

**HYDROGRAPHIC DATUM** ..... MEAN LOWER LOW WATER

Depth curve (meters)	.....
Fathens (feet)	.....
Rocks exposed: Reef	.....
Wreck: Exposed, Sunken with masts exposed	.....
Wharf, pier	.....
Seawall	.....
Dredge rig	.....

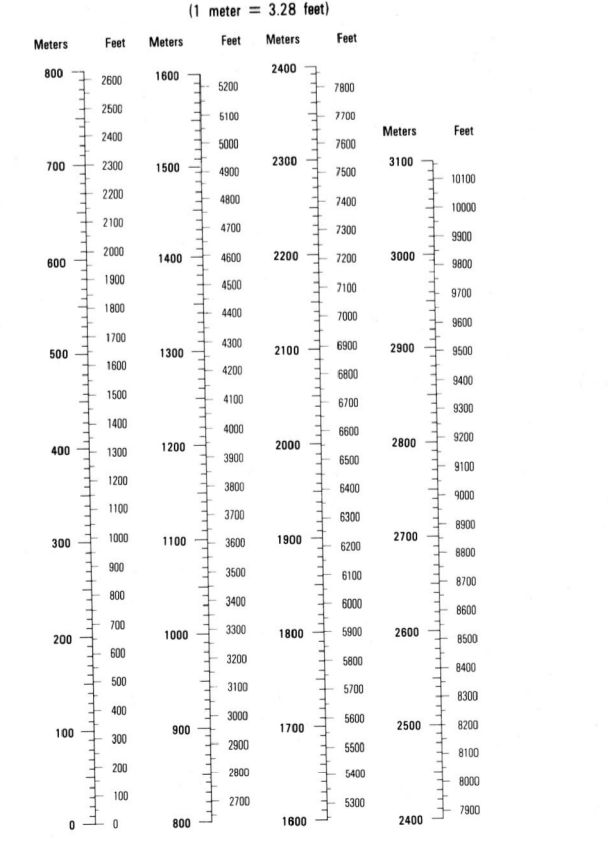


Prepared by the U.S. Geological Survey for publication by the Defense Mapping Agency Hydrographic/Topographic Center, Washington, D.C.  
MAP INFORMATION AS OF 1983

**LEGEND**

<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</li> </ul> <p><b>RAILROADS</b> (Standard gauge 1.44m - 4'8 1/2")</p> <ul style="list-style-type: none"> <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</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: School</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>Natural/artificial station</li> <li>Bench mark: monument</li> <li>Bench mark: non-monumented</li> <li>Spot elevations in meters</li> <li>Leaves, rims, dikes</li> <li>Bluffs, cliffs</li> <li>Woodland</li> <li>Scattered trees: Scrub</li> <li>Viwayard: Orchard, plantation</li> <li>Intervent: Dam: Earthen, Masonry</li> <li>Stream: Perennial, intermittent</li> <li>Marsh, swamp</li> <li>Small falls: Large falls</li> <li>Small rapids: Large rapids</li> </ul>
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**CONVERSION GRAPH**



**ELEVATIONS IN METERS**

**CONTOUR INTERVAL 40 METERS**

**SPHEROID** ..... GEODETIC REFERENCE SYSTEM 80  
**GRID** ..... 1,000-METER UTM ZONE 4 (BLACK NUMBERED LINES)  
 5,000-METER STATE GRID TICS (BLUE NUMBERED TICKS)  
 TRANSVERSE MEASUREMENT

**PROJECTION** ..... UTM  
**VERTICAL DATUM** ..... MEAN SEA LEVEL  
**HORIZONTAL DATUM** ..... NORTH AMERICAN DATUM 1983  
**CONTROL BY** ..... USGS AND MOSINGDA  
**PREPARED BY** ..... U.S. GEOLOGICAL SURVEY

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 OR RESTON, VIRGINIA 22092

**SAMPLE 1,000 METER GRID SQUARE**

100,000 M. SQUARE IDENTIFICATION

GRID ZONE DESIGNATION

4Q

**100 METER REFERENCE**

1. Road large numbers labeling the VERTICAL grid line left of point and estimate tenths (100 meters from grid line to point) 12.3

2. Road 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 across a 100,000 METER LINE, PREFIX THE 100,000 METER SQUARE IDENTIFICATION WITH THE POINT LINE.

