



**Sells**  
ARIZONA-SONORA

1:100 000-scale metric topographic map

**30 X 60 MINUTE QUADRANGLE SHOWING**

- Contours and elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names

**GEOLOGICAL SURVEY**

1994

Produced by the United States Geological Survey  
 U.S. portion compiled from USGS 1:24 000-scale topographic maps dated 1979-1981. Planimetry revised from aerial photographs taken 1992 and other source data. Revised information not field checked.  
 Mexico portion derived from DGG 1:50 000-scale topographic maps dated 1981, La Sierra, H12A27.  
 Map edited: 1994

North American Datum of 1927 (NAD 27). Projection and 10 000-meter grid: Universal Transverse Mercator, zone 12 25 000-foot ticks: Arizona coordinate system, central zone.  
 The values of the shift between NAD 27 and North American Datum of 1983 (NAD 83) for 7.5-minute intersections are obtainable from National Geodetic Survey NADCON software Mexico portion to NAD 27.

There may be private inholdings within the boundaries of the National or State reservations in the U.S. portion shown.

CONTOUR INTERVAL 20 METERS IN THE UNITED STATES  
 NATIONAL GEODETIC VERTICAL DATUM OF 1929  
 ELEVATIONS SHOWN TO NEAREST METER  
 CONTOUR INTERVAL, 10 METERS IN MEXICO  
 DATUM IS MEAN SEA LEVEL

THE U.S. PORTION OF THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS			
Meters	Feet	GN	MN	1	2	3	
1	3.2808			4	5	6	
2	6.5616			7	8		
3	9.8424						
4	13.1232						
5	16.4040						
6	19.6848						
7	22.9656						
8	26.2464						
9	29.5272						
10	32.8080						

To convert meters to feet multiply by 3.2808  
 To convert feet to meters multiply by 0.3048

UTM grid convergence (GN and 1984 magnetic declination) at center of map. Diagram is approximate.

FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO  
 ROZETA ORE REGION, VERONICA ZEPEDA AND BY CENTRO DE INFORMACION Y VENTA, INSTITUTO NACIONAL DE ESTADISTICA GEOGRAFICA E INFORMATICA, Toluca, No. 71, P.B., CP 15620 MEXICO, D.F.

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**Topographic Map Symbols**

Primary highway, hard surface	
Secondary highway, hard surface	
Light duty road, principal street, hard or improved surface	
Other road or street, trail	
Route marker: interstate; U. S. State	
Radius: rounded peak; narrow gage	
Bridge: overpass; underpass	
Tunnel: road; railroad	
Built up area; locality; elevation	
Airport; landing field; landing strip	
National boundary	
State boundary	
County boundary	
National or State reservation boundary	
Land grant boundary	
U. S. public lands survey: range, township, section	
Range, township, section line: projected	
Power transmission line: pipeline	
Dam; dam with lock	
Cemetery; building	
Windmill; water well; spring	
Mine shaft; add or cave; mine, quarry; gravel pit	
Compround; picnic area; U. S. location monument	
Ruins; cliff dwelling	
Contour surface: 80% min.; 10% max.; sand	
Contours: index; intermediate; supplementary	
Bathymetric contours: index; intermediate	
Stream, lake: perennial; intermittent	
Rapids; large and small; falls, large and small	
Area to be submerged; marsh, swamp	
Land subject to controlled inundation; woodland	
Scrub; mangrove	
Orchard; vineyard	