



Prepared and published by the Defense Mapping Agency.

**LEGEND**

**MAP INFORMATION AS OF 1972**  
IN DEVELOPED AREAS ONLY THROUGH ROADS ARE CLASSIFIED  
RED TINT INDICATES BUILT-UP AREAS IN WHICH ONLY LANDMARK BUILDINGS ARE SHOWN

<b>ROADS</b>	Hard surface, heavy duty, divided highways, with median strip	Hard surface, medium duty, two lanes wide, three lanes wide	Hard surface, heavy duty, four or more lanes wide	Hard surface, heavy duty, two lanes wide, three lanes wide	Hard surface, medium duty, four or more lanes wide	Unimproved dirt	Track or rail	Route markers: Interstate, Federal, State
<b>RAILROADS</b>	Standard gauge	Open pit mine or quarry	Tasks located above	Building or structure	Church, School	Cemetery	Other reservation	Power transmission line
<b>BOUNDARIES</b>	County (with monument)	Corporate limits	Military reservation	Other reservation	Power transmission line	Bench mark, non-measured	Bench mark, non-measured	
<b>BOUNDARIES</b>	County (with monument)	Corporate limits	Military reservation	Other reservation	Power transmission line	Bench mark, non-measured	Bench mark, non-measured	
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**100 METER REFERENCE**

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

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

Example: 123456

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

Example: TP123456

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

Example: 18TP123456

Scale 1:50,000

Meters 1000 500 0 1 2 3 4 5 Kilometers

0 1 2 3 4 5 Nautical Miles

**ELEVATIONS IN METERS**  
CONTOUR INTERVAL 10 METERS

MEAN LOW WATER  
SPRINGS

1000 METER UTM ZONE 18 (BLACK NUMBERED TICKS)  
1000 METER UTM ZONE 17 (BLUE NUMBERED TICKS)

PROJECTION TRANSVERSE MERCATOR  
VERTICAL DATUM SEA LEVEL DATUM 1929  
HORIZONTAL DATUM TRANSVERSE MERCATOR  
USGS AND USCGS

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GRID CONVERGENCE  
1973 29 METERS  
FOR CENTER OF SHEET

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**ELEVATION GUIDE**

**BOUNDARIES**

**ADJOINING SHEETS**

5453 II	5453 III	5453 I
5452 I	5452 IV	5452 I
5452 II	5452 III	

FOR SALE BY U. S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 20192

**THIS MAP IS RED-LIGHT READABLE**

USERS SHOULD REFER TO CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NGA ENTERPRISE SERVICE DESK 1-800-468-9888 COMMERCIAL 301-227-8011; UNCLASSIFIED EMAIL: ENTERPRISESERVICECENTER@NSA.MIL; ATTN: ESC; MAIL STOP D-240, 4600 SANGAMORE ROAD, BETHESDA, MD 20814-5000