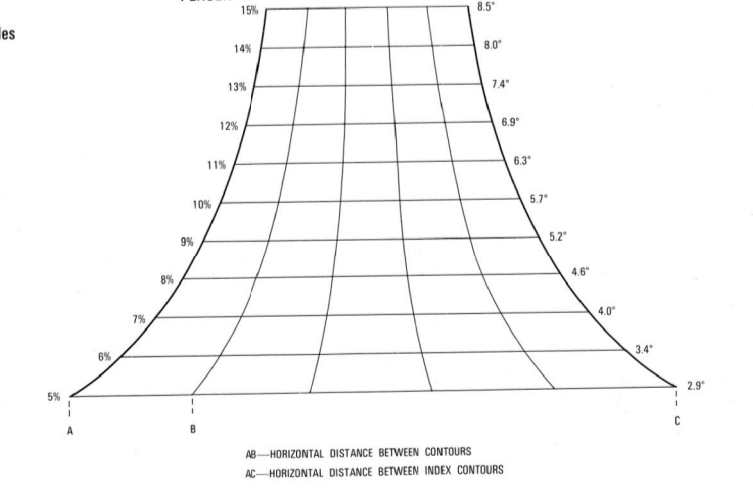
Example: GH123456

When reporting OUTSIDE the GRID ZONE DESIGNATION AREA, PREFIX THE GRID ZONE DESIGNATION.

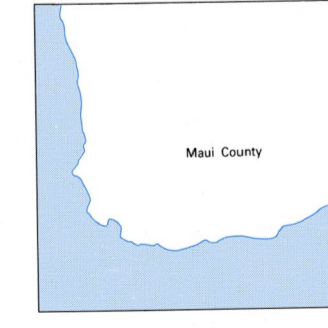
Example: 4QGH123456

USERS SHOULD REFER TO CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NGA ENTERPRISE SERVICE DESK: 1-800-450-0899; COMMERCIAL: 301-221-9811; DSN: 203-9811; UNCLASSIFIED EMAIL: ENTERPRISE@CENSOCS.DODIG.MIL; SUPPORT: EDC@CENSOCS.DODIG.MIL; OR WRITE TO: DIRECTOR, NATIONAL GEOSPATIAL INTELLIGENCE AGENCY, ATTN: ESC, MAIL STOP D-240, 4600 SANGAREE ROAD, BETHESDA, MD 20816-5003.

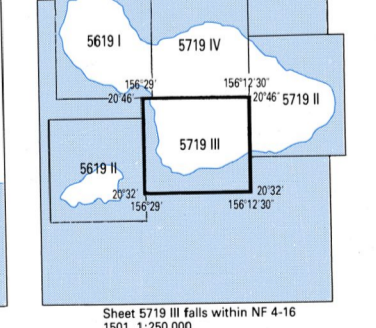
**SLOPE GUIDE**



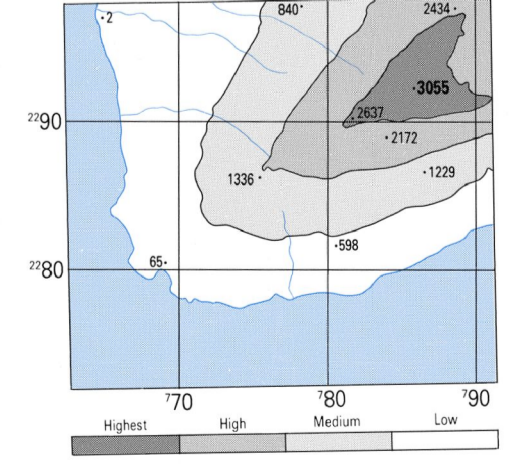
**BOUNDARIES**



**ADJOINING SHEETS**



**ELEVATION GUIDE**



THIS MAP IS RED-LIGHT READABLE

NSN 7643014016376  
 W733X57193