



USGS
science for a changing world

Atascosa Mountains

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 1991 and other source data. Revised information not field checked.
 Mexico portion derived from DGG 1:50,000-scale topographic maps dated 1979-1982. La Carrizpa H12A37, El Saabe H12A38 and La Belluosa H12A39.
 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 is NAD 27.

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

CONTOUR INTERVAL 20 METERS IN THE UNITED STATES
NATIONAL GEODETIC VERTICAL DATUM OF 1929
 ELEVATIONS SHOWN TO NEAREST METER
CONTOUR INTERVAL 50 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	0° 15'	111° 15'	1	2	3	4
1	3.2808			5	6	7	8
2	6.5617			4	5		
3	9.8425			3	4		
4	13.1234			2	3		
5	16.4042			1	2		
6	19.6850			0	1		
7	22.9659			0	0		
8	26.2467			0	0		
9	29.5275			0	0		
10	32.8084			0	0		

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 (MD) at center of map. Diagram is approximate.

1 Lukeville
 2 Sells
 3 Fort Huachuca
 4 Nogales

FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225 AND BY SERVICIO A USARIOS, NECA, DIRECCION DE INTEGRACION Y ANALISIS, SUBDIRECCION DE COMERCIALIZACION, HEREDIA, CARRIZARI 2301, PUERTA 11, COL. DEL PARQUE C.P. 20200, AGUASCALIENTES, AGS. MEXICO

RECEIVED
 DEC 3 1 2000
 ISBN 0-607-08205-4
 9 780607 082050

INTERNATIONAL DATA NOT AVAILABLE

USGS NMD
 HISTORICAL MAP ARCHIVES

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	
Railroad: standard gage, 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: protracted	
Power transmission line; pipeline	
Dam; dam with lock	
Cemetery; building	
Windmill; water well; spring	
Mine shaft; east or cave; mine, quarry; gravel pit	
Campground; picnic area; U. S. location monument	
Ruins; cliff dwelling	
Disturbed surface: strip mine, lava, sand	
Contours: index; intermediate; supplementary	
Bathymetric contours: index; intermediate	
Stream, lake; perennial; intermittent	
Roads, large and small; falls, large and small	
Area to be reclaimed; marsh, swampy	
Land subject to controlled inundation; woodland	
Scrub; mangrove	
Orchard; vineyard	