

Prepared by the U.S. Geological Survey for Publication by the National Imagery and Mapping Agency



MAP INFORMATION AS OF 1996

LEGEND

POPULATED PLACES
 - Densely built-up areas
 - Sparingly to moderately built-up areas
ROADS
 - Divided highway
 - All weather, hard surface
 - Two or more lanes wide
 - One lane wide
 - All weather, loose or light surface
 - Two or more lanes wide
 - One lane wide
RAILROADS
 - Normal gauge 1.44m (4'8 1/2")
 - Narrow gauge 0.91m (2'11")
BRIDGES
 - Pedestrian
 - Standard
 - Culvert
MISCELLANEOUS CULTURAL FEATURES
 - Building: School, Hospital
 - Cemetery
 - Located object: Tank, Well
 - Mine: Active, Abandoned
 - Area name: Gu Oidak

OBSTRUCTIONS
 - Elevation of obstruction top above sea level
 - Elevation of obstruction top above ground level
 - High tension power line, communication tower
BOUNDARIES
 - International
 - First-order administrative division
RELIEF
 - Bluff, cliff, escarpment
 - Depression
 - Levee: Sand
 - Spot elevations: Highest, Normal
DRAINAGE
 - Streams: Less than 25m wide, Over 25m wide
 - Lake/pond
 - Spring
 - Well
 - Ditch
 - Less than 25m wide, Over 25m wide
 - Tank
 - Disappearing stream
 - Land subject to inundation
VEGETATION
 - Woodland
 - Scrub: Scattered trees
 - Orchard: Viewed

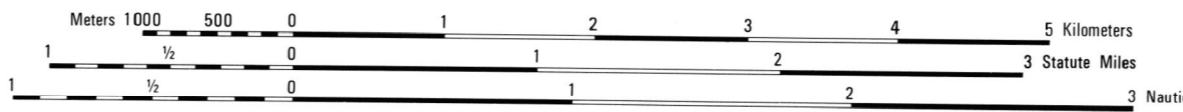
NOTES

A LANE ON THIS MAP IS CONSIDERED TO BE AT LEAST 2.5 METERS (8 FEET) WIDE. ROAD CLASSIFICATION SHOULD BE REFERRED TO WITH CAUTION.

IN DEVELOPED AREAS ONLY THROUGH ROADS ARE CLASSIFIED.

CAUTION: NOT ALL TELEPHONE AND ELECTRIC SERVICE LINES ARE SHOWN.

NORTH AMERICAN DATUM 1983 (NAD 83) AND WORLD GEODETIC SYSTEM 1984 (WGS 84) ARE EQUIVALENT FOR MAPPING, CHARTING AND NAVIGATION AT THIS SCALE.

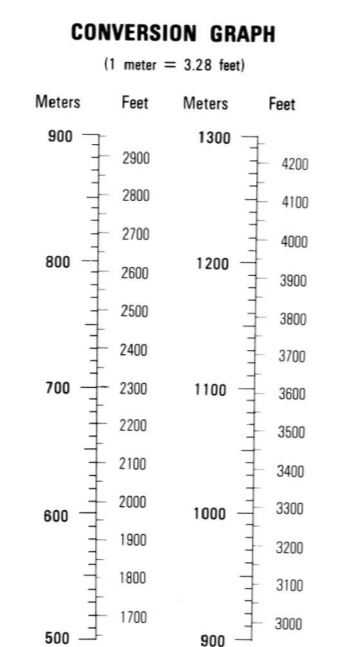


ELEVATIONS IN METERS

CONTOUR INTERVAL 20 METERS

SUPPLEMENTARY CONTOURS 10 METERS

ELLIPSOID: 1984 METER UTM ZONE 12 (BLACK NUMBERED LINES)
 GRID: 5,000-METER STATE GRID TICS, ARIZONA (CENTRAL ZONE)
 PROJECTION: TRANSVERSE MERCATOR
 VERTICAL DATUM: NATIONAL GEODETIC DATUM OF 1929
 HORIZONTAL DATUM: NORTH AMERICAN DATUM 1983/WORLD GEODETIC SYSTEM 1984
 PREPARED BY: U.S. GEOLOGICAL SURVEY
 PRINTED BY: NIMA, 4-90



SAMPLE 1,000 METER GRID SQUARE

12 13 45

100 METER REFERENCE

- Read large numbers labeling the VERTICAL grid line left of point and estimate tenths (100 meters) from grid line to point. 12.3
- Read large numbers labeling the HORIZONTAL grid line below point and estimate tenths (100 meters) from grid line to point. 45.6
- Example: 123456

100,000 M. SQUARE IDENTIFICATION

UJAUA
 30

GRID ZONE DESIGNATION

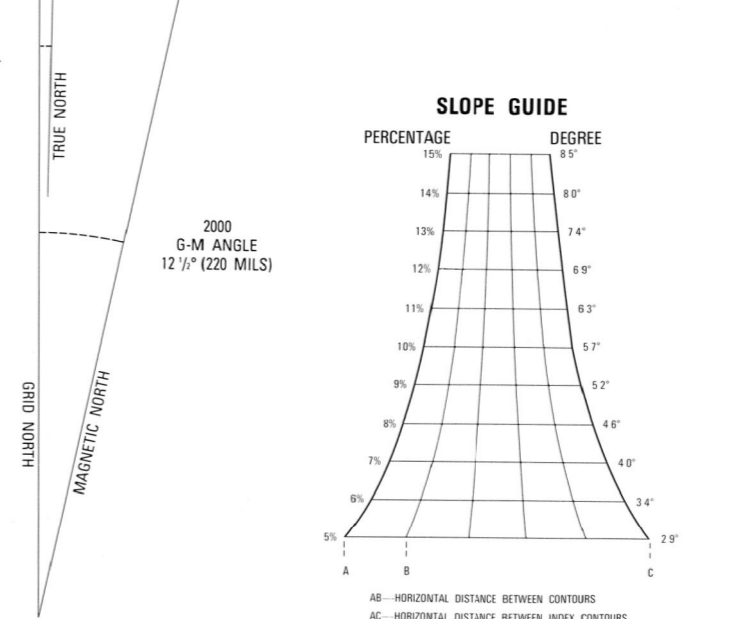
12R

TO CONVERT A MAGNETIC AZIMUTH TO A GRID AZIMUTH
 3' (200 MILES)
 3' (200 MILES)

TO CONVERT A GRID AZIMUTH TO A MAGNETIC AZIMUTH
 3' (200 MILES)
 3' (200 MILES)

USERS SHOULD REFER TO CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NGA OPERATIONAL HELP DESK: 1-800-455-0899, COMMERCIAL: 314-269-4600, DSN: 624-6944 OR WRITE TO: DIRECTOR, NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY, ATTN: ES MAIL STOP 1-38, 6600 SANGAMORE ROAD, BETHESDA, MD 20815-5002

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BOUNDARIES

ARIZONA
 Pima County

ADJOINING SHEETS

3548 III	3548 II	3548 I
3547 IV	3547 I	3547 II
2577 III	2577 II	2577 I
1507	1508	1509

