HAWAII 1:50,000

MAUNA KEA

EDITION 1–DMA SERIES W733 SHEET 5917 III

One second of longitude equals 29.09m

525 000 METERS

155° 29′ 50.11″ 19°52′18.81″ — 155°14′50.11″ 19°52′18.81″

110 000 METERS

90 000 METERS

505 000 METERS

MAUNA LOA OBSERVATORY 28 km

19°37′18.71″ — 155°29′50.11″ — 155°14′50.11″ 19°37′18.71″

One second of latitude equals 30.75m

One second of longitude equals 29.14m

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

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

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 327 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
- Small rapids; Large rapids

CONVERSION GRAPH

(1 meter = 3.28 feet)

Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet
1600	5200	2300	7500	3000	9800	3700	12100	4300	14100
1500	4900	2200	7200	2900	9500	3600	11800	4200	13800
1400	4600	2100	6900	2800	9200	3500	11500	4100	13500
1300	4300	2000	6600	2700	8900	3400	11200	4000	13100
1200	4000	1900	6300	2600	8600	3300	10900	3900	12800
1100	3600	1800	5900	2500	8200	3200	10500	3800	12400
1000	3300	1700	5600	2400	7900	3100	10200	3800	12400
900	3000	1600	5300	2300	7600	3000	9800	3700	12200

ELEVATIONS IN METERS

CONTOUR INTERVAL 40 METERS

SPHEROID ..... GEODETIC REFERENCE SYSTEM 80
GRID ..... 1,000-METER UTM ZONE 5 (BLACK NUMBERED LINES)
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

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

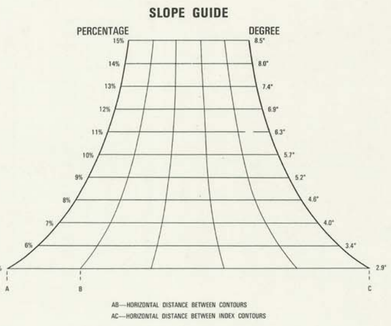
WHEN REPORTING ACROSS THE GRID ZONE DESIGNATION AREA, PREFIX THE GRID ZONE DESIGNATION.

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.

GRID CONVERGENCE 0°48′ (14 MILS) FOR CENTER OF SHEET

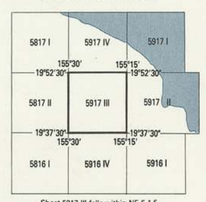
SLOPE GUIDE



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

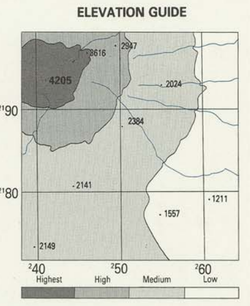
BOUNDARIES

ADJOINING SHEETS



Sheet 5917 III falls within NE 5-1,5 1501, 1:250,000

ELEVATION GUIDE



THIS MAP IS RED-LIGHT READABLE

USGS 19155-F3-TM-050
DMA STOCK NO. W733X59173

MAUNA KEA, HAWAII 5917 III W733 EDITION 1–DMA