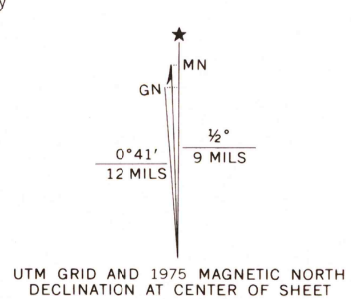


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RALPH NW QUADRANGLE
MICHIGAN
7.5 MINUTE SERIES (TOPOGRAPHIC)
NW 1/4 RALPH 15' QUADRANGLE



Maped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography from aerial photographs by photogrammetric methods
Aerial photographs taken 1951. Field check 1955
Polyconic projection. 1927 North American datum
10,000-foot grid based on Michigan coordinate system,
north zone
1000-metre Universal Transverse Mercator grid ticks,
zone 16, shown in blue
Revisions shown in purple compiled from aerial photographs
taken 1975. This information not field checked



CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929



ROAD CLASSIFICATION
Heavy-duty ——— Light-duty ———
Medium-duty ——— Unimproved dirt ———
U.S. Route State Route

USGS
Historical File
Topographic Division

RALPH NW, MICH.
NW 1/4 RALPH 15' QUADRANGLE
N4607.5-W8752.5/7.5
1955
PHOTOREVISED 1975
AMS 3476 III NW-SERIES V862

2780
SEP 23 1977