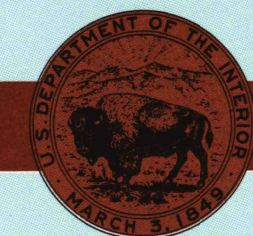


1:100 000-scale
planimetric map



**30 X 60 MINUTE QUADRANGLE
SHOWING**

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



GEOLOGICAL SURVEY

1985

Produced by the United States Geological Survey

Compiled from USGS 1:24 000-scale topographic maps dated 1953-1983. Planimetry revised from aerial photography taken 1981 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 2 meters north and 25 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 STANDARD

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS	
Meters	Feet			1	2
1	3.2808			Blue Rapids	1 Concordia
2	6.5617			Atchison	2 Blue Rapids
3	9.8425			Clay Center	3 Atchison
4	13.1234			Topeka	4 Clay Center
5	16.4042			Salina	5 Topeka
6	19.6850			Council Grove	6 Salina
7	22.9659			Lawrence	7 Council Grove
8	26.2467				8 Lawrence
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 (GN and 1986 magnetic declination (MN) at center of map Diagram is approximate

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

USGS NHD HISTORICAL MAP
JUN 02 1986
REC'D FILE COPY

Topographic Map Symbols

Primary highway, hard surface	
Secondary highway, hard surface	
Light duty road, principal street, hard or improved surface	
Other road or street; yard	
Road marker: Interstate, U.S. State	
Railroad: standard gage, narrow gage	
Bridge: overpass, underpass	
Canal, road, railroad	
Built up area, locality, elevation	
Airport: landing 646; landing strip	
State boundary	
County boundary	
National or State reservation boundary	
Land grant boundary	
U.S. public lands: range, township, section	
Range, township, section line: protruded	
Range, township line: pipeline	
Dam; dam with lock	
Cemetery: building	
Windmill; shaft; well; spring	
Mine: water, salt, oil, coal, quarry, gravel pit	
Engineering points, U.S. location monument	
Rail: shell dwelling	
Disturbed surface: strip mine, lake, sand	
Stream: index; intermittent; supplementary	
Wetlands: contour; index; intermittent	
Cross: lake, perennial; intermittent	
Rapids, large and small; falls, large and small	
Area to be submerged; marsh, swamp	
Land subject to controlled inundation; woodland	
Sandy beach	
Orchard, vineyard	

A pamphlet describing topographic maps is available on request.

MANHATTAN, KANSAS

39096-A1-PL-100

1985