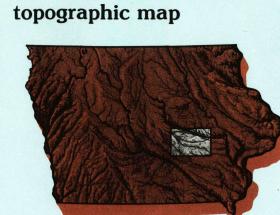


Grinnell **IOWA**

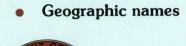
41092-E1-TM-100

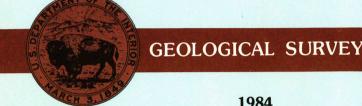
1:100 000-scale metric



30 X 60 MINUTE QUADRANGLE SHOWING

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



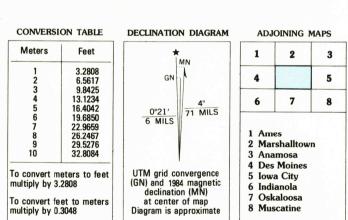


Produced by the United States Geological Survey Compiled from USGS 1:24 000-scale topographic maps dated 1965-1980. Planimetry revised from aerial photographs taken 1983 and other source data. Revised information not field checked. Map edited 1984

Projection and 10 000-meter grid, zone 15, **Universal Transverse Mercator** 25 000-foot grid ticks based on Iowa coordinate system, south and north zones 1927 North American Datum To place on the predicted North American Datum 1983, move the projection lines 3 meters north and 15 meters east There may be private inholdings within the boundaries of

CONTOUR INTERVAL 10 METERS SUPPLEMENTARY CONTOUR INTERVAL 5 METERS NATIONAL GEODETIC VERTICAL DATUM OF 1929 ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS



USGS NMD HISTORICAL MAN

MAY 18 1989

Topographic Map Symbols

Other road or street; trail...... Route marker: Interstate; U.S.; State \rightarrow $-\leftarrow$ $+\rightarrow$ $-\leftarrow$ • 11 County boundary...... Windmill; water well; spring..... Campground; picnic area; U.S. location monument. Ruins; cliff dwelling..... Distorted surface: strip mine, lava; sand ... Rapids, large and small; falls, large and small......

A pamphlet describing topographic maps is available on request