



30 X 60 MINUTE QUADRANGLE SHOWING

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



1986

Produced by the United States Geological Survey  
 Compiled from USGS 1:24 000 and 1:50 000-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 holdings 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

Meters	Feet
1	3.28084
2	6.56168
3	9.84252
4	13.12336
5	16.40420
6	19.68504
7	22.96588
8	26.24672
9	29.52756
10	32.80840

To convert meters to feet multiply by 3.28084  
 To convert feet to meters multiply by 0.3048

DECLINATION DIAGRAM

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

ADJOINING MAPS		
1	2	3
4	5	
6	7	8

1 Mesa  
 2 Clifton  
 3 Clifton  
 4 Santa Catalina  
 5 Safford  
 6 Silver Reef Mts.  
 7 Tucson  
 8 Wilcox

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 HISTORICAL MAP ARCHIVES

Topographic Map Symbols

- Primary highway, hard surface
- Secondary highway, hard surface
- Light duty road, period street, hard or improved surface
- Other road or street, soft
- 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
- Salt; mangrove
- Outcrop; viewpoint

