



USGS
science for a changing world

1:100 000-scale metric topographic map of Valle ARIZONA

30 X 60 MINUTE QUADRANGLE SHOWING

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

U.S. GEOLOGICAL SURVEY

1983

Produced by the United States Geological Survey
 Compiled from USGS 1:24 000 and 1:62 500-scale topographic maps dated 1962-1981. Planimetry revised from aerial photographs taken 1980 and other source data. Revised information not field checked. Map edited 1983.

Projection and 10 000-meter grid, zone 12, Universal Transverse Mercator
 25 000-foot grid ticks based on Arizona coordinate system, central zone, 1927 North American Datum
 To place on the predicted North American Datum 1983 move the projection lines 4 meters north and 67 meters east
 There may be private inholdings within the boundaries of the National or State Reservations shown on this map.

CONTOUR INTERVAL 25 METERS
 NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

FOR SALE BY U.S. GEOLOGICAL SURVEY
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CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS		
Meters	Feet	Magnetic Declination		1	2	3
1	3.2808	Magnetic Declination		4	5	8
2	6.5617	Magnetic Declination		6	7	8
3	9.8425	Magnetic Declination		1 Mount Tremblor		
4	13.1234	Magnetic Declination		2 Grand Canyon		
5	16.4042	Magnetic Declination		3 Tuba City		
6	19.6850	Magnetic Declination		4 Peach Springs		
7	22.9659	Magnetic Declination		5 Valentine		
8	26.2467	Magnetic Declination		6 Williams		
9	29.5275	Magnetic Declination		7 Flagstaff		
10	32.8084	Magnetic Declination				

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

UTM grid convergency (GN) and (NS) magnetic declination (MD) at center of map Diagram is approximate

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Topographic Map Symbols

Primary 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 gauge, narrow gauge	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; adit or cave mine; quarry; gravel pit	Cemetary; picnic area; U. S. location monument	Ruins; cliff dwelling	Distorted surface: strip mine, lava, 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	Sandy, marshy	Orchard; vineyard
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