



# Tuba City 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**

1983

Produced by the United States Geological Survey  
 Compiled from USGS 1:24 000 and 1:62 500-scale topographic maps dated 1954-1982. 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 5 meters north and 65 meters east  
 There may be private inholdings within the boundaries of the National or State reservations shown on this map

CONTOUR INTERVAL 50 METERS  
 SUPPLEMENTARY CONTOUR INTERVAL 25 METERS  
 NATIONAL GEODETIC DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

| CONVERSION TABLE |         | DECLINATION DIAGRAM |     | ADJOINING MAPS |   |   |  |
|------------------|---------|---------------------|-----|----------------|---|---|--|
| Meters           | Feet    | GN                  | MAG | 1              | 2 | 3 |  |
| 1                | 3.2808  |                     |     | 4              | 5 |   |  |
| 2                | 6.5617  |                     |     | 6              | 7 | 8 |  |
| 3                | 9.8425  |                     |     |                |   |   |  |
| 4                | 13.1234 |                     |     |                |   |   |  |
| 5                | 16.4042 |                     |     |                |   |   |  |
| 6                | 19.6850 |                     |     |                |   |   |  |
| 7                | 22.9659 |                     |     |                |   |   |  |
| 8                | 26.2467 |                     |     |                |   |   |  |
| 9                | 29.5275 |                     |     |                |   |   |  |
| 10               | 32.8084 |                     |     |                |   |   |  |

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

UTM grid convergence (GN and MAG) magnetic declination (MAG) center of map Diagram is approximate

1 Fredonia  
 2 Glen Canyon Dam  
 3 Kaibab  
 4 Grand Canyon  
 5 Valle  
 6 Cameron  
 7 Polacca

A.H. ROBINSON U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225  
 MAP LIBRARY  
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 University of Wisconsin  
 Madison

### Topographic Map Symbols

|   |  |
|---|--|
| Primary highway, hard surface                               |  |
| Secondary highway, hard surface                             |  |
| Light duty road, principal access, hard or improved surface |  |
| Other road or street, mail                                  |  |
| 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: protracted                   |  |
| Power transmission line, pipeline                           |  |
| Dam, dam with lock  |  |
| Canal, aqueduct, culvert                                    |  |
| Windmill, water well, spring                                |  |
| Mine shaft; adit or cave; mine, quarry; gravel pit          |  |
| Campground; picnic area; U. S. location monument            |  |
| Ruin; cliff dwelling  |  |
| Disturbed 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   |  |
| Orchard; vineyard   |  |