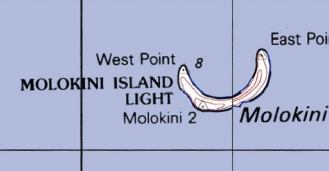




HYDROGRAPHIC DATUM MEAN LOWER LOW WATER

- Depth curve (meters)
- Pressure gage
- Rocks awash: Reef
- Wharf: Exposed: Sunk with masts exposed
- Wharf: pier
- Sewer
- Dredging



KEALAIKAHIKI CHANNEL

ALALAKEIKI CHANNEL

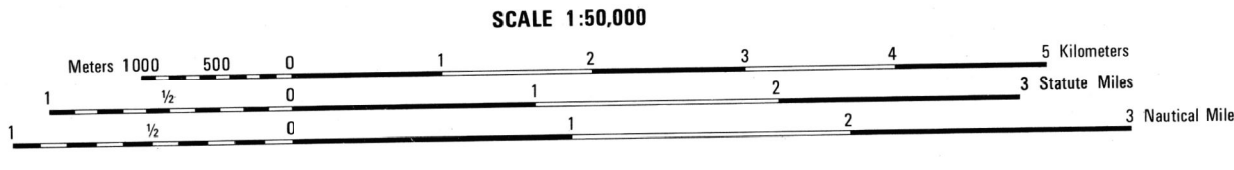
CHANNEL

Prepared by the U.S. Geological Survey for publication by the Defense Mapping Agency Hydrographic/Topographic Center, Washington, D.C.
MAP INFORMATION AS OF 1982

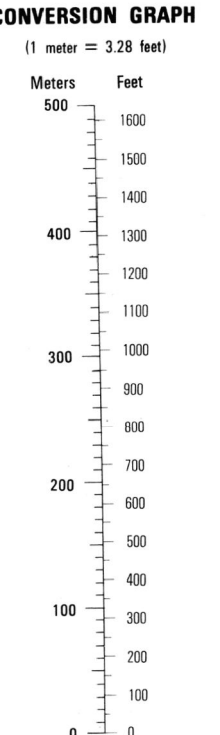
LEGEND

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

ROADS	Power transmission line
Divided highway with median strip	Buildings
Primary, all weather, hard surface	Shorelines
Secondary, all weather, hard surface	Church, School
Light duty, all weather, hard or improved surface	Power substation
Fair or dry weather, unimproved surface	Windmill, Watermill
Trail	Well, Tank
Route markers: Interstate, Federal, State	Mine shaft
Bridge	Open pit mine or quarry
RAILROADS (Standard gauge 1.44m - 4' 9 1/4")	Horizontal control station
Single track	Bench mark, monumented
Multiple track	Bench mark, non-monumented
Nonoperating	Spot elevations in meters
Railroad station: Location known; Location unknown	Leaves, rims, dikes
Car line	Bluffs, cliffs
Railroad bridge	Woodland
Tunnel: Highway, Railroad	Scattered trees; Scrub
BOUNDARIES	Vineyard; Orchard; plantation
National, with monument	Intermittent lake; Dam; Earths; Masonry
State, territory	Stream; Perennial; Intermittent
County, parish	Marsh, swamp
Civil township, town	Small falls; Large falls
Incorporated city, village, town	Small rapids; Large rapids
Reservation: National; State; Military	



ELEVATIONS IN METERS
CONTOUR INTERVAL 20 METERS



SPHEROID: GEODETIC REFERENCE SYSTEM 80
GRD: 5000-METER UTM ZONE 4 (BLACK-NUMBERED LINES)
5000-METER STATE GRID TICS, HAWAII (ZONE 2)
PROJECTION: TRANSVERSE MERCATOR
VERTICAL DATUM: MEAN SEA LEVEL
HORIZONTAL DATUM: NORTH AMERICAN DATUM 1983
CONTR'Y: USGS AND HONOLULU
PREPARED BY: U.S. GEOLOGICAL SURVEY
PUBLISHED BY: DMAHC/8/88

Reprinted by NIIMA (8-01)
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225
OR RESTON, VIRGINIA 22092

SAMPLE 1000 METER GRID SQUARE	
40	40
12	13
45	45
GRID ZONE DESIGNATION: 4Q	

100,000 M. SQUARE IDENTIFICATION

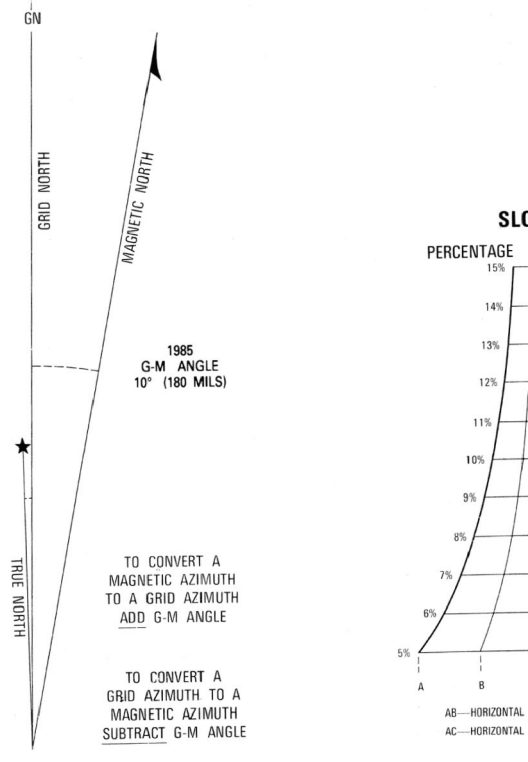
100 METER REFERENCE

- Read large numbers labeling the VERTICAL grid line left of point and estimate tenths (100 meters) from grid line to point: 12.3
- Read large numbers labeling the HORIZONTAL grid line below point and estimate tenths (100 meters) from grid line to point: 45.6

Example: 123456
Example: 456789
Example: 123456

WHEN REPORTING ACROSS A 100,000 METER LINE, PREFIX THE 100,000 METER SQUARE IDENTIFICATION IN WHICH THE POINT LIES.
Example: 4Q123456

WHEN REPORTING ACROSS THE GRID ZONE DESIGNATION AREA, PREFIX THE GRID ZONE DESIGNATION.
Example: 4Q123456



BOUNDARIES

ADJOINING SHEETS

ELEVATION GUIDE

USGS 2016-D4-TM-050
THIS MAP IS RED-LIGHT READABLE