



- 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-scale topographic maps
dated 1949-1982. Planimetry revised from aerial
photographs taken 1980 and other source data
Revised information not field checked
Map edited 1986

Projection and 10 000-meter grid, zone 15
Universal Transverse Mercator
25 000-foot grid ticks based on Missouri coordinate
system, west zone and Oklahoma coordinate system
north zone. 1927 North American Datum
To place on the predicted North American Datum 1983 move
the projection lines 3 meters south and 19 meters east
There may be private inholdings within the boundaries of
the National or State reservations shown on this map

NATIONAL GEODETIC VERTICAL DATUM OF 1929
ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS			
Meters	Feet			1	2	3	
1	3.2808						
2	6.5617						
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		UTM grid convergence (GM) and 1983 magnetic declination (MM) at center map Diagram is approximate					
To convert feet to meters multiply by 0.3048							

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

USGS NMD HISTORICAL MAP

AUG 25 1986

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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, gravel | |
| Route marker: Interstate, U.S., State | |
| Bridge: standard gage; narrow gage | |
| Bridge: overpass; underpass | |
| Tunnel: road or rail | |
| 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 | |
| Roads, township; section line: protected | |
| Power transmission line; pipeline | |
| Dam; dam with lock | |
| Cemetery; building | |
| Mineral; water well; spring | |
| Windmill; ash; ore; cave; mine; quarry; gravel pit | |
| Categorized picnic area; U.S. location monument | |
| Ruin; old dwelling | |
| Distorted surface: strip mine; lake; sand | |
| Contours: index; intermediate; supplementary | |
| Stream, lake; intermittent; index; intermediate | |
| Stream, lake: perennial; intermittent | |
| Rapids, large and small; falls, large and small | |
| Areas to be submerged; marsh, swamp | |
| Areas to be controlled by inundation; woodland | |
| Stock, range | |
| Orchard; vineyard | |

A pamphlet describing topographic maps is available on request.

