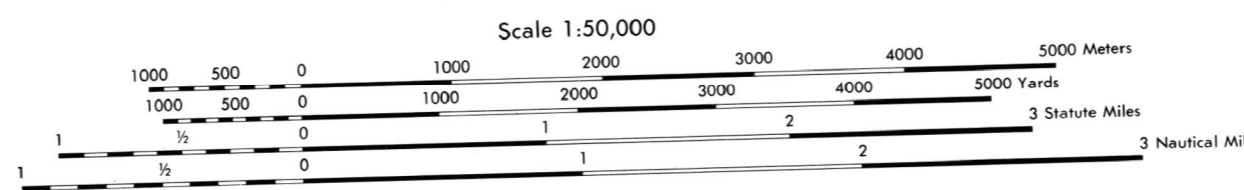


Prepared and published by the Defense Mapping Agency
Topographic Center, Washington, D. C.



CONTOUR INTERVAL 20 FEET

LEGEND

MAP INFORMATION AS OF 1968

ON THIS MAP, A LANE IS GENERALLY CONSIDERED AS BEING A MINIMUM OF 8 FEET (2.5 METERS) IN WIDTH IN DEVELOPED AREAS, ONLY THROUGH ROADS ARE CLASSIFIED. TINT INDICATES BUILDUP AREAS IN WHICH ONLY BUILDINGS OR STRUCTURES ARE SHOWN.

ROADS	Divided highway with median strip	Church, school
Primary all weather, hard surface, two or more lanes wide	12 LANES	Windmill, tank pump
Secondary all weather, hard surface, two or more lanes wide	12 LANES	Mine, vertical shaft
Light duty, all weather, hard or improved surface	8 LANES	Mine, horizontal shaft
Fair or dry weather, unimproved surface	4 LANES	Open pit mine or quarry, inactive
Trail	2 LANES	Open pit mine or quarry, active
Route markers, Interstate, Federal, State	96, 98, 100	Horizontal control station, located object
RAILROADS (Standard gauge: 4'8 1/2" - 1.44 m.)	3 TRACKS	Bench mark, non-monumented
Single track	1 TRACK	Bench mark, monumented
Multiple track, non-operating	2 TRACKS	Spot elevations in feet. Checked/Unchecked
Railroad station. Position known/Position unknown	Station	Woodland, scrub
Car line	Car	Wetland, orchard
BOUNDARIES	National	Watermill, dam
State, territory	State	Interment lake
County, parish, multiple	County	Interment stream, dam
Civil township, precinct, town, barrio	Township	Marsh or swamp
Incorporated city, village, town, hamlet	City	Rapids, falls
Reservation, National, state, military	Reservation	Large rapids, large falls
Power transmission line	Power	

SPHEROID CLARKE 1866
GRID TRANSVERSE MERCATOR
PROJECTION NATIONAL GRID
HORIZONTAL DATUM 1927 NORTH AMERICAN DATUM
VERTICAL DATUM 1929 NORTH AMERICAN DATUM
CONTROL BY U.S. AND FOREIGN
PREPARED BY DEFENSE MAPPING AGENCY TOPOGRAPHIC CENTER
PRINTED BY DEFENSE MAPPING AGENCY TOPOGRAPHIC CENTER 1:77

Reprinted by NIMA 04-01

100 METER REFERENCE

1. Read large numbers labeling the VERTICAL grid line left of point and estimate tenths (100 meters) from grid line to point. 12.2

2. Read large numbers labeling the HORIZONTAL grid line below point and estimate tenths (100 meters) from grid line to point. 45.6

Example: 122456

WHEN REPORTING ACROSS A 100,000 METER SQUARE LINE, PREFIX THE 100,000 METER SQUARE IDENTIFICATION, IN WHICH THE POINT LIES.
Example: FE123456

WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA, PREFIX THE GRID ZONE DESIGNATION.
Example: 16TFE123456

ELEVATION GUIDE

ADJOINING SHEETS

4073 IV	4073 I	4173 IV
4073 III	4073 II	4173 III
4072 IV	4072 I	4172 IV

BOUNDARIES

1	2
3	4
5	6

A. Crawford County
1. Fredrick Township
2. Grayling Township
3. Grayling City
4. Beaver Creek Township
5. South Branch Township
B. Roscommon County
6. Lyon Township
7. Gerrish Township
8. Higgins Township

GRID CONVERGENCE (1°40' (20 MILES) FOR CENTER OF SHEET)

1975 G.M. ANGLE 5° (90 MILES)

TO CONVERT A MAGNETIC AZIMUTH TO A GRID AZIMUTH SUBTRACT G.M. ANGLE

TO CONVERT A GRID AZIMUTH TO A MAGNETIC AZIMUTH ADD G.M. ANGLE

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA OPERATIONAL HELP DESK: 1-800-455-8989 COMMERCIAL 314-263-4864 DSN 685-4864 OR WRITE TO: DIRECTOR, NATIONAL IMAGERY AND MAPPING AGENCY, ATTN: ES, MAIL STOP L-88, 4800 SANGAMORE ROAD, BETHESDA, MD 20815-0002

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