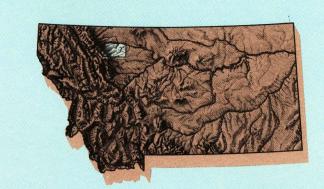


Valier **MONTANA**

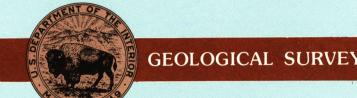
1:100 000-scale *metric* topographic map



48112-A1-TM-10

30 X 60 MINUTE QUADRANGLE SHOWING

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



1984

Produced by the United States Geological Survey Compiled from USGS 1:24 000 and 1:62 000-scale topographic maps dated 1934–1968. 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

CONVERSI	ON TABLE	DECLINATION DIAGRAM	ADJOINING MAPS		
Meters	Feet	*	1	2	3
1 2	3.2808 6.5617	GN MN	4		5
3 4 5	9.8425 13.1234 16.4042	1°07′ 20 MILS / 320 MILS	6	7	8
6 7	19.6850 22.9659		1 Saint Mary 2 Cut Bank		
8 9 10	26.2467 29.5276 32.8084				
To convert meters to feet multiply by 3.2808 To convert feet to meters multiply by 0.3048		UTM grid convergence (GN) and 1984 magnetic declination (MN) at center of map Diagram is approximate	3 Sweet Grass Hills 4 Hungry Horse Res. 5 Conrad 6 Swan Peak 7 Choteau 8 Great Falls North		

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 ... Cemetery; building Windmill; water well; spring..... Mine shaft; adit or cave; mine, quarry; gravel pit ... Campground; picnic area; U. S. location monument.... Ruins; cliff dwelling..... Distorted surface: strip mine, lava; sand... Scrub; mangrove..... Orchard; vineyard

A pamphlet describing topographic maps is available on request

