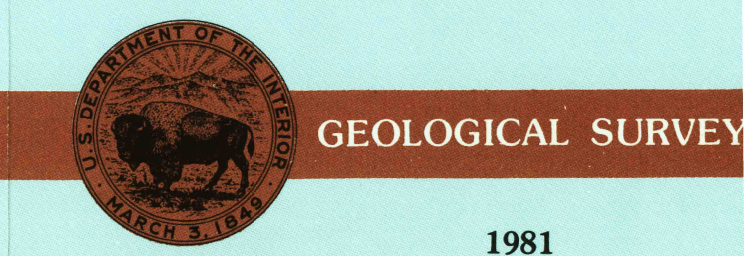




JUL 29 1981

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 1961-1963. Partially revised from aerial photographs taken 1979 and other source data. Revised information not field checked. Map edited 1981.

Projection and 10 000-meter grid, zone 13 Universal Transverse Mercator. 25 000-foot grid ticks based on Wyoming coordinate system east zone and Nebraska coordinate system, south zone 1927 North American datum. To place on the predicted North American Datum 1983 move the projection lines 6 meters north and 46 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

THIS MAP COMPLES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS		
Meters	Feet	MAGNETIC DECLINATION		1	2	3
1	3.2808	1981		1	2	3
2	6.5617	1981		4	5	6
3	9.8425	1981		7	8	9
4	13.1234	1981		10	11	12
5	16.4042	1981		13	14	15
6	19.6850	1981		16	17	18
7	22.9659	1981		19	20	21
8	26.2467	1981		22	23	24
9	29.5276	1981		25	26	27
10	32.8084	1981		28	29	30

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

UTM grid convergence (GN) and 1981 magnetic declination (MD) at center of map. Diagram is approximate.

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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
- Road 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: projected
- Power transmission line; pipeline
- Dam; dam with lock
- Cemetery: building
- Windmill; water well; spring
- Mine shaft: adit or cave; mine, quarry; gravel pit
- Both up area; locality; elevation
- Airport: landing field; landing strip
- 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
- Orchard; vineyard

A publisher describing topographic maps is available on request

