

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

CROSS VILLAGE QUADRANGLE  
MICHIGAN—EMMET CO.  
15 MINUTE SERIES (TOPOGRAPHIC)

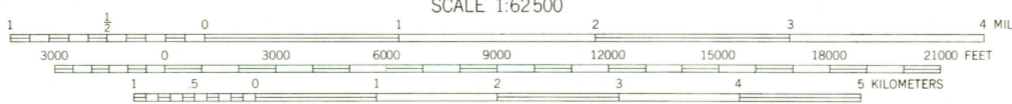
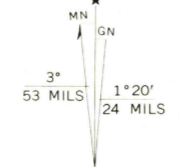


(HOG ISLAND)  
1973 N  
3973 N

(BIG SOUNDE BAY)  
1973 N  
3973 N



Mapped, edited, and published by the Geological Survey  
Control by USGS, USC&GS, and U. S. Lake Survey  
Topography from aerial photographs by photogrammetric methods  
Aerial photographs taken 1953-1954. Field check 1958  
Hydrography compiled from U. S. Lake Survey charts 704 and 706 (1957)  
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



CONTOUR INTERVAL 20 FEET  
DOTTED LINES REPRESENT 10-FOOT CONTOURS  
NATIONAL GEODETIC VERTICAL DATUM OF 1929  
DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS 578 FEET



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

UTM GRID AND 1958 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U. S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

CROSS VILLAGE, MICH.  
N4530—W8500/15

1958

AMS 3975 II—SERIES V762