

CENTRAL LAKE
39° 11' N

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

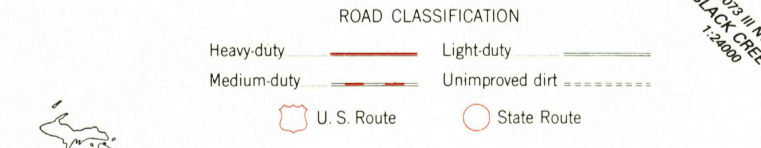
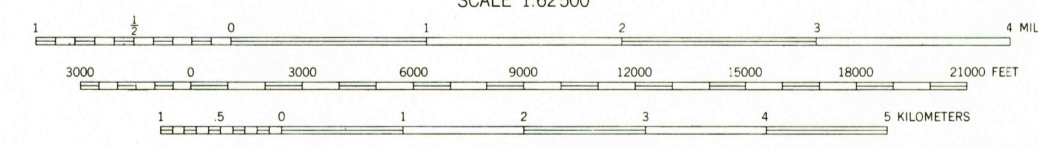
MANCELONA QUADRANGLE
MICHIGAN
15 MINUTE SERIES (TOPOGRAPHIC)

BOYNE FALLS
40° 11' N



FIFE LAKE
39° 13' N

Maped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography from aerial photographs by photogrammetric methods
Aerial photographs taken 1954. Field check 1956
Polyconic projection. 1927 North American datum
10,000-foot grid based on Michigan coordinate system, central zone
1000-meter Universal Transverse Mercator grid ticks,
zone 16, shown in blue
To place on the predicted North American Datum 1983,
move the projection line 3 meters north
There may be private inholdings within the boundaries of
the National or State reservations shown on this map



MANCELONA, MICH.
N 4445-W 8500/15
1956

AMS 3973 I-SERIES V762

CONTOUR INTERVAL 20 FEET
DOTTED LINES REPRESENT 10-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092
AND GEOLOGICAL SURVEY DIVISION
MICHIGAN DEPARTMENT OF NATURAL RESOURCES, LANSING, MICHIGAN 48909
A HOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

RETURN TO:
USGS MMD HISTORICAL MAP ARCHIVES