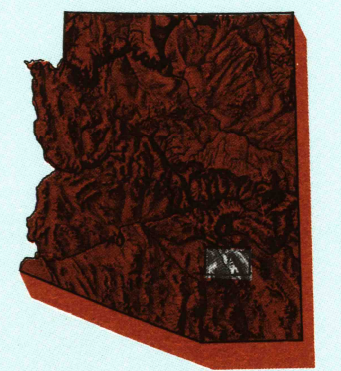


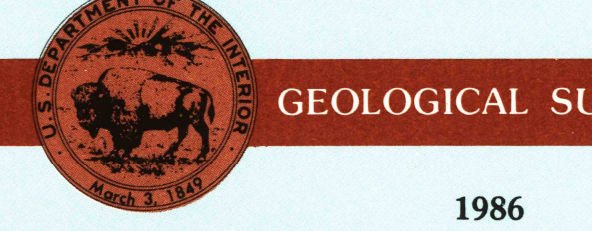
Mammoth ARIZONA

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



Produced by the United States Geological Survey
 Compiled from USGS 1:24 000 and 1:62 500-scale topographic maps dated 1949-1972. Planimetry revised from aerial photographs taken 1983 and other source data. Revised information not field checked. Map edited 1986.

Projection and 10 000-meter grid, zone 12 Universal Transverse Mercator
 25 000-foot grid ticks based on Arizona coordinate system, central and east zones. 1927 North American Datum. To place on the predicted North American Datum 1983 move the projection lines 5 meters south and 61 meters east. There may be private inholdings within the boundaries of the National or State reservations shown on this map.

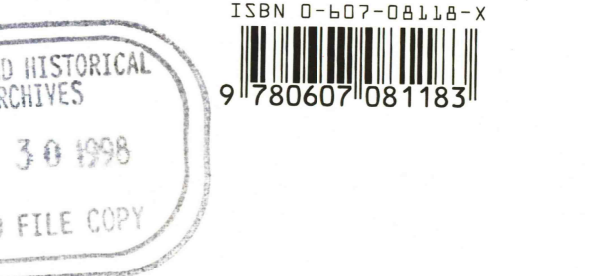
CONTOUR INTERVAL 50 METERS
 NATIONAL GEODETIC VERTICAL DATUM OF 1929
 ELEVATIONS SHOWN TO THE NEAREST METER

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	Magnetic Declination		1	2	3
1	3.2808	0° 16' 12" N		4	5	6
2	6.5616	0° 16' 12" N		7	8	
3	9.8424	0° 16' 12" N				
4	13.1232	0° 16' 12" N				
5	16.4040	0° 16' 12" N				
6	19.6848	0° 16' 12" N				
7	22.9656	0° 16' 12" N				
8	26.2464	0° 16' 12" N				
9	29.5272	0° 16' 12" N				
10	32.8080	0° 16' 12" N				

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

UTM grid convergence (GM) and 1983 magnetic declination (MD) at center of map. Diagram is approximate.



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
- Road, major, 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
- One acre with lot
- Cemetery; building
- Windmill; water well; spring
- Mine shaft; adit or cave; mine, quarry; gravel pit
- Campground; picnic area; U.S. location monument
- Rune; cliff dwelling
- Distorted surface: strip mine, levee, sand
- Contours: index; intermediate; supplementary
- Bathymetric contours: index; intermediate
- Stream, lake; perennial; intermittent
- Beach; large and small; tide, surge and small
- Area to be submerged; marsh, swamp
- Land subject to controlled inundation; woodland
- Soak; mangrove
- Orchard; vineyard

