41094-E1-TM-100

## **Guthrie Center IOWA**

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



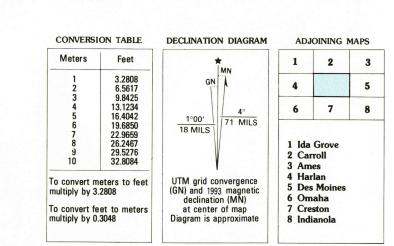
Produced by the United States Geological Survey Compiled from USGS 1:24 000-scale topographic maps dated 1971-1982. Planimetry revised from aerial photographs taken 1990-91 and other source data. Revised information not field checked. Map edited 1993

1927 North American Datum (NAD 27). Projection and 10 000-meter grid: Universal Transverse Mercator, zone 15 25 000-foot ticks: Iowa coordinate system, south and north zones

The difference between NAD 27 and North American Datum of 1983 (NAD 83) is too small to show at this scale. The values of the shift between the datums for 7.5-minute intersections are given in USGS Bulletin 1875 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



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## Topographic Map Symbols

Primary highway, hard surface.... Secondary highway, hard surface...... Light duty road, principal street, hard or improved surface  $\ldots$ Other road or street; trail...... Route marker: Interstate; U.S.; State ... Railroad: standard gage; narrow gage..... Bridge; overpass; underpass.... Tunnel: road; railroad..... Built up area; locality; elevation ..... Airport; landing field; landing strip...... National boundary..... State boundary..... National or State reservation boundary... 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 ... Stream, lake: perennial; intermittent .... Rapids, large and small; falls, large and small..... Area to be submerged; marsh, swamp...... Land subject to controlled inundation; woodland ....

A pamphlet describing topographic maps is available on request

Scrub; mangrove ..... Orchard; vineyard .....