

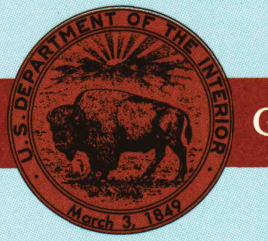
# Chanute KANSAS

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

1990

Produced by the United States Geological Survey  
Compiled from USGS 1:24 000-scale topographic maps,  
dated 1959-1975. Planimetry revised from aerial photographs  
taken 1981 and 1985 and other source data. Revised information not  
field checked. Map edited 1990.  
Projection and 10 000-meter grid, zone 15,  
Universal Transverse Mercator  
25 000-foot grid ticks based on Kansas coordinate  
system, south zone  
1927 North American Datum  
To place on the predicted North American datum 1983, move  
the projection lines 1 meter south and 22 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                                |        | DECLINATION DIAGRAM  | ADJOINING MAPS |  |    |
|---|--------|--|----------------|--|----|
| Meters  | Feet   |  | 1              | 2  | 3  |
| 2   | 6.561  |  | 4              | 5  | 6  |
| 4   | 13.122 |  | 7              | 8  | 9  |
| 6   | 19.683 |  | 10             | 11   | 12 |
| 8   | 26.244 |  | 13             | 14   | 15 |
| 10  | 32.805 |  | 16             | 17   | 18 |
| 12  | 39.366 |  | 19             | 20   | 21 |
| 14  | 45.927 |  | 22             | 23   | 24 |
| 16  | 52.488 |  | 25             | 26   | 27 |
| 18  | 59.049 |  | 28             | 29   | 30 |
| To convert meters to feet<br>multiply by 3.2808 |        | UTM grid convergence<br>(GM) and 1990 magnetic<br>declination (MD)<br>at center of map<br>Diagram is approximate |                | 1 Emporia<br>2 Garrettsville<br>3 Butler<br>4 El Dorado<br>5 Nevada<br>6 Sedan<br>7 Colbyville<br>8 Joplin |    |
| To convert feet to meters<br>multiply by 0.3048 |        |  |                |  |    |

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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                        |  |
| Road 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             |  | 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             |  | Soils: mangrove                                    |  |
| Orchard; vineyard   |  |  |  |

A pamphlet describing topographic maps is available on request

CHANUTE, KANSAS  
37095-E1-TM-100

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