



ELEVATIONS IN METERS
CONTOUR INTERVAL 40 METERS
VERTICAL DATUM: SEA LEVEL DATUM OF 1929
TRANSVERSE MERCATOR PROJECTION
HORIZONTAL DATUM: 1927 NORTH AMERICAN DATUM
BLACK NUMBERED LINES INDICATE THE 1 000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 12

GRID DECLINATION FROM TRUE NORTH AT CENTER OF SHEET FOR UTM GRID, ZONE 12, IS 0°04' (OR 1 MIL) TO THE EAST
THE LAST THREE DIGITS OF THE GRID NUMBERS ARE OMITTED

GRID ZONE DESIGNATION: 12R
TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 100 METERS
GRID ZONE IDENTIFICATION: WL 3500 WK 500
1. Read letters identifying 100,000 meter square in which the point lies.
2. Locate first VERTICAL grid line to LEFT of point and read LARGE figure labeling the line either in the top or bottom margin, or in the line itself.
3. Locate first HORIZONTAL grid line BELOW point and read LARGE figure labeling the line either in the left or right margin, or on the line itself.
Estimate tenths from grid line to point.
Example: 3485000
If reporting beyond 10' in any direction, prefix Grid Zone Designation, as: 12RW03000

TO CONVERT A MAGNETIC AZIMUTH TO A GRID AZIMUTH TO A MAGNETIC AZIMUTH
ADD G-M ANGLE
TO CONVERT A GRID AZIMUTH TO A MAGNETIC AZIMUTH
SUBTRACT G-M ANGLE
PREDICTED G-M ANGLE
YEAR DEGREES MINUTES MILS
1960 12°41' 225
1961 12°39' 226
1962 12°35' 224
1963 12°29' 223
1964 12°22' 222
1965 12°16' 221
1966 12°09' 220
1967 12°02' 219
1968 12°17' 218
1969 12°14' 217

LEGEND
ROAD DATA 1958
In developed areas, only through roads are classified
Hard surface, heavy duty road, four or more lanes wide
Hard surface, heavy duty road: two lanes wide; three lanes wide
Hard surface, medium duty road, four or more lanes wide
Hard surface, medium duty road: two lanes wide; three lanes wide
Buildings
Barricade, shanty, greenhouse, stadium, etc.
RAILROADS
Standard gauge
Narrow gauge
In street
Carriageway
BOUNDARIES
National
State (with monument)
County
County subdivision
Corporate limits
Military reservation
Other reservation
Improved light duty road, street
Unimproved dirt road
Trail
Barricade
Mines: Open pit
Horizontal shaft; Vertical shaft; Prospect
Bench mark, monumented
Bench mark, non monumented
Spot elevations in meters: Checked; unchecked
Light, lighthouse; Windmill, windpump
Woods or brushwood
Sandy; Orchard
Intermittent lake
Intermittent stream; Dam
Marsh or swamp
Rapid; Falls
Large rapids; Large falls

V798
Edition 3-AMS
Prepared by the Army Map Service (IGI), Corps of Engineers, U. S. Army, Washington, D. C. Copied in 1960 from Arizona, 1:62,500, USGS, Mount Wrightson, 1958. Original map compiled by U. S. Geological Survey. Topography by photogrammetric methods from aerial photographs taken 1955. Horizontal and vertical control by USGS and USCGS. This map complies with the national standard map accuracy requirements. Map field checked, 1958. Scale changed, Universal Transverse Mercator Grid added, and marginal data revised, 1960.

INDEX TO BOUNDARIES
INDEX TO ADJOINING SHEETS
A. Pima County
B. Santa Cruz County
Sheet 3847 III falls within N 12-2, V 502, 1:250,000

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA CUSTOMER HELP DESK: 1-800-455-0899; COMMERCIAL 314-260-5032; DSN 490-5032; OR WRITE TO DIRECTOR, NATIONAL MAPPING AND MAPPING AGENCY, ATTN: COD, MAIL STOP P-37, 4600 SANGAMORE ROAD, BETHESDA, MD 20818-5003.
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225 OR RESTON, VIRGINIA 22092
METRIC CONVERSION OF CONTOURS AND ELEVATIONS 1979
THIS MAP IS RED-LIGHT READABLE

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