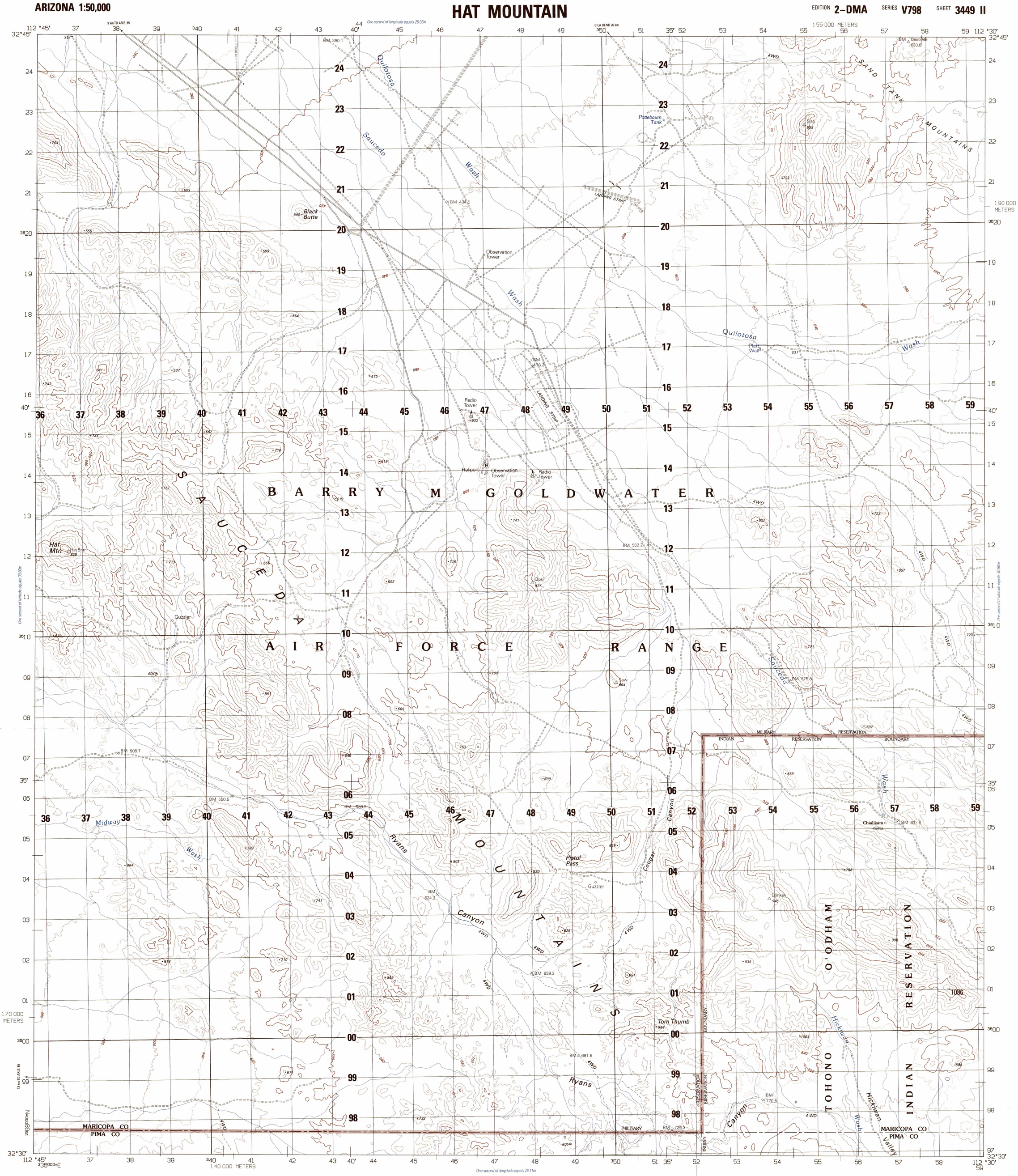
ARIZONA 1:50,000

HAT MOUNTAIN

EDITION 2–DMA SERIES V798 SHEET 3449 II



Prepared by the U.S. Geological Survey for publication by the Defense Mapping Agency Hydrographic/Topographic Center, Bethesda, MD

