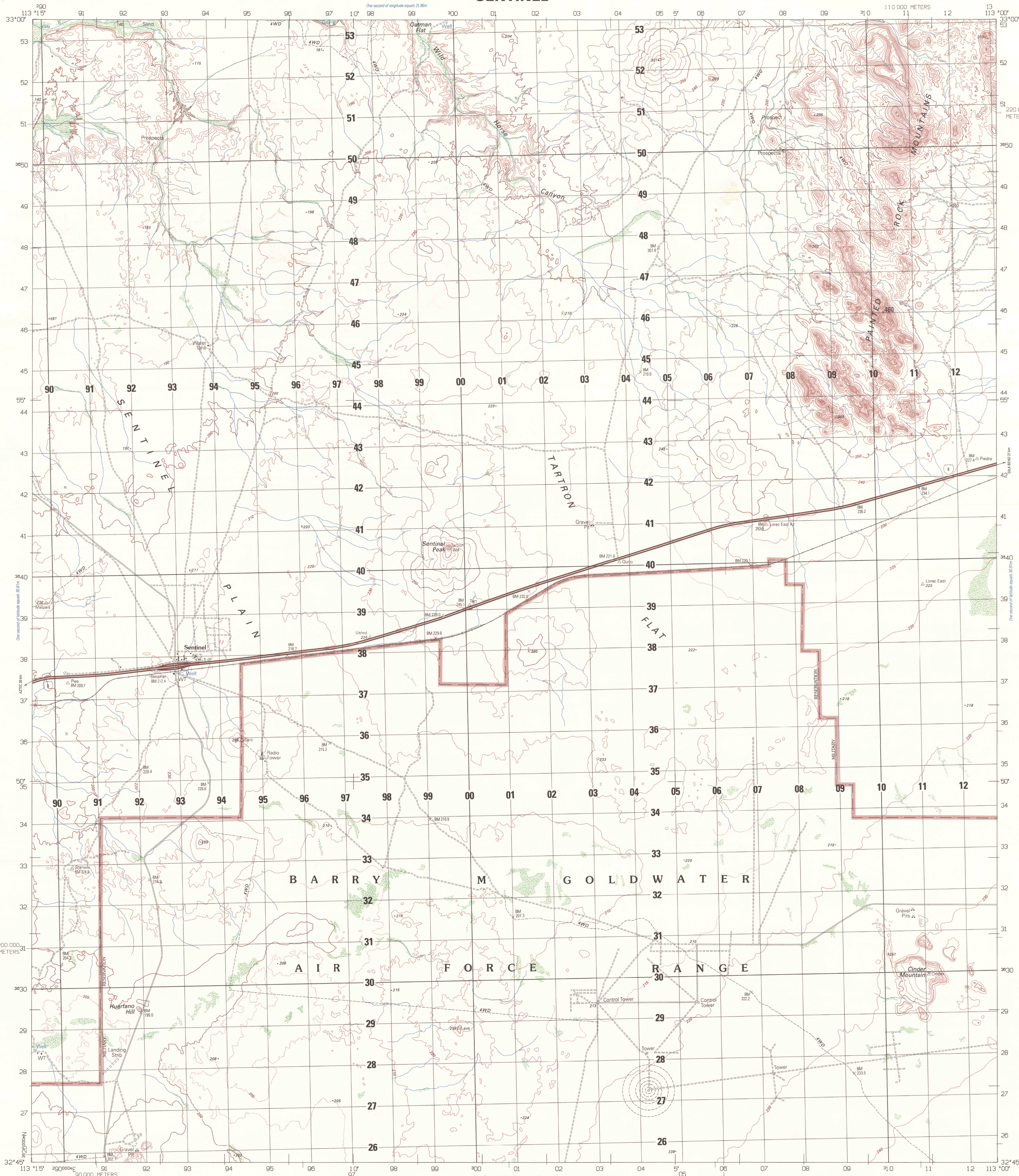




Prepared by the U.S. Geological Survey for publication by the Defense Mapping Agency Hydrographic/Topographic Center, Bethesda, MD
MAP INFORMATION AS OF 1982

LEGEND

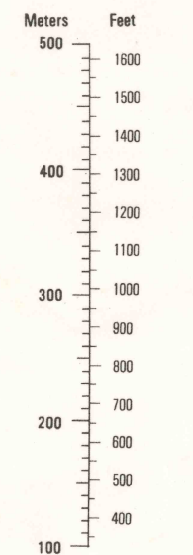
CAUTION: ALL TELEPHONE AND ELECTRIC SERVICE LINES ARE NOT SHOWN.
A LANE ON THIS MAP IS CONSIDERED TO BE 2.5 METERS WIDE.
IN DEVELOPED AREAS ONLY THROUGH ROADS ARE CLASSIFIED.
THERE MAY BE PRIVATE HOLDINGS WITHIN THE BOUNDARIES OF THE NATIONAL OR STATE RESERVATIONS SHOWN ON THIS MAP.

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, unpaved surface
Trail
Route markers: Interstate, Federal, State
Bridge
RAILROADS (Standard gauge 1.44m - 4'8 1/2")
Single track
Multiple track
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

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, monument
Bench mark, non-monumented
Spot elevations in meters
Lenses, rills, dikes
Bluffs, cliffs
Woodland
Scattered trees: Scrub
Vineyard, orchard, plantation
Intermittent lake: Dry; Earthen; Masonry
Stream: Perennial; Intermittent
Marsh, swamp
Small falls; Large falls
Small rapids; Large rapids

CONVERSION GRAPH

(1 meter = 3.28 feet)



ELEVATIONS IN METERS

CONTOUR INTERVAL 10 METERS

SUPPLEMENTARY CONTOURS 5 METERS

ELLIPTIC: WORLD GEODETIC SYSTEM 1984
GEODETIC REFERENCE SYSTEM 1980
GRID: 1,000-METER UTM ZONE 12 (BLACK NUMBERED LINES)
PROJECTION: 5,000-METER STATE GRID TICKS, ARIZONA (CENTRAL ZONE)
VERTICAL DATUM: NATIONAL GEODETIC DATUM OF 1929
HORIZONTAL DATUM: NORTH AMERICAN DATUM 1983
WORLD GEODETIC SYSTEM 1984
CONTROL BY: U.S. GEOLOGICAL SURVEY
PUBLISHED BY: DMAHTC 1-95
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225
OR RESTON, VIRGINIA 22092

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: 12S UB123456

THIS MAP IS RED-LIGHT READABLE

GRID CONVERGENCE
1°00' (20% MILES)
FOR CENTER OF SHEET

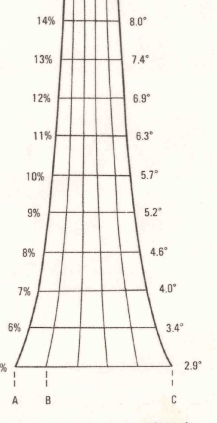
1985
G-M ANGLE
13°-6' (240 MILES)

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

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

SLOPE GUIDE

PERCENTAGE DEGREE



BOUNDARIES

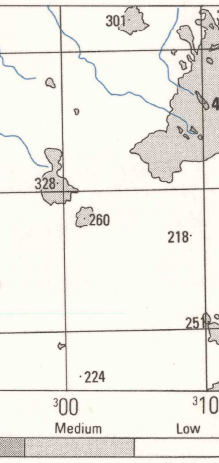
Maricopa County

ADJOINING SHEETS

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

Sheet 3349 I falls within N12-10
1991: 1:250,000

ELEVATION GUIDE



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