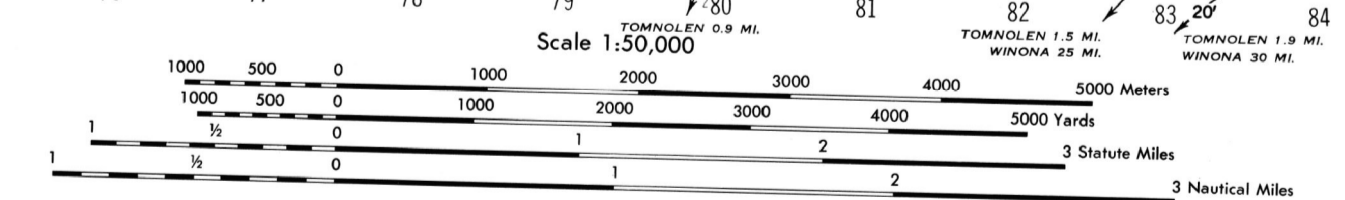


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Topographic Center, Washington, D. C.



- LEGEND**
- ON THIS MAP A LANE IS GENERALLY CONSIDERED AS BEING A MINIMUM OF 8 FEET (2.5 METERS) IN WIDTH
- ROADS**
    - Divided highway with median strip
    - Primary all-weather, hard surface
    - Secondary all-weather, hard surface
    - Light duty all-weather, hard or improved surface
    - Fair or dry-weather, unimproved surface
    - Trail
    - Route markers: Interstate, Federal, State
  - BRIDGES**
    - Overpass; Underpass
    - Highway bridge; Footbridge
    - Railroad bridge
  - RAILROADS**
    - Standard-gauge (4'8 1/2" - 14' 0")
    - Narrow-gauge
  - BOUNDARIES**
    - International
    - State
    - County
    - Corporate limits
    - Reservations: Military, Other
  - OTHER FEATURES**
    - Buildings or structures
    - Church; School
    - Tanks; Windmill
    - Power transmission line
    - Benchmarks: Monumented, Non-monumented
    - Horizontal control point
    - Spot elevation in feet: Checked, Unchecked
    - Locust object
    - Mine or quarry
    - Leaves; Cut; Fill
    - Sand; Swamp
    - Woodland; Scrub
    - Orchard; Vineyard
    - Land subject to controlled inundation
    - Intermittent stream
    - Dam; Masonry; Earthen
    - Intermittent lake
    - Spring; Well
    - Falls; Large Small

CONTOUR INTERVAL 20 FEET  
SUPPLEMENTARY CONTOURS 10 FEET

**SPHEROID** CLARKE 1866  
**GRID** TRANSVERSE MERCATOR  
**PROJECTION** 1,000 METER UTM ZONE 16  
**VERTICAL DATUM** SEA LEVEL DATUM 1929  
**HORIZONTAL DATUM** 1927 NORTH AMERICAN DATUM  
**CONTROL BY** MNC, CE, USGS, AND USCGS  
**PRINTED BY** DEFENSE MAPPING AGENCY TOPOGRAPHIC CENTER 9-76  
**REPRINTED BY** NIMA 01-01

**100 METER REFERENCE**

1. Read large numbers labeling the VERTICAL grid (east of point and estimate tenths (100 meters) from gridline to point). 12 3

2. Read large numbers labeling the HORIZONTAL grid line below point and estimate tenths (100 meters) from grid line to point. 45 6

Example: 123456

WHEN REPORTING OUTSIDE THE 100,000 METER SQUARE AREA IN WHICH THE POINT LIES, PREFIX THE 100,000 METER SQUARE IDENTIFICATION. Example: BN123456

WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA IN WHICH THE POINT LIES, PREFIX THE GRID ZONE DESIGNATION. Example: 16SN123456

**ELEVATION GUIDE**

**ADJOINING SHEETS**

3051 I	3151 IV	3151 I
3051 II	3151 III	3151 II
3000 I	3150 IV	3150 I

**BOUNDARIES**

**GRID CONVERGENCE**  
1°19' (23 MILES)  
FOR CENTER OF SHEET

**1975 G-M ANGLE**  
41° (80 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

NSN 7843014043701  
NIMA Ref No. V743X31513

ED NO001

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