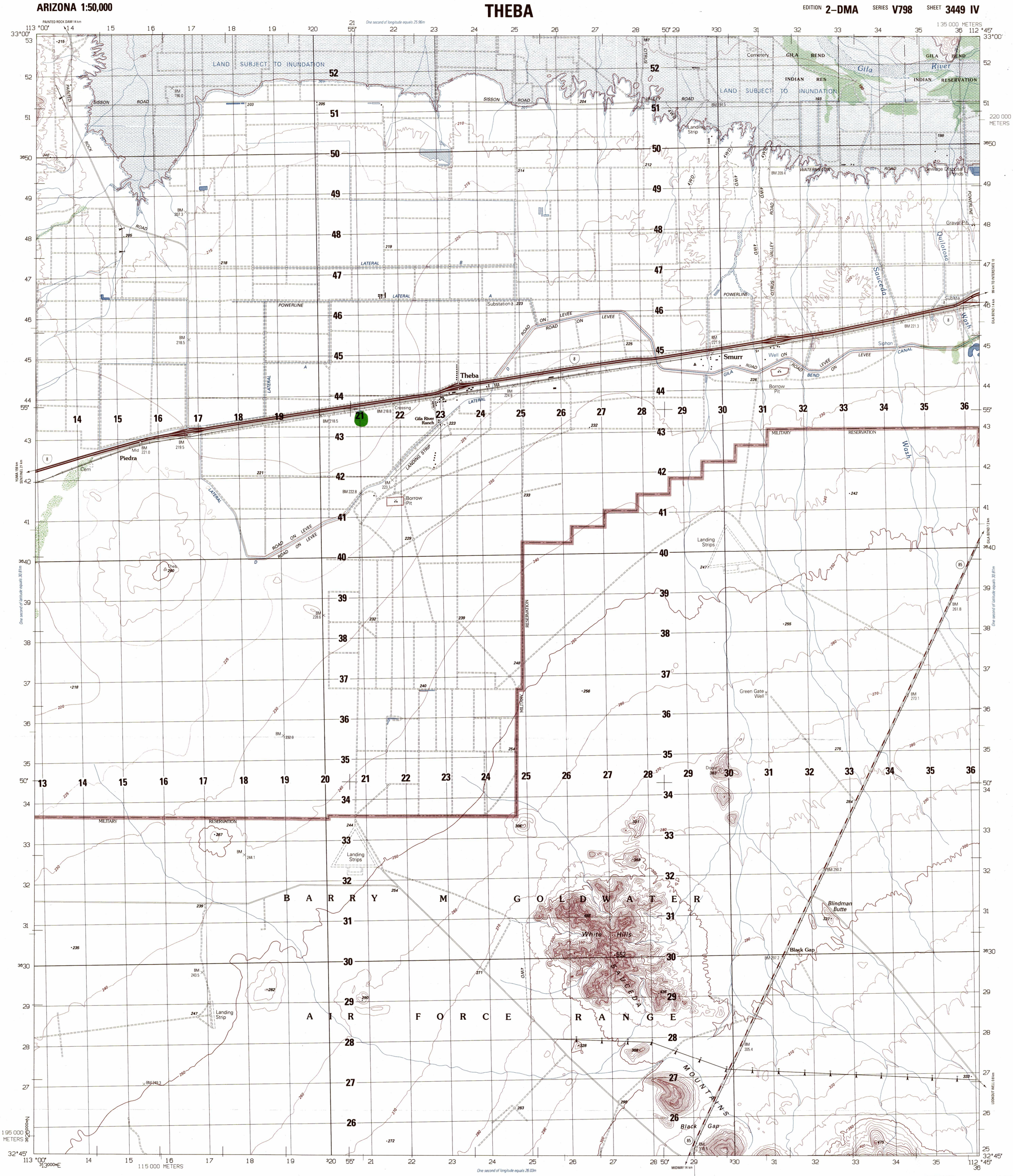
ARIZONA 1:50,000

THEBA

EDITION 2–DMA SERIES V798 SHEET 3449 IV



Prepared by the U.S. Geological Survey for publication by the Defense Mapping Agency

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
- 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)

CONVERSION GRAPH

(1 meter = 3.28 feet)

Meters: 600, 500, 400, 300, 200, 100
Feet: 1900, 1800, 1700, 1600, 1500, 1400, 1300, 1200, 1100, 1000, 900, 800, 700, 600, 500, 400

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 10 METERS
SUPPLEMENTARY CONTOURS 5 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: 46, 45, 12, 13, Sample point

100,000 M. SQUARE IDENTIFICATION: UB

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 6

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

GRID CONVERGENCE 1°31' (18 MILS) FOR CENTER OF SHEET

GN, TRUE NORTH, GRID NORTH, MAGNETIC NORTH

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

Maricopa County

ADJOINING SHEETS

3350 II	3450 III	3450 II
3349 I	3449 IV	3449 I
3349 II	3449 III	3449 II

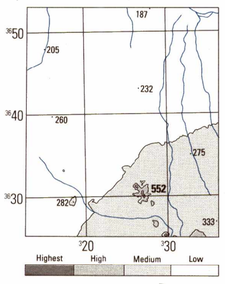
Sheet 3449 IV falls within NI 12-10 1501, 1:250,000

SLOPE GUIDE

PERCENTAGE: 15%, 14%, 13%, 12%, 11%, 10%, 9%, 8%, 7%, 6%, 5%
DEGREE: 8.5°, 8.0°, 7.4°, 6.9°, 6.3°, 5.7°, 5.2°, 4.6°, 4.0°, 3.4°, 2.9°
A B C

AB = HORIZONTAL DISTANCE BETWEEN CONTOURS
AC = HORIZONTAL DISTANCE BETWEEN INDEX CONTOURS

ELEVATION GUIDE



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