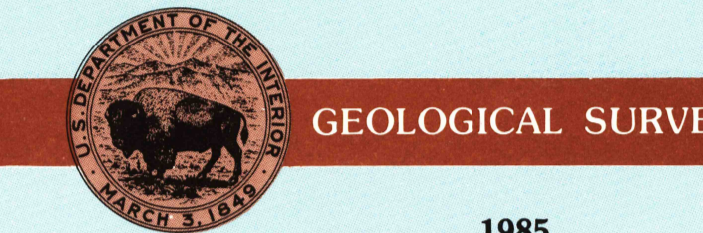


30 X 60 MINUTE QUADRANGLE SHOWING

- 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 1968-1971. Planimetry revised from aerial photographs taken 1956 and other source data. Revised information not field checked. Map edited 1985.

Projection and 10 000-meter grid, zone 14 Universal Transverse Mercator
 25 000-foot grid ticks based on South Dakota coordinate system, north and south zones. 1927 North American Datum
 To place on the predicted North American Datum 1983 move the projection lines 7 meters north and 28 meters east.
 There may be patented inholdings within the boundaries of the National or State reservations shown on this map.

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	True	Magnetic	1	2	3
1	3.2808	110° 15'	110° 00'	4	5	
2	6.5617	110° 30'	109° 45'	6	7	8
3	9.8425	111° 00'	109° 30'			
4	13.1234	111° 30'	109° 15'			
5	16.4042	112° 00'	109° 00'			
6	19.6850	112° 30'	108° 45'			
7	22.9659	113° 00'	108° 30'			
8	26.2467	113° 30'	108° 15'			
9	29.5275	114° 00'	108° 00'			
10	32.8084	114° 30'	107° 45'			

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

UTM grid convergence (1983 and 1985 magnetic declination (MM) at center of map. Diagram is approximate.

1	Redfield
2	Watertown
3	Clear Lake
4	Burns
5	Brookings
6	Michelle
7	Salem
8	Sioux Falls

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 USGS NMD HISTORICAL MAP
 MAR 14 1986
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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, ash 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: 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

