


Needles

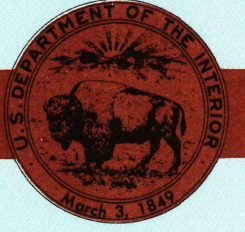
CALIFORNIA-ARIZONA

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

1985

Produced by the United States Geological Survey

Compiled from USGS 1:24 000 and 1:62 500-scale topographic maps dated 1956-1975. Planimetry revised from aerial photographs taken 1980 and other source data. Revised information not field checked. Map edited 1985.

Projection and 10 000-meter grid, zone 11.
Universal Transverse Mercator
25 000-foot grid ticks based on Arizona coordinate system, west zone and California coordinate system, Zone 5
1927 North American Datum
To place on the predicted North American Datum 1983 move the projection lines 1 meter north and 73 meters east

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

CONTOUR INTERVAL 50 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY,
P.O. BOX 25286, DENVER, COLORADO, 80225

CONVERSION TABLE		DECLINATION DIAGRAM	ADJOINING MAPS
Meters	Feet	<p>17°6' 25 MILS 14° 249 MILS</p>	1 2 3
2	3.2808		4 5
4	6.5617		6 7 8
6	9.8425		
8	13.1234		
10	16.4042		
12	19.6850		
14	22.9659		
16	26.2467		
18	29.5275		
20	32.8084		
To convert meters to feet multiply by 3.2808		UTM grid convergence (GM) and 1985 magnetic declination (MD) at center of map. Diagram is approximate.	1 Ivanpah
To convert feet to meters multiply by 0.3048			2 Davis Dam
			3 Valentine
			4 Anubay
			5 Rapidad
			6 Sheep Hole Mts.
			7 Parker
			8 Alamo Lake

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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; protected	Power transmission line; pipeline	Dam; dam with lock	Cemetery; building	Windmill; water well; spring	Mine shaft; adit or cave; mine, quarry; gravel pit	Campground; 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	Scrub; mangrove	Ocher; vineyard

SCALE 1:100 000

1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND

CONTOUR INTERVAL 50 METERS

NEEDLES, CALIFORNIA-ARIZONA
34114-E1-TM-100

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