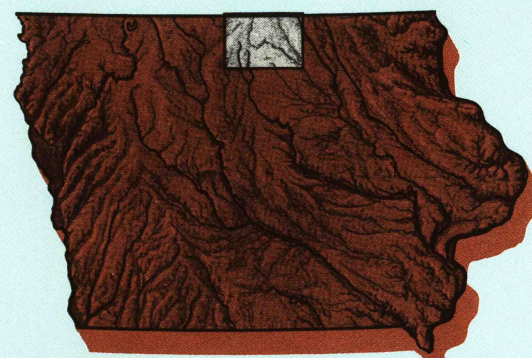


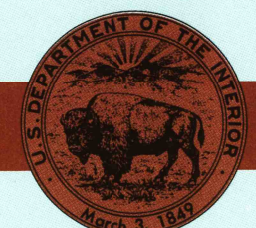
Mason City

IOWA-MINNESOTA

**1:100 000-scale *metric*
topographic map**



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



1985
PHOTOINSPECTED 1990

Produced by the United States Geological Survey

Compiled from USGS 1:24 000 scale topographic maps dated 1959-1972. Planimetry revised from aerial photographs taken 1978-80 and other source data. Revised to reflect 1985 map. Map edited 1985

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

The difference between NAD 27 and North American Datum of 1983 (NAD 83) is too small to show at this scale. The changes of the shift between the datums for 7.5-minute quadrangles are given in the following table:

There may be private inholdings within the boundaries of the National or State reservations shown on this map

Map photocopied using 1990 photographs

No major culture or drainage changes found

CONTOUR INTERVAL 10 METERS

SUPPLEMENTARY CONTOUR INTERVAL, 5 METERS

NATIONAL GEODESIC VERTICAL DATUM OF 1929

ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS:

Meters	Feet
1	3.2808
2	6.5617
3	9.8425
4	13.1234
5	16.4042
10	32.8084
15	49.2076
20	65.6168
25	82.0260
30	98.4352
40	131.2336
50	164.0333
60	196.8330
70	229.6327
80	262.4324
90	295.2321
100	328.0318

$0^{\circ}12'$
 6 MILS

$41^{\circ}5'$
 80 MILS

1	2	3
4	5	6
7	8	9

To convert meters to feet multiply by 3.2808

To convert feet to meters multiply by 0.3048

UTM grid convergence (GN) and 1983 magnetic declination (MN) at center of map. Diagram is approximate

1 Fairmont

2 Albert Lea

3 Austin

4 Eatherfield

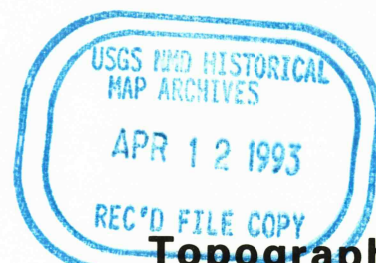
5 Charles City

6 Humboldt

7 Iowa Falls

8 Waverly

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



- Primary highway, hard surface
Secondary highway, hard surface
Light duty road, principal street, hard or improved surface
Other road or street, trail
Water meadow, intertidate; 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
County boundary
National or State reservation boundary
Land grant boundary
U.S. public lands survey: range, township; section
Range, township; section line: protracted
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
Disturbed surface: strip mine, lava, sand
Contours: index, intermediate, supplementary
Bathymetric contours: index, intermediate
Stream, lake: perennial; intermittent
Rapid, large and small; falls, large and small
Area to be submerged; marsh, swamp
Land subject to controlled inundation; woodland
Sisal; mangrove
Orchard; vineyard

A pamphlet describing topographic maps is available on request.

MASON CITY, IOWA-MINNESOTA
43093-A1-TM-100

1985
PHOTOINSPECTED 1990