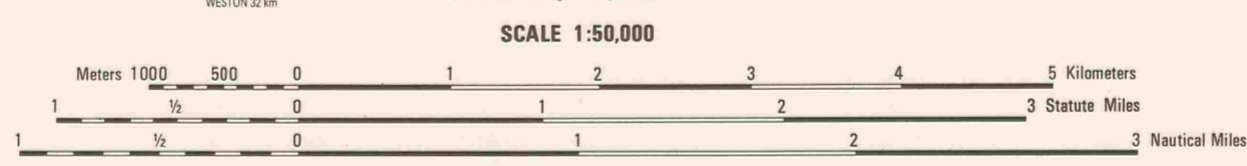
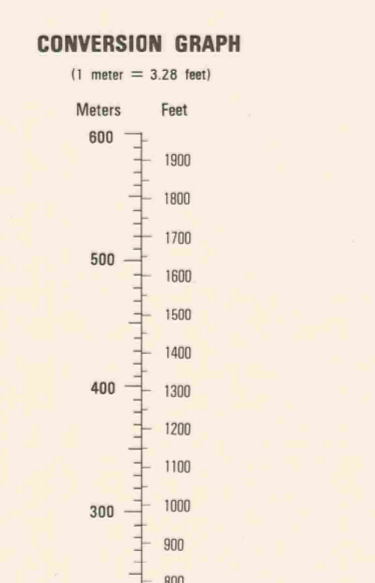


Prepared by the U.S. Geological Survey for publication by the Defense Mapping Agency Hydrographic Topographic Center, Bethesda, MD
MAP INFORMATION AS OF 1990.



ELEVATIONS IN METERS
CONTOUR INTERVAL 20 METERS

- LEGEND**
- CAUTION: ALL TELEPHONE AND ELECTRIC SERVICE LINES ARE NOT 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>ROADS</p> <ul style="list-style-type: none"> 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 <p>Road markers: Interstate, Federal, State</p> <p>BRIDGES (Standard gauge 1.4m - 4'8 1/2")</p> <ul style="list-style-type: none"> Single track Multiple track Nonoperating Railroad station: Location known, Location unknown Car line Railroad bridge Tunnel: Highway, Railroad <p>BOUNDARIES</p> <ul style="list-style-type: none"> National, with monument State, territory County, parish Civil township, town Incorporated city, village, town Reservation: National, State, Military | <p>Power transmission line</p> <ul style="list-style-type: none"> Buildings Structures Church, School Power substation Windmill, Watermill Well, Tank Mine shaft Open pit mine or quarry Horizontal control station Bench mark, monumented Bench mark, non-monumented Spot elevations in meters Leaves, rims, dikes Bluffs, cliffs Woodland Scattered trees, Scrub Viewshed, Orchard, plantation Intermittent lake, Dam, Embank, Masonry Stream, Perennial, Intermittent Marsh, swamp Small falls, Large falls Small rapids, Large rapids |
|--|---|



ELLIPSOID: GEODETIC REFERENCE SYSTEM 1980
GRID: 1,000-METER UTM ZONE 17 (BLACK NUMBERED LINES)
5,000-METER STATE GRID TICS, WEST VIRGINIA (NORTH ZONE)
PROJECTION: TRANSVERSE MERCATOR
VERTICAL DATUM: NATIONAL GEODETIC DATUM OF 1929
HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983
CONTROL: LINES AND MONUMENTS
PREPARED BY: U.S. GEOLOGICAL SURVEY
PUBLISHED BY: DMA/HC 4-93

FOR SALE BY U.S. GEOLOGICAL SURVEY
DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

100-METER REFERENCE

1. Read large numbers labeling the VERTICAL grid line left of point and estimate tenths (1/10) meters from grid line to point (1.2).

2. Read large numbers labeling the HORIZONTAL grid line below point and estimate tenths (1/10) meters from grid line to point (4.6).

Example: 123456

WHEN REPORTING ACROSS A 100,000-METER LINE, PREFIX THE 100,000-METER SQUARE IDENTIFIER IN WHICH THE POINT LIES.

Example: ND123456

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

Example: 17SD123456

BOUNDARIES

ADJOINING SHEETS

4963 III	4963 II	4963 I
4962 III	4962 II	4962 I
4961 III	4961 II	4961 I

THIS MAP IS RED-LIGHT READABLE

SLOPE GUIDE

PERCENTAGE vs DEGREE

PERCENTAGE	DEGREE
1%	5.7°
2%	11.4°
3%	17.1°
4%	22.8°
5%	28.5°
6%	34.2°
7%	39.9°
8%	45.6°
9%	51.3°
10%	57.0°

ELEVATION GUIDE

High 50 Medium 60 Low 70

USGS 39080-G3-TM-050

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