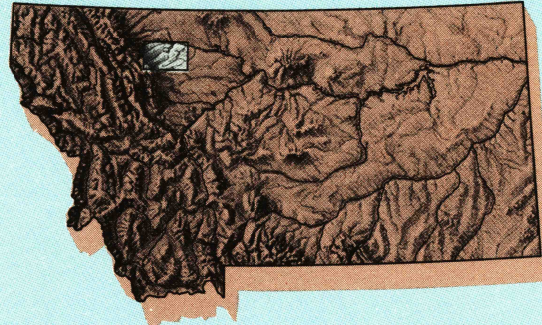




Valier

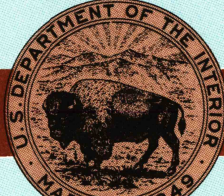
MONTANA

1:100 000-scale metric topographic map



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

1984

Produced by the United States Geological Survey
Compiled from USGS 1:24 000 and 1:62 000-scale topographic maps dated 1934-1948. Partially revised from aerial photographs taken 1973-1975 and other source data. Revised information not field checked.
Map edited 1984.

Projection and 10 000-meter grid, zone 12 Universal Transverse Mercator
25 000-foot grid ticks based on Montana coordinate system, north zone, 1927 North American Datum
To place on the predicted North American Datum 1983 move the projection lines 10 meters north and 65 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	3	
1	3.2808		M	1	2	3	
2	6.5617			4	5	6	
3	9.8425			7	8	9	
4	13.1234			10	11	12	
5	16.4042			13	14	15	
6	19.6850			16	17	18	
7	22.9659			19	20	21	
8	26.2467			22	23	24	
9	29.5276			25	26	27	
10	32.8084			28	29	30	
To convert meters to feet multiply by 3.2808		UTM grid convergence (GN) and magnetic declination (MM) at center of map. Diagram is approximate		1 Saint Mary 2 Carlisle 3 Sweet Grass Hills 4 Henry Horse Res. 5 Conrad 6 Swan Peak 7 Choteau 8 Great Falls North			
To convert feet to meters multiply by 0.3048							

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; 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; protected	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	Ruins; cliff dwellings	Dispersed 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
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A pamphlet describing topographic maps is available on request