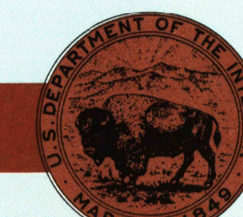




30 X 60 MINUTE QUADRANGLE
SHOWING

- 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 1959-1981. Planimetry revised from aerial photographs
 taken 1984 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 Minnesota coordinate system,
 central zone and North Dakota coordinate system, south zone
 1927 North American Datum
 To place on the predicted North American Datum 1983, move
 the projection lines 7 meters north and 27 meters east
 There may be private 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

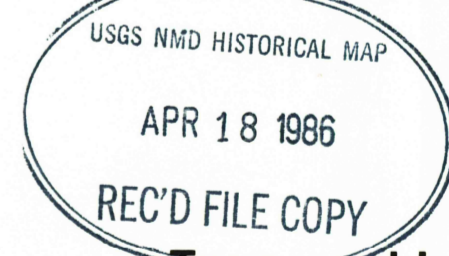
CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS		
Meters	Feet	1985	1911	1	2	3
1	3.2808	1° 58'	116 MILES	1	2	3
2	6.5617	1° 58'	32 MILES	4	5	6
3	9.8425			7	8	
4	13.1234					
5	16.4042					
6	19.6850					
7	22.9659					
8	26.2467					
9	29.5275					
10	32.8084					

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

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

1	Cassellton
2	Fargo
3	Detroit Lakes
4	Lisbon
5	Battle Lake
6	Stevenson
7	Wheaton
8	Lake Minnesota

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	Ruin; cliff dwelling	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
-------------------------------	---------------------------------	---	-----------------------------	---------------------------------------	--------------------------------------	-----------------------------	------------------------	------------------------------------	---------------------------------------	-------------------	----------------	-----------------	--	---------------------	--	---	-----------------------------------	--------------------	--------------------	------------------------------	--	---	----------------------	---	--	---	---------------------------------------	---	------------------------------------	---	-----------------	-------------------

A pamphlet describing topographic maps is available on request