MAP INFORMATION AS OF 1992

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)

- 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 (None)
- Scattered trees; Scrub (None / None)
- Vineyard; Orchard, plantation (None / None)
- Intermittent lake; Dam: Earthen; Masonry
- Stream: Perennial; Intermittent
- Marsh, swamp
- Small falls; Large falls
- Small rapids; Large rapids (Falls, Rapids)

CONVERSION GRAPH

(1 meter = 3.28 feet)

Meters	Feet	Meters	Feet
700	2300	1100	3600
	2200		3500
	2100		3400
	2000		3300
600	1900	1000	3200
	1800		3100
	1700		3000
500	1600	900	2900
	1500		2800
	1400		2700
400	1300	800	2600
	1200		2500
	1100		2400
300	1000	700	2300

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

SUPPLEMENTARY CONTOURS 20 METERS

ELLIPSOID ..... WORLD GEODETIC SYSTEM 1984
GEODETIC REFERENCE SYSTEM 1980
GRID ..... 1,000-METER UTM ZONE 12 (BLACK NUMBERED LINES)
5,000-METER STATE GRID TICKS, ARIZONA (CENTRAL ZONE)
PROJECTION ..... TRANSVERSE MERCATOR
VERTICAL DATUM ..... NATIONAL GEODETIC VERTICAL DATUM OF 1929
HORIZONTAL DATUM ..... NORTH AMERICAN DATUM 1983
WORLD GEODETIC SYSTEM 1984
CONTROL BY ..... USGS AND NOS/NOAA
PREPARED BY ..... U.S. GEOLOGICAL SURVEY

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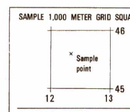
SAMPLE 1,000 METER GRID SQUARE



100,000 M. SQUARE IDENTIFICATION

UB / UA

GRID ZONE DESIGNATION

12S

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 8

Example: 123456

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

Example: UB123456

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

Example: 12SUB123456

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NGA OPERATIONAL HELP DESK: 1-800-455-0899; COMMERCIAL 314-263-4864; DSN 693-4864; OR WRITE TO: DIRECTOR, NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY, ATTN.: ES, MAIL STOP L-88, 4600 SANGAMORE ROAD, BETHESDA, MD 20816-5003.

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

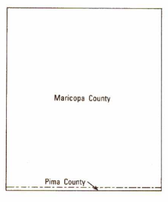
1995 G-M ANGLE 13½° (240 MILS)

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

THIS MAP IS RED-LIGHT READABLE

BOUNDARIES

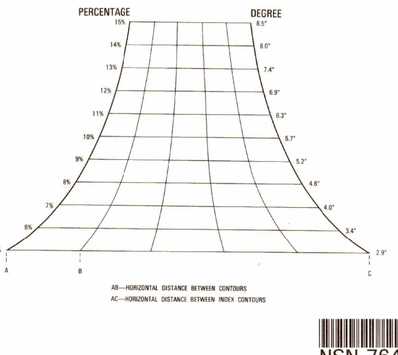


ADJOINING SHEETS

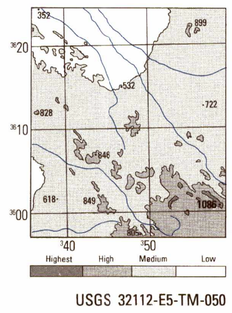
3449 IV	3449 I	3549 IV
3449 III	3449 II	3549 III
3448 IV	3448 I	3548 IV

Sheet 3449 II falls within NI 12-10 1501, 1:250,000

SLOPE GUIDE



ELEVATION GUIDE



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HAT MOUNTAIN, ARIZONA 3449 II V798 EDITION 2–DMA