



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 1.46m (4'9")
- Narrow gauge 0.91m (3')

BRIDGES

- Electric
- Pedestrian
- Standard
- Culvert

MISCELLANEOUS CULTURAL FEATURES

- Church
- Building, School, Hospital
- Located object: Tank, Well, Mine, Active, Abandoned
- Area name
- Mimbres

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: Rubric, Normal, 1611, 1457
- DRAINAGE: Streams (Less than 25m wide, Over 25m wide), Lake/pond, Spring, Well, Ditches (Less than 25m wide, Over 25m wide), Tank, Disappearing stream, Land subject to inundation
- VEGETATION: Woodland, Scrub: Scattered trees, Orchard: Vineyard

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.

Scale 1:50,000

Meters 1000 500 0 1 2 3 4 5 Kilometers

1 1/2 3 4 5 Statute Miles

1 Nautical Miles

ELEVATIONS IN METERS

CONTOUR INTERVAL 20 METERS

ELLIPSOID: 1,000-METER UTM ZONE 13 (BLACK NUMBERED LINES)
 GRID: 1,000-METER UTM ZONE 12 (BLUE NUMBERED TICKS)
 5,000-METER STATE GRID TICKS, NEW MEXICO (WEST ZONE)

PROJECTION: TRANSVERSE MERCATOR
 VERTICAL DATUM: NATIONAL GEODETIC SYSTEM 1984
 HORIZONTAL DATUM: NORTH AMERICAN DATUM 1983/WORLD GEODETIC SYSTEM 1984
 PREPARED BY: U.S. GEOLOGICAL SURVEY
 PRINTED BY: NIMA 2-90

CONVERSION GRAPH

(1 meter = 3.28 feet)

Meters	Feet
1700	5577
1800	5905
1900	6233
2000	6561
2100	6889
2200	7217
2300	7545
2400	7873
2500	8201
2600	8529
2700	8857
2800	9185
2900	9513
3000	9841
3100	10169
3200	10497
3300	10825
3400	11153
3500	11481
3600	11809
3700	12137
3800	12465
3900	12793
4000	13121
4100	13449
4200	13777
4300	14105
4400	14433
4500	14761
4600	15089
4700	15417
4800	15745
4900	16073
5000	16401

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

100,000 M. SQUARE IDENTIFICATION

OR

GRID ZONE DESIGNATION: 13R

WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA, PREFIX THE GRID ZONE DESIGNATION.

Example: 13RBR123456

WHEN REPORTING ACROSS A 100,000 METER LINE, PREFIX THE 100,000 METER SQUARE IDENTIFICATION IN WHICH THE POINT LIES.

Example: BR123456

WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA, PREFIX THE GRID ZONE DESIGNATION.

Example: 13RBR123456

USERS SHOULD REFER TO CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA CUSTOMER HELP DESK: 1-800-45-8899 COMMERCIAL: 1-314-260-5032, DSN: 490-5032, OR WRITE TO: ATTN: CDD, MAIL STOP P-37, NATIONAL IMAGERY AND MAPPING AGENCY, 4800 SANGAMORE ROAD, BETHESDA, MD 20816-5002.

© COPYRIGHT 2000 BY THE UNITED STATES GOVERNMENT
 NO COPYRIGHT CLAIMS UNDER TITLE 17 U.S.C.

BOUNDARIES

UNITED STATES
 NEW MEXICO
 Luna County
 CHIHUAHUA
 MEXICO

ADJOINING SHEETS

UNITED STATES	UNITED STATES	UNITED STATES
4348 III	4448 III	4448 III
4347 I	4447 IV	4447 I
3377 III	F701	3473 III
3377 III	3473 III	3473 III

ELEVATION GUIDE

Sheet 4447 IV falls within BM 1219 1501, 1262800

SLOPE GUIDE

PERCENTAGE DEGREE

10% 12% 15% 20% 25% 30% 35% 40% 45% 50%

1.1° 1.4° 1.8° 2.3° 2.9° 3.5° 4.1° 4.8° 5.4° 6.3° 7.1° 8.0° 8.9° 9.9° 10.9° 11.9° 12.9° 13.9° 14.9° 15.9° 16.9° 17.9° 18.9° 19.9° 20.9° 21.9° 22.9° 23.9° 24.9° 25.9° 26.9° 27.9° 28.9° 29.9° 30.9° 31.9° 32.9° 33.9° 34.9° 35.9° 36.9° 37.9° 38.9° 39.9° 40.9° 41.9° 42.9° 43.9° 44.9° 45.9°

GRID CONVERGENCE

70° 0' 0" MILES FOR CENTER OF SHEET

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 AND BLUE/GREEN LIGHT READABLE

LIMITED DISTRIBUTION: Distribution authorized to DoD IAW 10 U.S.C. 4130(a) & 455. Release authorized to U.S. DoD contractors IAW 48 C.F.R. 1252.245-7000. Refer other requests to Headquarters, NIMA, ATTN: Release Officer, Stop P-25. Destroy as "For Official Use Only." Removal of this cover is prohibited.

USGS 31107-G7-TM-050

NSN 754-014-601-809
 NIMA Ref No V78144474

ED. NO. 001