



St. Francis KANSAS

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

1985
PHOTOINSPECTED 1985

Produced by the United States Geological Survey
Compiled from USGS 1:250 000-scale topographic maps dated 1976-1981. Planimetry revised from aerial photographs taken 1980 and other source data. Revised information not field checked. Map edited 1985
Projection and 10 000-meter grid, zone 14, Universal Transverse Mercator
25 000-foot grid ticks based on Kansas coordinate system, north zone
1927 North American Datum
To place on the predicted North American Datum 1983, move the projection lines 4 meters north and 38 meters east
There may be private landholdings within the boundaries of the National or State reservations shown on this map

Map photoinspected using 1985 photographs
No major culture or data changes found
CONTINUOUS 10 METERS
SUPPLEMENTARY CONTINUOUS 5 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1989
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 | 22.9658 |
| 8 | 26.2466 |
| 9 | 29.5274 |
| 10 | 32.8082 |

To convert meters to feet multiply by 3.2808

To convert feet to meters multiply by 0.3048

DECLINATION DIAGRAM

GN (Grid North) and MN (Magnetic North) are indicated. The angle between them is 15°. The horizontal distance for 1 degree is 1.76 MILS, and for 15 degrees is 26.1 MILS.

UTM grid convergence (GN) and 180 magnetic declination (MM) at center of map. Diagram is approximate

| ADJOINING MAPS | | | |
|----------------|---|---|--|
| 1 | 2 | 3 | |
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| | | | |

- 1 Way
- 2 Benkelman
- 3 Mc Cook
- 4 Bony Reservoir
- 5 Oberlin
- 6 Burlington
- 7 Goodland
- 8 Oakley

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

Topographic Map Symbols

- Primary highway, hard surface
- Secondary highway, hard surface
- Light duty road, principal street, hard or improved surface
- Other road or street, road
- 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: projected
- 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
- Rain, cliff, quarry
- 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

A pamphlet describing topographic maps is available on request