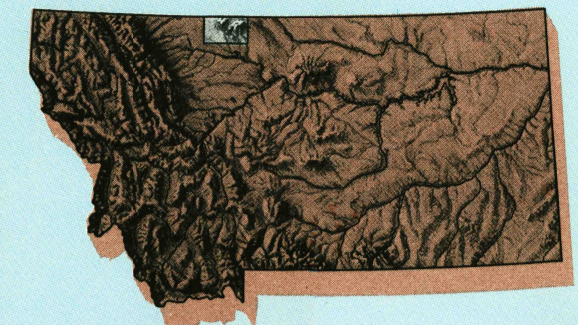


Sweet Grass Hills MONTANA-ALBERTA

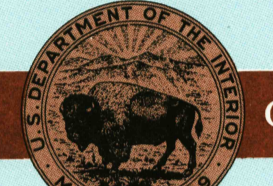
1:100 000-scale metric
topographic map

1984



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
in cooperation with the Bureau of Land Management
Compiled from USGS 1:24 000 and 1:62 500-scale topographic
maps dated 1939-1962. Partially revised from aerial
photographs taken 1973 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 6 meters north and 61 meters east

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			4	5	
2	6.5617			6	7	
3	9.8425			8	9	
4	13.1234			10	11	
5	16.4042			12	13	
6	19.6850			14	15	
7	22.9659			16	17	
8	26.2467			18	19	
9	29.5275			20	21	
10	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 (MD) at center of map
Diagram is approximate

1 2 3
4 5 6
7 8 9
10 11 12
13 14 15
16 17 18
19 20 21
22 23 24
25 26 27
28 29 30
31 32 33
34 35 36
37 38 39
40 41 42
43 44 45
46 47 48
49 50 51
52 53 54
55 56 57
58 59 60
61 62 63
64 65 66
67 68 69
70 71 72
73 74 75
76 77 78
79 80 81
82 83 84
85 86 87
88 89 90
91 92 93
94 95 96
97 98 99
100

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61 62 63
64 65 66
67 68 69
70 71 72
73 74 75
76 77 78
79 80 81
82 83 84
85 86 87
88 89 90
91 92 93
94 95 96
97 98 99
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64 65 66
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88 89 90
91 92 93
94 95 96
97 98 99
100

SWEET GRASS HILLS
ISBN # 0607319372 MT 100
TM
IVEY, DENVER, COLORADO 80225
GIGNA 22092
9 780607 319378

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, section
- 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 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 MND HISTORICAL MAP ARCHIVES
1984

