

(GRAND RAPIDS)

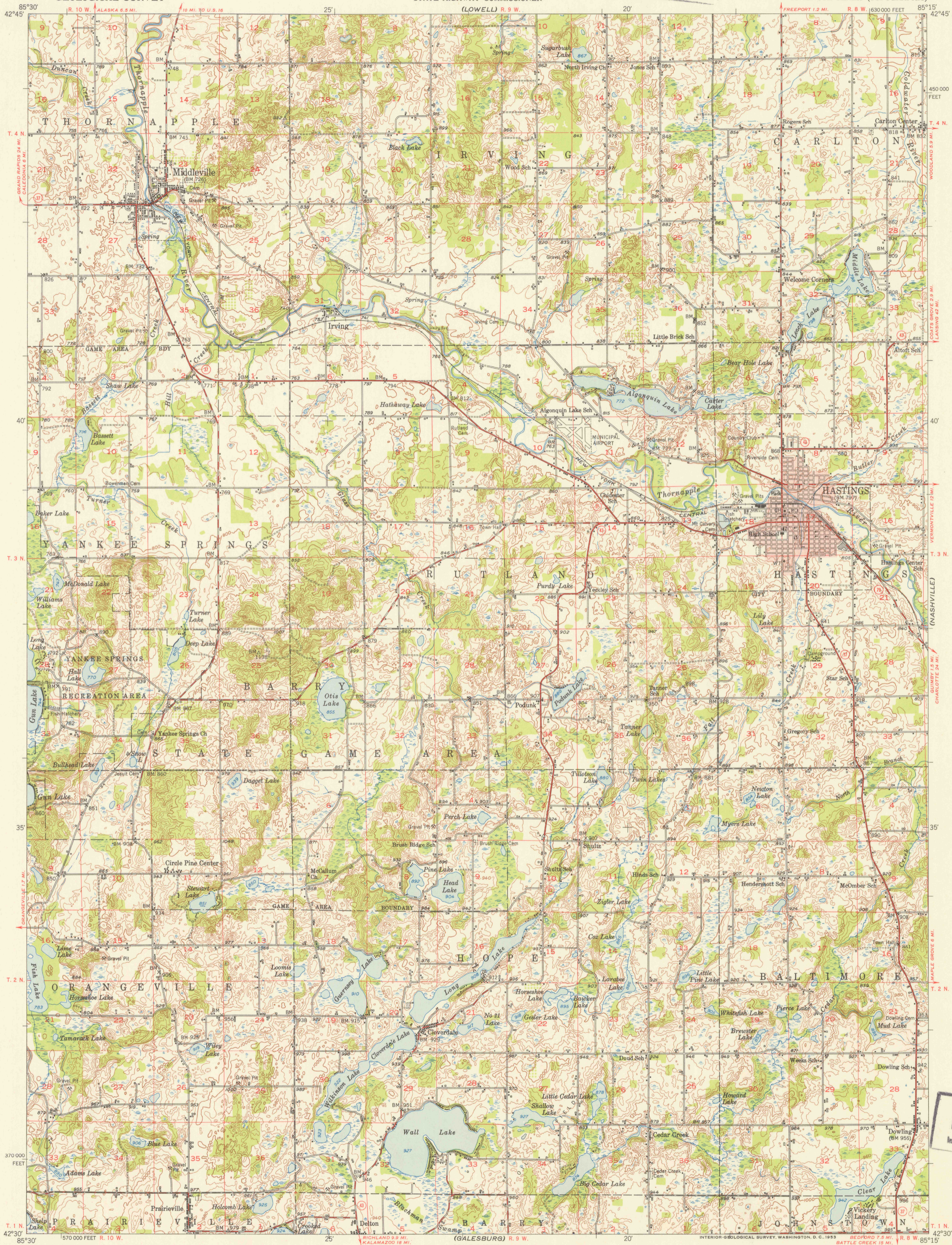
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

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FILE COPY
Incorporating and Editing

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

(CONIA)



Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

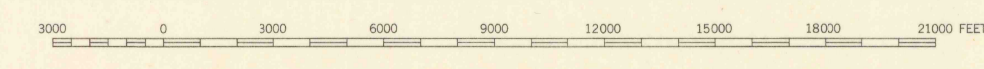
Topography from aerial photographs by Kesh plotter and by plane-table surveys 1950. Aerial photographs taken 1947. Field check 1951.

Polyconic projection. 1927 North American datum. 10,000-foot grid based on Michigan coordinate system, central zone.

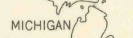
Red tint indicates areas in which only landmark buildings are shown.

USGS
Historical File
Topographic Division

SCALE 1:62,500

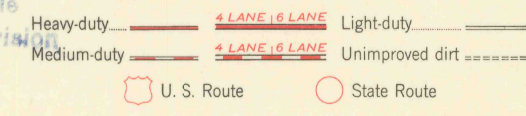


CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL



QUADRANGLE LOCATION

ROAD CLASSIFICATION



HASTINGS, MICH.
N4230-W8515/15

1951

MAR 10 1953

2615

(KALAMAZOO)

MAGNETIC NORTH
TRUE NORTH

APPROXIMATE MEAN DECLINATION, 1951

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST