



Mapped, edited, and published by the Geological Survey  
Control by USGS, USC&GS, and U. S. Lake Survey  
Topography by photogrammetric methods from aerial  
photographs taken 1959 and planetable surveys 1963  
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 17, shown in blue  
Fine red dashed lines indicate selected fence and field lines where  
generally visible on aerial photographs. This information is unchecked

UTM GRID AND 1963 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

CONTOUR INTERVAL 10 FEET  
DOTTED LINES REPRESENT 5-FOOT CONTOURS  
DATUM IS MEAN SEA LEVEL

USGS  
Historical File  
Topographic Division

ROAD CLASSIFICATION  
Medium-duty ——— Light-duty ———  
Unimproved dirt ———  
State Route ○

QUADRANGLE LOCATION

JUL 23 1964

2665

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

RUTH, MICH.  
N4337.5—W8237.5/7.5  
1963  
AMS 4471 II NW—SERIES V862