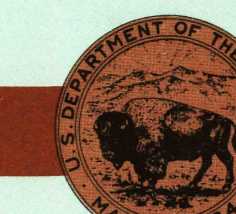




30 X 60 MINUTE QUADRANGLE
SHOWING

- 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 1958-1970. Planimetry revised from aerial photographs taken 1980 and other source data. Revised information not field checked. Map edited 1982.
 Projection and 10 000-meter grid, zone 13
 Universal Transverse Mercator
 25 000-foot grid ticks based on North Dakota coordinate system, north and south zones
 1927 North American Datum
 To place on the predicted North American Datum 1983 move the projection lines 3 meters north and 36 meters east
 There may be private inholdings within the boundaries of the National or State reservations shown on this map

CONTOUR INTERVAL 20 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			1	2	3
1	3 280.8			4	5	6
2	6 561.7			7	8	9
3	9 842.5			10	11	12
4	13 123.4			13	14	15
5	16 404.2			16	17	18
6	19 685.0			19	20	21
7	22 965.8			22	23	24
8	26 246.7			25	26	27
9	29 527.5			28	29	30
10	32 808.4	31	32	33		

To convert meters to feet multiply by 3.2808
 To convert feet to meters multiply by 0.3048
 UTM grid convergence (GN) and 1982 metric declination (MD) at center of map
 Diagram is approximate

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 OR RESTON, VIRGINIA 22092

Topographic Map Symbols

Primary highway, hard surface		National boundary	
Secondary highway, hard surface		County boundary	
Light duty road, principal street, hard or improved surface		National or State reservation boundary	
Other road or street; trail		Land grant boundary	
Route marker: Interstate, U.S., State		U.S. public lands survey: range, township, section	
Railroad: standard gage, narrow gage		Range, township, section line: protracted	
Bridge, overpass, underpass		Power transmission line: pipeline	
Tunnel; road, railroad		Dam; dam with lock	
Built up area; locality; elevation		Cemetery; building	
Airport; landing field; landing strip		Windmill; water well; spring	
National boundary		Mine shaft; adit or cave; mine, quarry; gravel pit	
County boundary		Campground; picnic area; U.S. location monument	
National or State reservation boundary		Ruin; city dwelling	
Land grant boundary		Distorted surface: strip mine, lava, sand	
U.S. public lands survey: range, township, section		Contours: index, intermediate, supplementary	
Range, township, section line: protracted		Bathymetric contours: index, intermediate	
Power transmission line: pipeline		Stream, lake: perennial, intermittent	
Dam; dam with lock		Rapids, large and small; falls, large and small	
Cemetery; building		Area to be submerged; marsh, swamp	
Windmill; water well; spring		Land subject to controlled inundation; woodland	
Mine shaft; adit or cave; mine, quarry; gravel pit		Scrub; mangrove	
Campground; picnic area; U.S. location monument		Orchard; vineyard	
Ruin; city 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			

A pamphlet describing topographic maps is available on request

RETURN TO:
 USGS AND HISTORICAL MAP ARCHIVES

