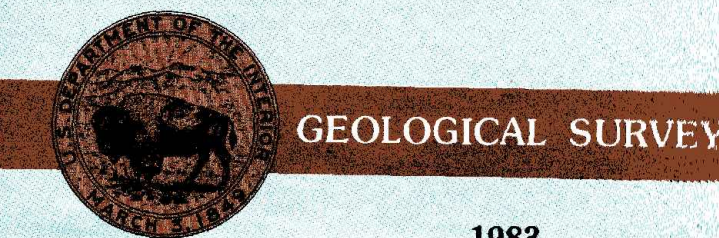


- Contours and elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names



Compiled from USGS 1:24 000-scale topographic maps dated 1951-1981. Planimetry revised from aerial photograph taken 1981 and other source data. Revised information not field checked. Map edited 1983

Projection and 10 000-meter grid, zone 15,  
Universal Transverse Mercator  
25 000-foot grid ticks based on Missouri coordinate system,  
west zone, and Kansas coordinate system, north and south zones  
1927 North American Datum  
To place on the predicted North American Datum 1983, move  
the projection lines 2 meters north and 20 meters east  
There may be private inholdings within the boundaries of  
the National or State reservations shown on this map

CONTOUR INTERVAL 10 METERS  
NATIONAL GEODETIC VERTICAL DATUM OF 1929  
ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

**CONVERSION TABLE**

Meters	Feet
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

To convert feet to meters multiply by 0.3048

**DECLINATION DIAGRAM**

0°56' 17 MILS      90 MILS

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

**ADJOINING MAPS**

1	2
3	4
6	7

1 Topoke  
2 Kansas City  
3 Marshall  
4 Lawrence  
5 Sedalia  
6 Garnett  
7 Butler  
8 Henry S. Frayne Reservoir

FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80201  
OR RESTON, VIRGINIA 22092

Primary highway, hard surface  
Secondary highway, hard surface  
Light duty road, principal arterial, hard or improved surface  
Other road or alley, trail  
Road marker: literature, U.S.; State  
Railroad; standard gage; narrow gage  
Bridge; overpass; underpass  
Arched; ramp; railroad  
Crest; built up area; leading; elevation  
Approach; landing field; landing strip  
National boundary  
State boundary  
County boundary  
International or State reservation boundary  
Grant boundary  
S. public lands survey; range, township; section  
Range, township; section; line; protected  
Crossing; transmission line; pipeline  
Can; can with lock  
Amenity; building  
Inlet; water; well; spring  
How small; set of cars; mine; quarry; gravel pit  
Borehole; pond; sink area; U.S. location monument  
Sink; cliff dwelling  
Terraced surface; sink mine; lava, sand  
Index; intermediate; supplementary  
Synthetic corals; Index; Intermediate  
Index; potential; intermediate  
Sink; large and small; falls, ledge and submerged  
Sink; large and small; marsh, swamp  
Sink; subject to controlled inundation; woodland;  
Sink; river  
Sink; virgin

A pamphlet describing topographic maps is available on request.