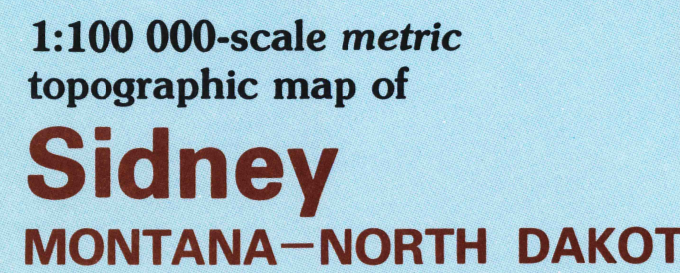
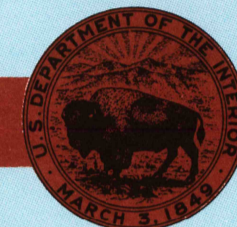


## 30X60 MINUTE SERIES (TOPOGRAPHIC)



**30 X 60 MINUTE QUADRANGLE  
SHOWING**

- Contours and elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names



GEOLOGICAL SURVEY

1981

Produced by the United States Geological Survey

Compiled from USGS 1:24 000-scale topographic maps dated 1966-1972 and from advance materials. Partially revised from aerial photographs taken 1974-75 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 Montana coordinate  
system, central zone and 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 39 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

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS	
Meters	Feet			1	2
1	3.2808			4	5
2	6.5617			6	7
3	9.8425			8	9
4	13.1234			1	2
5	16.4042			3	4
6	19.6850			5	6
7	22.9659			7	8
8	26.2467			9	10
9	29.5276			1	2
10	32.8084			3	4
To convert meters to feet multiply by 3.2808				5	6
To convert feet to meters multiply by 0.3048		UTM grid convergence (GN and 1981 magnetic declination (MN) at center of map Diagram is approximate		7	8
				9	10

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	
Cemetary; building	
Windmill; water wheel; spring	
Mine shaft; adit or cave; mine; quarry; gravel pit	
Campground; picnic area; U. S. location monument	
Ruins; cliff dwelling	
Distorted contour: strip mine, lava, sand	
Contours: index; intermediate; supplementary	
Barometric contours: index; intermediate	
Stream, lake: perennial; intermittent	
Rapids, large and small; falls, large and small	
Land to be submerged; marsh, swamp	
Land subject to controlled inundation; woodland	
Straw; mangrove	
Orchard; vineyard	

A pamphlet describing topographic maps is available on request.