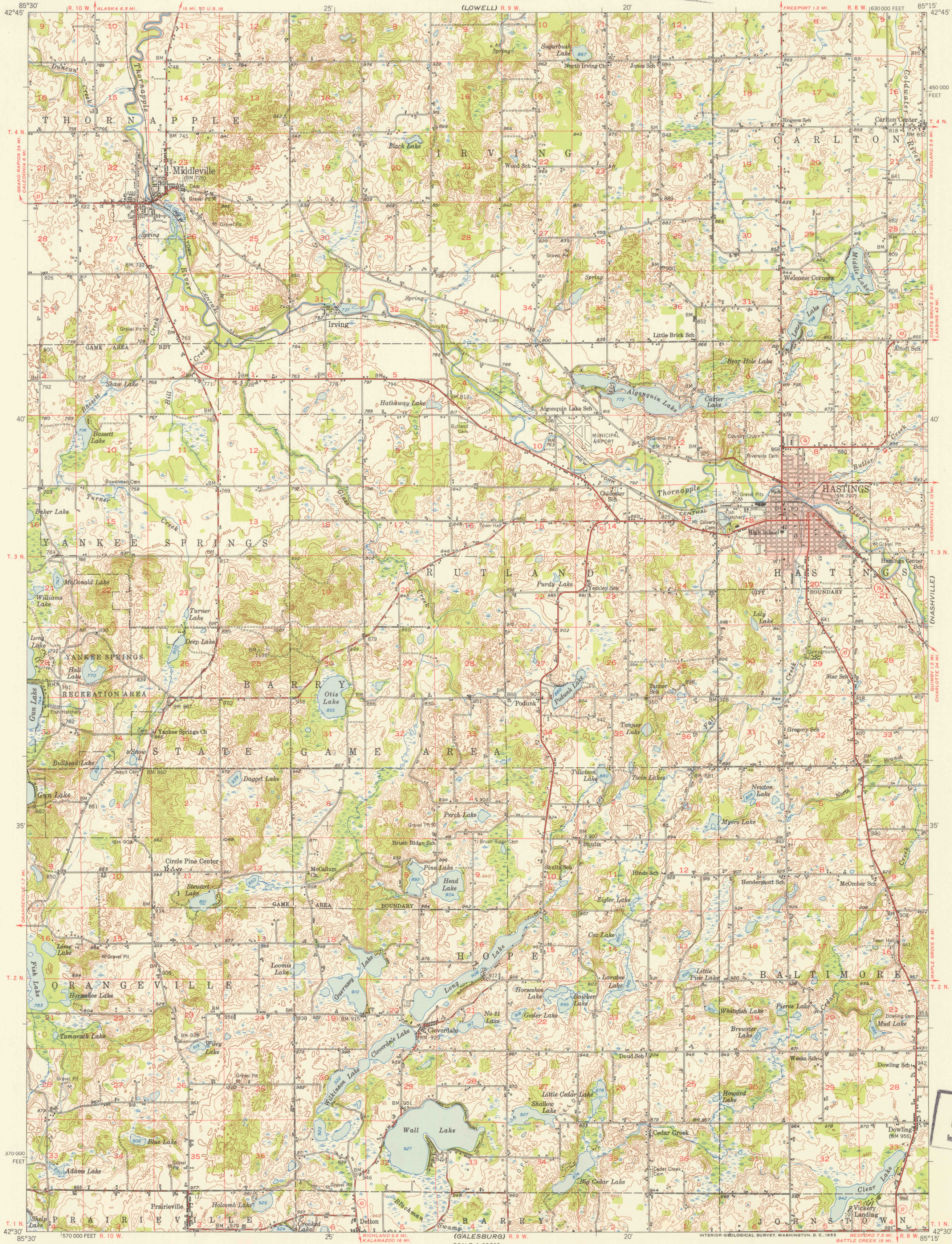
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MICHIGAN
STATE HIGHWAY DEPARTMENT
CHARLES M. ZIEGLER
STATE HIGHWAY COMMISSIONER
(LOWELL) R. 9 W.

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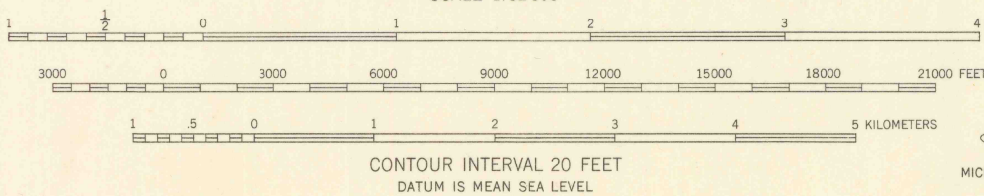
HASTINGS QUADRANGLE
MICHIGAN-BARRY CO.
15 MINUTE SERIES (TOPOGRAPHIC)

(IONIA)



Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography from aerial photographs by Kesh plotter
and by plane-table surveys 1950. Aerial photographs taken 1947
Field check 1951
Polyconic projection. 1927 North American datum
10,000-foot grid based on Michigan coordinate system,
central zone
Red tint indicates areas in which only
landmark buildings are shown

MAGNETIC NORTH
TRUE NORTH
APPROXIMATE MEAN
DECLINATION, 1951



ROAD CLASSIFICATION
Heavy-duty 4 LANE 16 LANE Light-duty
Medium-duty 4 LANE 16 LANE Unimproved dirt
U. S. Route State Route

HASTINGS, MICH.
N4230-W8515/15

1951

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