HAWAII 1:50,000

MAUNA LOA

EDITION 1–DMA SERIES W733 SHEET 5816 I

One second of longitude equals 29.14m

20 km TO HAWAII 200

495 000 METERS

85000 METERS

HAMAKUA DISTRICT
NORTH KONA DISTRICT

HAMAKUA DISTRICT
NORTH HILO DISTRICT

BOBCAT TRAIL

4WD (4WD)

POHAKULOA TRAINING AREA

Kokoolau 2453

LAVA CHANNEL

MAUNA LOA MILITARY RESERVATION

FOREST RESERVE BOUNDARY

CREVICE Kaohe △ 2837

CREVICES

CREVICE

Observatory

LAVA

CREVICE

Pukauahi

Rift Zone

Dewey Cone

BM 3354.9

BM 3415.9

Northeast TRAIL

Steaming Cone

MAUNA LOA Waterhole

NORTH HILO DISTRICT
KAU DISTRICT

Pohaku Hanalei

Kea Poomoku

Lua Ioape (PACK)

TRAIL

BM 3972.2

CREVICES

Jaggars Cave (Shelter)

BM 3922.8

Waterhole

North Pit

NORTH SUMMIT PIT TRAIL

BM 4075.5

Lua Poholo

Waterholes

BM 4160.8

BM 4169.4

HAWAII VOLCANOES NATIONAL PARK

MAUNA LOA BOUNDARY

INDEFINITE

Mokuaweoweo

CREVICE

MAUNA LOA TRAIL

Cabin

CREVICES

Waterhole

CREVICE 1940 Cone

1949 Cone

South Pit

AINAPO TRAIL

CREVICES

Waterholes

Puu Eleele

INDEFINITE BOUNDARY

Lua Hohonu

LAVA

Pohaku Hanalei

Lua Hou

CHANNELS

LAVA CHANNEL

CREVICE

Rift Zone

LAVA CHANNEL

FOREST RESERVE

AINAPO TRAIL

Anipeahi

BM 2968.7

COOK WALL

Puu o Uo 2693

LAVA CHANNEL

LAVA CHANNEL

LAVA CHANNEL

Kohalapilau

NORTH KONA DISTRICT
KAU DISTRICT

BM 2279.0

CREVICE

LAVA CHANNEL

CREVICE

LAVA CHANNEL

OLD HAWAIIAN TRAIL

Sleeping Cave

Southwest Rift Zone

Sulphur Cone

Red Cone

CREVICE

60 000 METERS

475 000 METERS

One second of longitude equals 29.18m

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 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.

ROADS
- 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
- Route markers: Interstate; Federal; State
- Bridge

RAILROADS (Standard gauge 1.44m. – 4'8½")
- Single track
- Multiple track (3 TRACKS)
- Nonoperating
- Railroad station: Location known; Location unknown
- Car line
- Railroad bridge
- Tunnel: Highway; Railroad

BOUNDARIES
- National, with monument
- State, territory
- County, parish
- Civil township, town
- Incorporated city, village, town
- Reservation: National; State; Military (MIL. RES.)

GRATICULE AND GRIDS BASED ON NORTH AMERICAN DATUM 1983; SHEET CORNERS ESTABLISHED ON OLD HAWAIIAN DATUM (OHD). THE DIFFERENCE IN POSITION OF THE GRATICULE BETWEEN NAD 83 AND OHD IS APPROXIMATELY 346 METERS IN LATITUDE AND 288 METERS IN LONGITUDE. THE RELATIONSHIP BETWEEN NAD 83 AND OHD MAY BE DETERMINED BY COMPARING THE NAD 83 VALUES FOR SHEET CORNERS WITH CORRESPONDING OHD VALUES SHOWN IN THE INDEX TO ADJOINING SHEETS DIAGRAM.
- Power transmission line
- Buildings
- Structures
- Church; School
- Power substation
- Windmill; Watermill
- Well; Tank
- Mine shaft
- Open pit mine or quarry
- Horizontal control station
- Bench mark, monumented (BM × 219.2)
- Bench mark, non-monumented (× 143.9)
- Spot elevations in meters (• 144)
- Levees, rims, dikes
- Bluffs, cliffs
- Woodland
- Scattered trees; Scrub
- Vineyard; Orchard, plantation
- Intermittent lake; Dam: Earthen; Masonry
- Stream: Perennial; Intermittent
- Marsh, swamp
- Small falls; Large falls (Falls)
- Small rapids; Large rapids (Rapids)

MAUNA LOA, HAWAII 5816 I W733 EDITION 1–DMA

SCALE 1:50,000

Meters 1000 500 0 1 2 3 4 5 Kilometers
1 ½ 0 1 2 3 Statute Miles
1 ½ 0 1 2 3 Nautical Miles

