



USGS
science for a changing world

Bradshaw Mts.

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

USGS
GEOLOGICAL SURVEY

1981

Produced by the United States Geological Survey
Compiled from USGS 1:250 000-scale topographic maps dated 1969-75. Planimetry revised from aerial photographs taken 1972-75, 1978, and other source data. Revised information not field checked. Map edited 1981.
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 67 meters east
There may be private inholdings within the boundaries of the National or State reservations shown on this map.

CONTOUR INTERVAL 40 METERS
SUPPLEMENTARY CONTOUR INTERVAL 20 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	13° 15' N		4	5	
2	6.5617	15 MILES		6	7	8
3	9.8425	UTM grid convergency (GM) and 1983 magnetic declination (MD) at center of map Diagram is approximate		1	2	3
4	13.1234			4	5	
5	16.4043			6	7	8
6	19.6852			1	2	3
7	22.9661			4	5	
8	26.2470			6	7	8
9	29.5279			1	2	3
10	32.8088			4	5	

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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	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 boundary, section line, prearranged
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	Barometric 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	Rock, megalith	Outcrop; viewpoint		