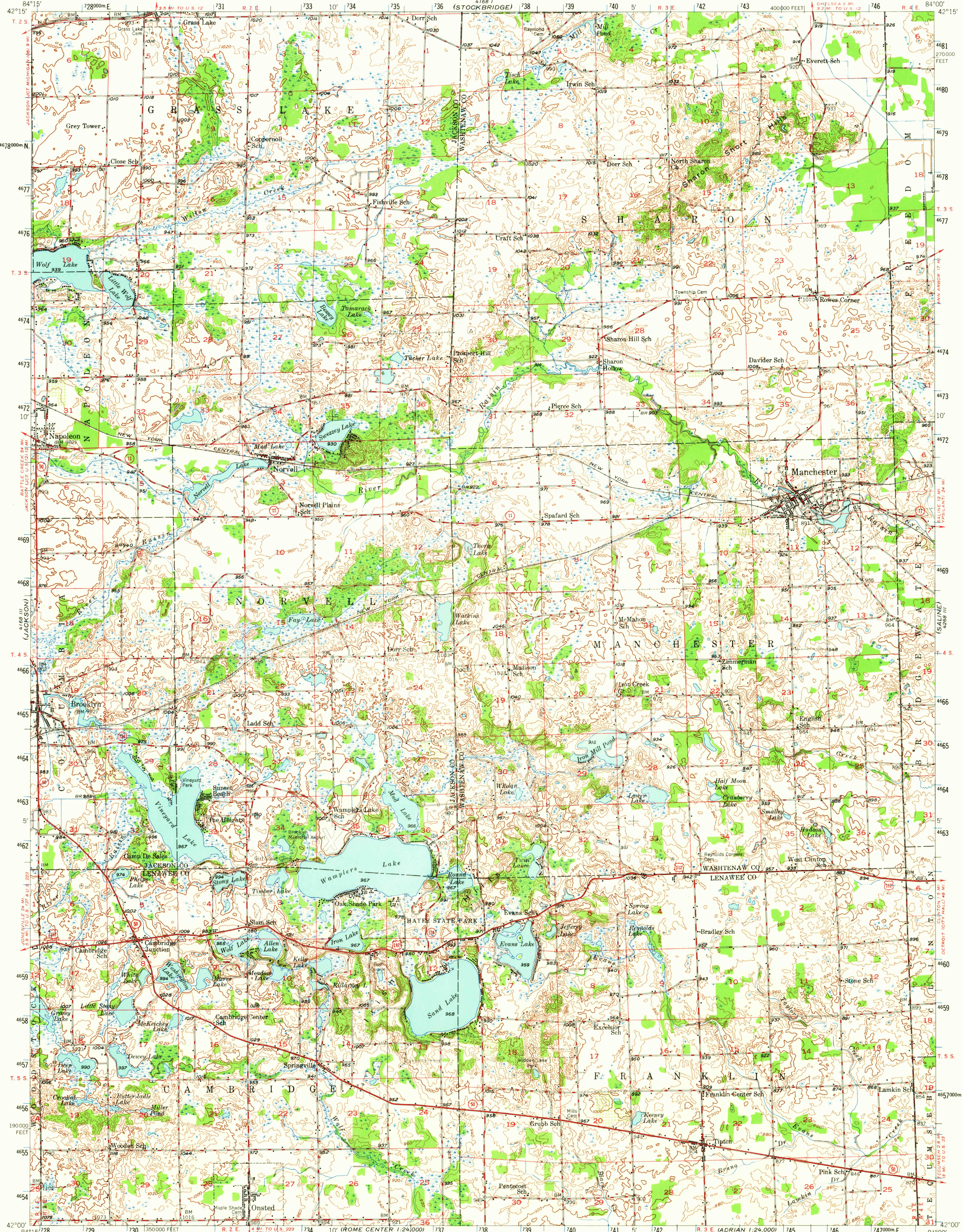


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

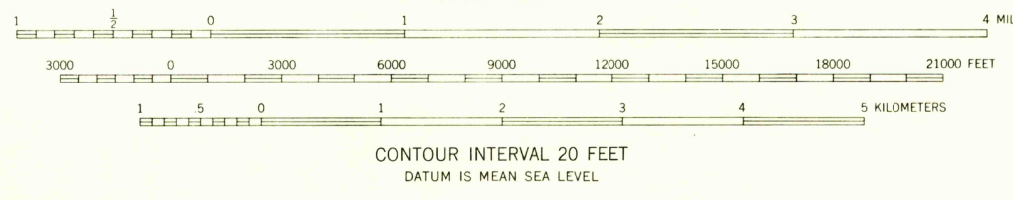
MICHIGAN
STATE HIGHWAY DEPARTMENT
CHARLES M. ZIEGLER
STATE HIGHWAY COMMISSIONER

MANCHESTER QUADRANGLE
MICHIGAN
15 MINUTE SERIES (TOPOGRAPHIC)



Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Culture and drainage in part compiled from
aerial photographs taken 1938 and 1940
Topography by plane-table methods 1947-1948
Polyconic projection. 1927 North American datum
10,000-foot grid based on Michigan coordinate system,
east zone
1000-meter Universal Transverse Mercator grid ticks,
zone 16, shown in blue

UTM GRID AND 1948 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET



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

USGS
Historical File
Topographic Division

ROAD CLASSIFICATION
HARD-SURFACE ALL WEATHER ROADS DRY WEATHER ROADS
Heavy-duty ———— LANE IS LANE Improved dirt ————
Medium-duty ———— LANE IS LANE Unimproved dirt ————
Loose-surface, graded, or narrow hard-surface ————
U. S. Route State Route

MANCHESTER, MICH.
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