ELEVATIONS IN METERS

CONTOUR INTERVAL 40 METERS

SPHEROID	GEODETIC REFERENCE SYSTEM 80
GRID	1,000-METER UTM ZONE 5 (BLACK NUMBERED LINES)
	1,000-METER UTM ZONE 4 (BLUE NUMBERED TICKS)
	5,000-METER STATE GRID TICKS, HAWAII (ZONE 1)
PROJECTION	TRANSVERSE MERCATOR
VERTICAL DATUM	MEAN SEA LEVEL
HORIZONTAL DATUM	NORTH AMERICAN DATUM 1983
CONTROL BY	USGS AND NOS/NOAA
PREPARED BY	U.S. GEOLOGICAL SURVEY
PUBLISHED BY	DMAHTC 6-88

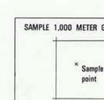
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225 OR RESTON, VIRGINIA 22092

CONVERSION GRAPH

(1 meter = 3.28 feet)

Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet
2300	7500	3000	9800	3700	12100	4200	13700
	7400		9700		12000		13600
	7300		9600		11900		13500
2200	7200	2900	9500	3600	11800	4100	13400
	7100		9400		11700		13300
	7000		9300		11600		13200
2100	6900	2800	9200	3500	11500	4000	13100
	6800		9100		11400		13000
	6700		9000		11300		12900
2000	6600	2700	8900	3400	11200	3900	12800
	6500		8800		11100		12700
	6400		8700		11000		12600
1900	6300	2600	8600	3300	10900	3800	12500
	6200		8500		10800		12400
	6100		8400		10700		12300
1800	6000	2500	8300	3200	10600	3700	12200
	5900		8200		10500		
	5800		8100		10400		
1700	5700	2400	8000	3100	10300		
	5600		7900		10200		
	5500		7800		10100		
1600	5400	2300	7700	3000	10000		
	5300		7600		9900		

SAMPLE 1,000 METER GRID SQUARE



100,000 M. SQUARE IDENTIFICATION

KB

GRID ZONE DESIGNATION

5Q

100 METER REFERENCE

1. Read large numbers labeling the VERTICAL grid line left of point and estimate tenths (100 meters) from grid line to point. 12 3
2. Read 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 WHICH THE POINT LIES.

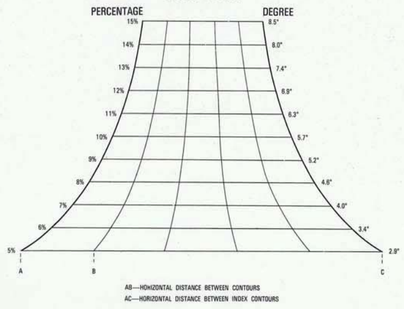
Example: KB123456

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

Example: 5QKB123456

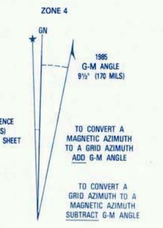
USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS FOR IMPROVING THIS PRODUCT TO: DIRECTOR, DEFENSE MAPPING AGENCY HYDROGRAPHIC/TOPOGRAPHIC CENTER, ATTN: PR, WASHINGTON, D.C. 20315-0030.

SLOPE GUIDE



AB—HORIZONTAL DISTANCE BETWEEN CONTOURS
AC—HORIZONTAL DISTANCE BETWEEN INDEX CONTOURS

ZONE 4

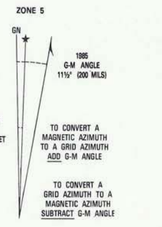


GRID CONVERGENCE 1°08' (20 MILS) FOR CENTER OF SHEET

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

ZONE 5



GRID CONVERGENCE 0°53' (15½ MILS) FOR CENTER OF SHEET

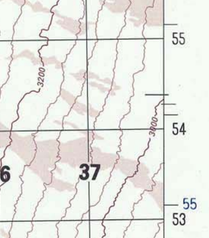
TO CONVERT A MAGNETIC AZIMUTH TO A GRID AZIMUTH ADD G-M ANGLE

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

BOUNDARIES

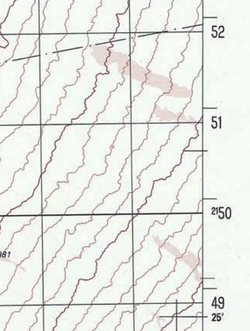
Hawaii County

ADJOINING SHEETS



Sheet 5816 I falls within NE 5-1,5 1501, 1:250,000

ELEVATION GUIDE



THIS MAP IS RED-LIGHT READABLE

USGS 19155-D5-TM-050
DMA STOCK NO. W733X58161