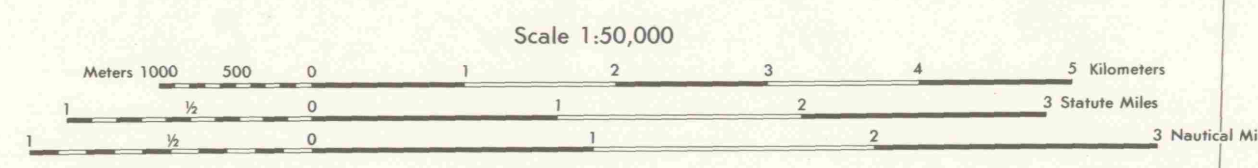


Prepared and published by the Defense Mapping Agency Hydrographic/Topographic Center, Washington, D. C.

LEGEND
MAP INFORMATION AS OF 1978

ON THIS MAP, A LANE IS GENERALLY CONSIDERED AS BEING A MINIMUM OF 2.5 METERS (8 FEET) IN WIDTH.

ROADS	Divided highway with median strip	Buildings or structures	Church, School
Primary all weather, hard surface, two or more lanes wide	3 LANES	Tank, Fort	+
Secondary all weather, hard surface, two or more lanes wide	2 LANES	Windmill, Watermill	W
Light duty, all weather, hard or improved surface	1 LANE	Mines: Horizontal shaft, Vertical shaft	M
Fair or dry weather, unimproved surface	0 LANES	Mine, prospect	X
Trail	—	Open pit mine or quarry, inactive	OP
Route markers: Interstate, Federal, State	95 100 101	Open pit mine or quarry, active	OA
RAILROADS Standard gauge: 1.44m (4'8 1/2")	—	Horizontal control station	BM
Single track	1 TRACK	Bench mark, monumented	BM x 792
Multiple track	2 TRACKS	Bench mark, non-monumented	x 431
Multiple track, Single track, non-operating	3 TRACKS	Spot elevations in meters: Checked/Unchecked	768 768
Railroad station, Position known, Position unknown	—	Woodland, Scrub	—
Car line	—	Orchard, Vineyard	—
BOUNDARIES	—	Intermittent lake and stream, Wash	—
National	—	Dams: Masonry, Earthen	—
State, territory	—	Marsh or swamp	—
County, parish, municipio	—	Rapids, Falls: Large rapids	—
Civil township, precinct, town, barrio	—	Spring; Well: Large falls	—
Incorporated city, village, town, hamlet	—		
Reservation: National, state, Military	—		
Power transmission line	—		



ELEVATIONS IN METERS
CONTOUR INTERVAL 10 METERS
SUPPLEMENTARY CONTOURS 5 METERS

SPHEROID: CLARKE 1866
GRID PROJECTION: TRANSVERSE MERCATOR
VERTICAL DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929
HORIZONTAL DATUM: 1927 NORTH AMERICAN DATUM
CONTROL BY: USGS AND NOS/NOAA
PRINTED BY: DEFENSE MAPPING AGENCY HYDROGRAPHIC/TOPOGRAPHIC CENTER 11-79

FOR SALE BY U. S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092

100 METER REFERENCE

1. Read large numbers labeling the VERTICAL grid line to the left of the point and estimate tenths (100 meters) from grid line to point. Example: 12 3

2. Read large numbers labeling the HORIZONTAL grid line below the point and estimate tenths (100 meters) from grid line to point. Example: 45 0

Example: 123456

WHEN REPORTING OUTSIDE THE 100,000 METER SQUARE AREA IN WHICH THE POINT LIES, PREFIX THE 100,000 METER SQUARE IDENTIFICATION. Example: FD123456

WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA IN WHICH THE POINT LIES, PREFIX THE GRID ZONE DESIGNATION. Example: 16T123456

GRID CONVERGENCE 1796 (26 MILS) FOR CENTER OF SHEET

1975 G-M ANGLE 4" (70 MILS)

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

ELEVATION GUIDE		ADJOINING SHEETS			BOUNDARIES		
High	299	3971 I	4071 IV	4071 I	a	b	c
Medium	273	3971 II	4071 III	4071 II	d	e	f
Low	256	3970 I	4070 IV	4070 I	g	h	i
	228				j	k	l

- Isabella County
- Colfax Township
- Collamore Township
- Sherman Township
- Vernon Township
- Nottawa Township
- Isabella Township
- Bronfield Township
- Deerfield Township
- Union Township
- Rolland Township
- Lincoln Township

THIS MAP IS RED-LIGHT READABLE

USERS SHOULD REFER TO CORRECTIONS, ADDENDUMS AND COMMENTS FOR WORKING THIS PRODUCT TO DATE.

DEFENSE MAPPING AGENCY HYDROGRAPHIC/TOPOGRAPHIC CENTER, WASHINGTON, D. C. 20315, ATTN: DPMPC

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