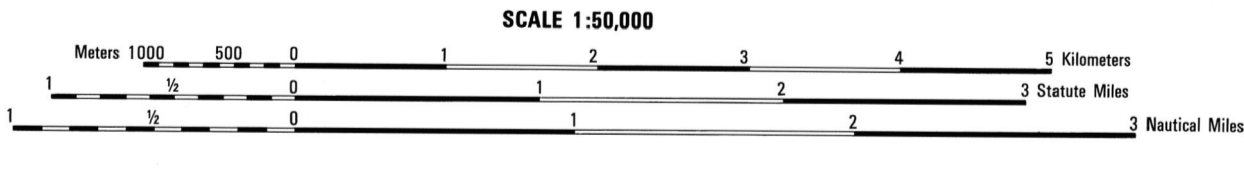
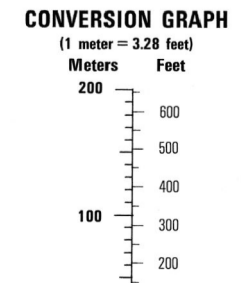


Prepared and published by the Defense Mapping Agency  
Aerospace Center, St. Louis, Missouri.  
MAP INFORMATION AS OF 1984

**LEGEND**  
CAUTION: NOT ALL TELEPHONE AND ELECTRIC SERVICE LINES ARE SHOWN.  
A LANE ON THIS MAP IS CONSIDERED TO BE 2.5 METERS WIDE.  
IN DEVELOPED AREAS ONLY THROUGH ROADS ARE CLASSIFIED.  
THERE MAY BE PRIVATE INHOLDINGS WITHIN THE BOUNDARIES OF THE NATIONAL OR STATE RESERVATIONS SHOWN ON THIS MAP.

- |   |  |   |
|---|--|---|
| <p><b>ROADS</b></p> <ul style="list-style-type: none"> <li>Divided highway with median strip</li> <li>Primary, all weather, hard surface</li> <li>Secondary, all weather, hard surface</li> <li>Light duty, all weather, hard or improved surface</li> <li>Fair or dry weather, unimproved surface</li> <li>Trail</li> <li>Route markers: Interstate, Federal, State</li> <li>Bridge: With superstructure; Without superstructure</li> <li>Railroads: Standard gauge 1.44m (4'7 1/2")</li> <li>Single track</li> <li>Multiple track</li> <li>Nonoperating</li> <li>Railroad station: Location known; Location unknown</li> <li>Car line</li> <li>Railroad bridge: With superstructure; Without superstructure</li> <li>Tunnel: Highway; Railroad</li> </ul> | <p><b>BOUNDARIES</b></p> <ul style="list-style-type: none"> <li>National, with monument</li> <li>State, territory</li> <li>County, parish</li> <li>Civil township, town</li> <li>Incorporated city, village, town</li> <li>Reservation: National, State, Military</li> </ul> | <p><b>Power transmission line</b></p> <ul style="list-style-type: none"> <li>Buildings</li> <li>Structure</li> <li>Church, School</li> <li>Power substation</li> <li>Windmill; Watermill</li> <li>Well; Tank</li> <li>Mine shaft</li> <li>Open pit mine or quarry</li> <li>Horizontal control station</li> <li>Bench mark, monument</li> <li>Bench mark, non-monumental</li> <li>Spot elevations in meters</li> <li>Leaves, rills, dikes</li> <li>Bluffs, cliffs</li> <li>Woodland</li> <li>Scattered trees; Scrub</li> <li>Vineyard; Orchard; plantation</li> <li>Intermittent lake; Dam; Earthen; Masonry</li> <li>Stream; Perennial; Intermittent</li> <li>Marsh, swamp</li> <li>Small rapids; Small falls</li> <li>Large rapids; Large falls</li> </ul> |
|---|--|---|



**ELEVATIONS IN METERS**

CONTOUR INTERVAL 10 METERS  
SUPPLEMENTARY CONTOURS 5 METERS

**SPHEROID** CLARKE 1866  
**GRID** 1800 METER UTM ZONE 18 (BLANK UNNUMBERED LINES)  
**PRODUCTION** TRANSVERSE MERCATOR  
**VERTICAL DATUM** NATIONAL GEODESIC VERTICAL DATUM OF 1929  
**HORIZONTAL DATUM** 1927 NORTH AMERICAN DATUM  
**CONTROL BY** DMAAC  
**PREPARED BY** DMAAC

Report by NIMA 01-00  
FOR SALE BY U.S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092

**100 METER REFERENCE**

- Read large numbers labeling the VERTICAL grid line left of point 1.2
- Read large numbers labeling the HORIZONTAL grid line below point 4.8

Example: 123456

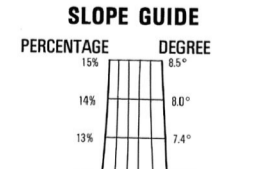
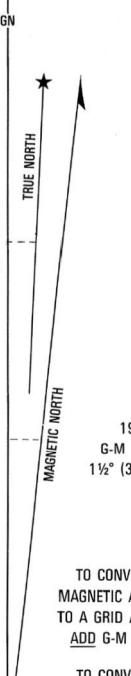
WHEN REPORTING ACROSS A 100.00 METER LINE, PREFIX THE 100.00 METER SQUARE IDENTIFICATION IN WHICH THE POINT LIES.

Example: DL123456

WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA, PREFIX THE GRID ZONE DESIGNATION.

Example: 18RDL123456

GRID CONVERGENCE 0°28' (810 MILS) FOR CENTER OF SHEET



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

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

