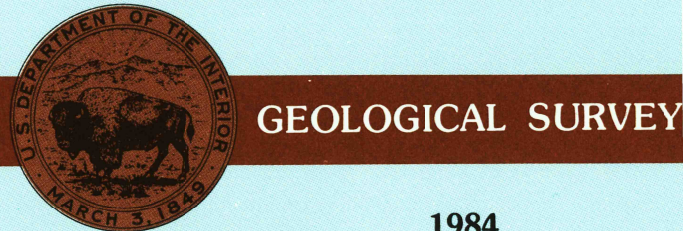




30 X 60 MINUTE QUADRANGLE  
SHOWING

- 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 1948-1983. Planimetry revised from aerial photographs taken 1982 and other source data. Revised information not field checked. Map edited 1984.  
 Projection and 10 000-meter grid, zone 13.  
 Universal Transverse Mercator  
 25 000-foot grid ticks based on North Dakota coordinate system, north zone.  
 1927 North American Datum  
 To place on the predicted North American Datum 1983, move the projection lines 2 meters north and 37 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 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	Magnetic Declination		1	2	3	4
1	3.2808	1° 00' N		4	5	6	7
2	6.5617	1° 00' E		8	9	10	11
3	9.8425	1° 00' W		12	13	14	15
4	13.1234	1° 00' S		16	17	18	19
5	16.4042	1° 00' E		20	21	22	23
6	19.6850	1° 00' W		24	25	26	27
7	22.9659	1° 00' S		28	29	30	31
8	26.2467	1° 00' E		32	33	34	35
9	29.5275	1° 00' W		36	37	38	39
10	32.8084	1° 00' S		40	41	42	43

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

UTM grid convergence (GC) and 1984 magnetic declination (MD) at center of map  
 Diagram is approximate

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OR RESTON, VIRGINIA 22092

USGS NHD HISTORICAL MAP  
SEP 27 1988  
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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
- Mine: shaft; adit or cave; mine, quarry; gravel pit
- Campground; picnic area; U.S. location monument
- Ruins; cliff dwelling
- Discorted 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
- Straw; mangrove
- Orchard; vineyard

A pamphlet describing topographic maps is available on request

