

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

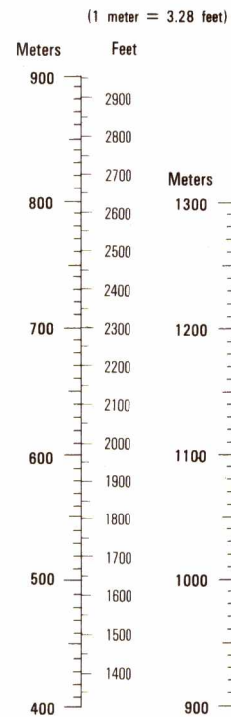
MAP INFORMATION AS OF 1992

LEGEND

CAUTION: ALL TELEPHONE AND ELECTRIC SERVICE LINES ARE NOT SHOWN.
 A LINE 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	Power transmission line
Divided highway with median strip	Buildings
Primary, all weather, hard surface	Structures
Secondary, all weather, hard surface	Church, School
Light duty, all weather, hard or improved surface	Power substation
Fair or dry weather, unpaved surface	Windmill, Watermill
Trail	Well, Tank
Route markers: Interstate, Federal, State	Mine shaft
Bridge	Open pit mine or quarry
RAILROADS (Standard gauge 1.44m - 4'8 1/2")	Horizontal control station
Single track	Bench mark, monumented BM X 219.2
Multiple track	Bench mark, non-monumented X 143.9
Nonoperating	Spot elevations in meters 144
Railroad station: Location known; Location unknown	Leaves, rims, dikes
Car line	Bluffs, cliffs
Railroad bridge	Woodland
Tunnel: Highway, Railroad	Scattered trees: Scrub
BOUNDARIES	Vineyard; Orchard, plantation
National, with monument	Intermittent lake: Dam; Epithermal; Masonry
State, territory	Stream: Perennial; Intermittent
County, parish	Marsh, swamp
Civil township, town	Small falls; Large falls
Incorporated city, village, town	Small rapids; Large rapids
Reservation: National, State, Military	

CONVERSION GRAPH



ELEVATIONS IN METERS

CONTOUR INTERVAL 20 METERS

ELLIPSOID: WORLD GEODETIC SYSTEM 1984
 GRID: 1,000-METER UTM ZONE 12 (BLACK NUMBERED LINES)
 PROJECTION: TRANSVERSE MERCATOR
 VERTICAL DATUM: NORTH AMERICAN DATUM 1983
 HORIZONTAL DATUM: WORLD GEODETIC SYSTEM 1984
 CONTROL BY: U.S. AND MEXICANA
 PREPARED BY: U.S. GEOLOGICAL SURVEY

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Reprinted by NGA-03-96

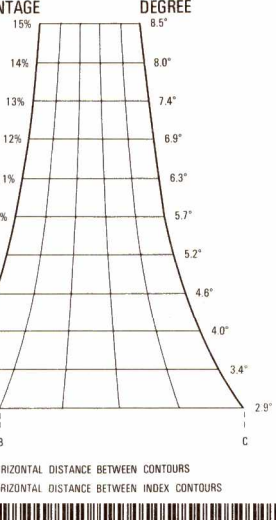
TO CONVERT A GRID AZIMUTH TO A MAGNETIC AZIMUTH
 SUBTRACT G.M. ANGLE

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

THIS MAP IS RED-LIGHT READABLE

BOUNDARIES	ADJOINING SHEETS
Pima County	3448 III, 3449 III, 3549 III 3448 IV, 3448 I, 3548 IV 3448 III, 3448 II, 3548 III

SLOPE GUIDE



ELEVATION GUIDE

