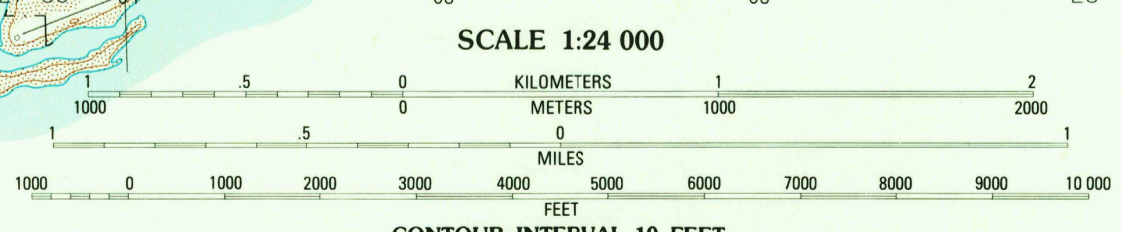
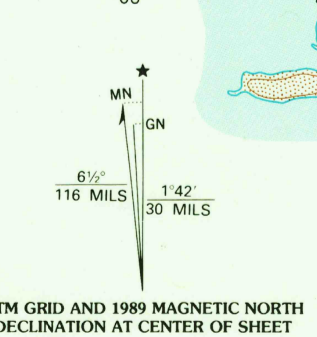




Produced by the United States Geological Survey
Control by USGS and NOS/NOAA
Topography by photogrammetric methods from aerial photographs taken 1958. Revised from aerial photographs taken 1983-84. Field checked 1988. Map edited 1989.
Selected hydrographic data compiled from NOS chart 14864 (1986). This information is not intended for navigational purposes.
Projection and 10,000-foot grid ticks: Michigan coordinate system, central zone (Lambert conformal conic).
1000-meter Universal Transverse Mercator grid, zone 17 1927 North American Datum.
To place on the predicted North American Datum 1983, move the projection lines 1 meter north and 5 meters west as shown by dashed corner ticks.
There may be private holdings within the boundaries of the National or State reservations shown on this map.
Gray tint indicates areas in which only landmark buildings are shown.
Fine red dashed lines indicate selected fence and field lines where generally visible on aerial photographs. This information is unchecked.



CONTOUR INTERVAL 10 FEET
SUPPLEMENTARY CONTOUR INTERVAL 5 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
DEPTH CURVES AND SOUNDINGS IN FEET
REFERENCE LEVEL 574.8 FEET, INTERNATIONAL GREAT LAKES DATUM
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
AND THE GEOLOGICAL SURVEY DIVISION
MICHIGAN DEPARTMENT OF NATURAL RESOURCES, LANSING, MICHIGAN 48909

ROAD CLASSIFICATION

Primary highway, Light-duty road, hard or hard surface Improved surface

Secondary highway, Unimproved road

Interstate Route U. S. Route State Route

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1989

MICHIGAN
QUADRANGLE LOCATION

EAST TAWAS, MICH.
SW-4 EAST TAWAS 15 QUADRANGLE
44083-C4-TF-024
1989
DMA 4372 IV SW—SERIES V862

USGS NMD HISTORICAL
FEB 05 1990
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