

CHARLES CITY, IOWA-MINNESOTA

30 X 60 MINUTE SERIES (TOPOGRAPHIC)

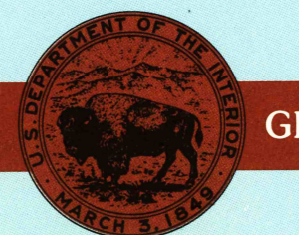
Charles City IOWA-MINNESOTA

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

1985

Produced by the United States Geological Survey  
 Compiled from USGS 1:24 000-scale topographic maps dated 1971-1981. Planimetry revised from aerial photographs taken 1982-83 and other source data. Revised information not field checked. Map edited 1985.  
 Projection and 10 000-meter grid, zone 15, Universal Transverse Mercator  
 25 000-foot grid ticks based on Iowa coordinate system, north zone 1927 North American Datum  
 To place on the predicted North American Datum 1983, move the projection lines 6 meters north and 16 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 DATUM OF 1929  
 ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

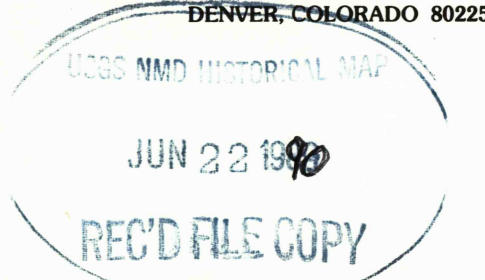
CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS	
Meters	Feet	1983	1983	1	2
1	3.2808	0° 00'	0° 00'	1	2
2	6.5617	0° 01'	0° 01'	3	4
3	9.8425	0° 02'	0° 02'	5	6
4	13.1234	0° 03'	0° 03'	7	8
5	16.4042	0° 04'	0° 04'		
6	19.6850	0° 05'	0° 05'		
7	22.9659	0° 06'	0° 06'		
8	26.2467	0° 07'	0° 07'		
9	29.5275	0° 08'	0° 08'		
10	32.8084	0° 09'	0° 09'		

To convert meters to feet multiply by 3.2808  
 To convert feet to meters multiply by 0.3048

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

1 Albert Lea  
 2 Austin  
 3 La Crosse  
 4 Mason City  
 5 Decatur  
 6 Iowa Falls  
 7 Waverly  
 8 Osceola

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; 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	Disturbed 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	Scrub; mangrove	Orchard; vineyard
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A pamphlet describing topographic maps is available on request

