

# Iowa Falls

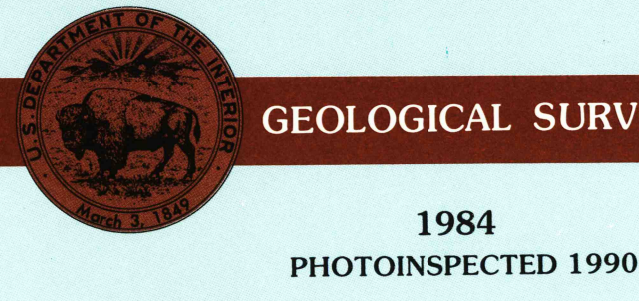
## IOWA

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

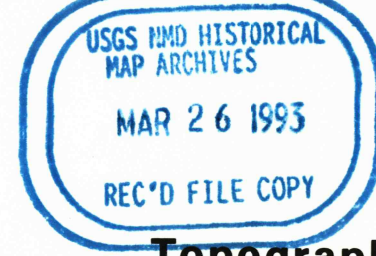


Produced by the United States Geological Survey  
Compiled from USGS 1:24 000-scale topographic maps dated 1972-1979. Planimetry revised from aerial photographs taken 1978-1983 and other source data. Revised information not field checked. Map edited 1984  
1927 North American Datum (NAD 27). Projection and 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 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  
Map photoinspected using 1990 photographs  
No major culture or drainage changes found  
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

CONVERSION TABLE		DECLINATION DIAGRAM	ADJOINING MAPS																
Meters	Feet		<table><tr><td>1</td><td>2</td><td>3</td></tr><tr><td>4</td><td>5</td><td>6</td></tr><tr><td>7</td><td>8</td><td>9</td></tr></table>	1	2	3	4	5	6	7	8	9							
1	2	3																	
4	5	6																	
7	8	9																	
1	3.2808																		
2	6.5617																		
3	9.8425																		
4	13.1234																		
5	16.4042																		
6	19.6850																		
7	22.9659																		
8	26.2467																		
9	29.5275																		
10	32.8084																		
To convert meters to feet multiply by 3.2808		UTM grid convergence (GN) and 15S magnetic declination (MN) at center of map Diagram is approximate	<table><tr><td>1</td><td>Etherville</td></tr><tr><td>2</td><td>Mason City</td></tr><tr><td>3</td><td>Charles City</td></tr><tr><td>4</td><td>Humboldt</td></tr><tr><td>5</td><td>Waverly</td></tr><tr><td>6</td><td>Carroll</td></tr><tr><td>7</td><td>Ames</td></tr><tr><td>8</td><td>Marshalltown</td></tr></table>	1	Etherville	2	Mason City	3	Charles City	4	Humboldt	5	Waverly	6	Carroll	7	Ames	8	Marshalltown
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8	Marshalltown																		
To convert feet to meters multiply by 0.3048																			

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



### 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
- 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
- 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, pond; intermittent
- Rapids, large and small; falls, large and small
- Area to be submerged; marsh, swamp
- Land subject to controlled inundation; woodland
- Scrub; mangrove
- Orchard; vineyard

A pamphlet describing topographic maps is available on request

IOWA FALLS, IOWA  
42093-E1-TM-100  
1984  
PHOTOINSPECTED 1990