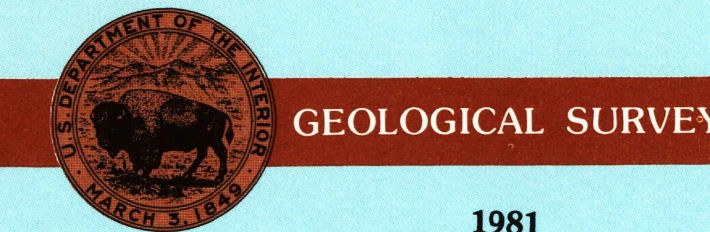


30 X 60 MINUTE QUADRANGLE SHOWING

- 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 1:62 500-scale topographic maps dated 1952-1968. Planimetry revised from aerial photographs taken 1976, 1977 and other source data. Revised information not field checked. Map edited 1981.  
 Projection and 10 000-meter grid, zone 12: Universal Transverse Mercator  
 To place on the predicted North American Datum 1983 move the projection lines 4 meters north and 62 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 COMPLES WITH NATIONAL MAP ACCURACY STANDARDS

| CONVERSION TABLE |         | DECLINATION DIAGRAM |  | ADJOINING MAPS |   |   |
|------------------|---------|---------------------|--|----------------|---|---|
| Meters           | Feet    | MAGNETIC            |  | 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                | 29.5276 | +                   |  |                |   |   |
| 10               | 32.8084 | +                   |  |                |   |   |

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

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

1 Escalator  
 2 River Crossing  
 3 Meadow  
 4 Smoky Mountain  
 5 Cliff  
 6 Glen Canyon Dam  
 7 Avenue  
 8 Rock Point

FOR SALE BY U. S. GEOLOGICAL SURVEY,  
 DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

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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                                      |  |
| Bank 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  |  |
| Cemetery; building  |  |
| Woodwell; water well; spring                                |  |
| Mine shaft; edit 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   |  |
| Orchard; vineyard   |  |

A pamphlet describing topographic maps is available on request

