

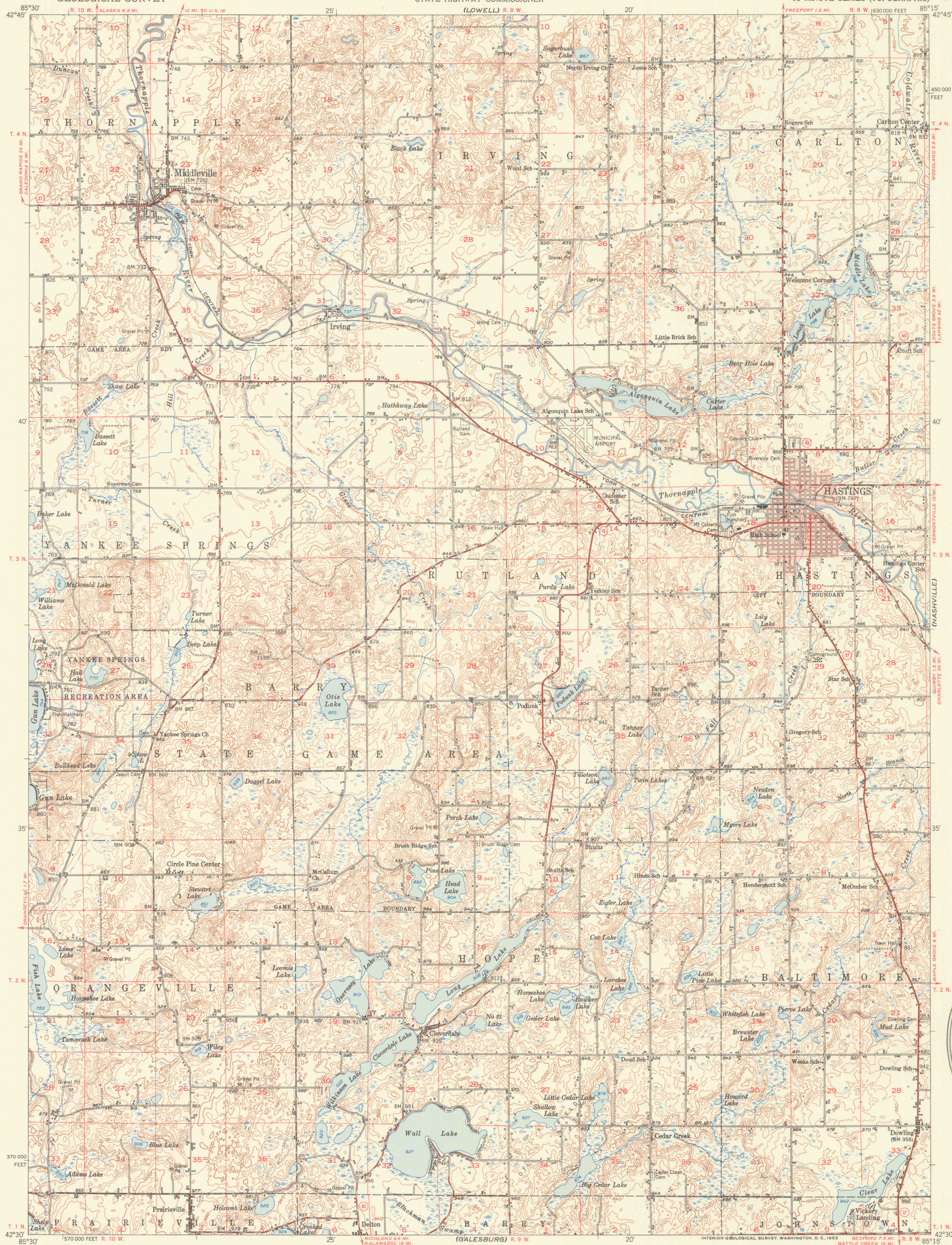
(GRAND RAPIDS)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

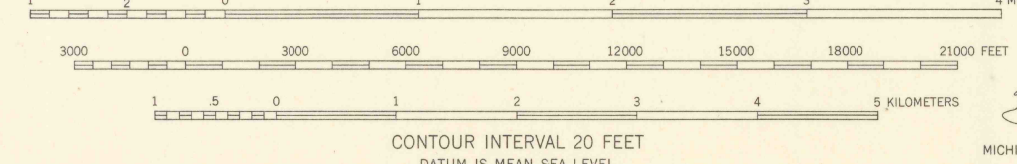
HASTINGS QUADRANGLE  
MICHIGAN-BARRY CO.  
15 MINUTE SERIES (TOPOGRAPHIC)

(NASHVILLE)



Mapped, edited, and published by the Geological Survey  
Control by USGS and USC&GS  
Topography from aerial photographs by Kelsh 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

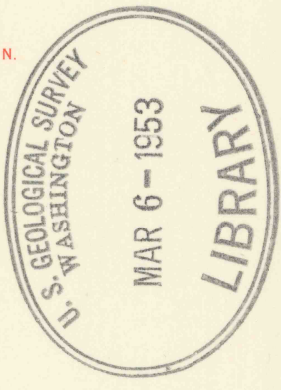
APPROXIMATE MEAN  
DECLINATION, 1951



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



(KALAMAZOO)

(BATTLE CREEK)

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
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A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST