

SWEET GRASS HILLS, MONTANA-ALBERTA

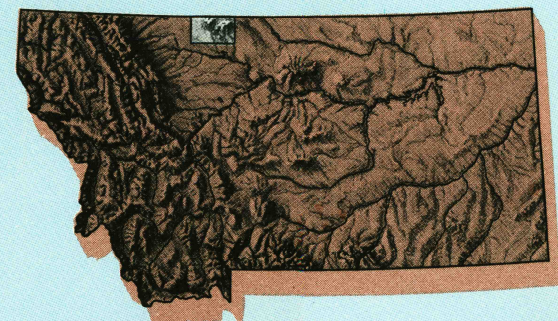
30X60 MINUTE SERIES (TOPOGRAPHIC)

48111-E1-TM-10

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 1959-1962. 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		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 convergency (GN and 1984 magnetic declination (MD)) at center of map Diagram is approximate				
To convert feet to meters multiply by 0.3048						

SWEET GRASS HILLS
ISBN # 0607319372 MT 100
NIVEY, DENVER, COLORADO 80225
GNSA 22992

Topographic Map Symbols

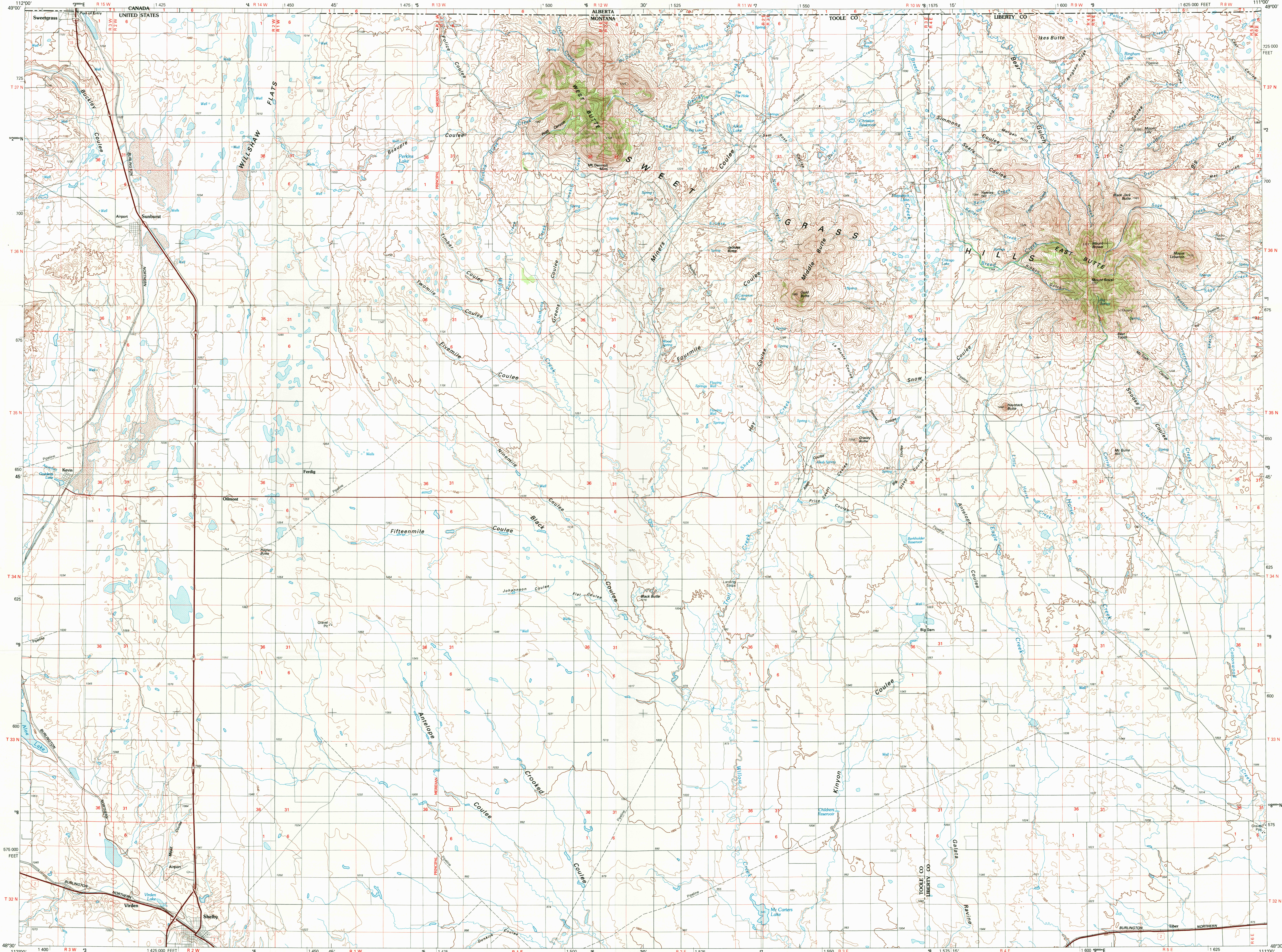
Primary highway, hard surface	
Secondary highway, hard surface	
Light duty road, principal street, hard or improved surface	
Other road or street; trail	
Route marker: Interstate; U. S.; State	
Railroad: standard gage; narrow gage	
Bridge; overpass; underpass	
Tunnel: road; railroad	
Built up area; locality; 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	
Cemetery; building	
Well; 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 AND HISTORICAL MAP ARCHIVES

1984



SCALE 1:100 000

1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND

CONTOUR INTERVAL 20 METERS

SWEET GRASS HILLS, MONT.-ALTA.
N4830-W1100/30x60

KILOMETERS 1 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

MILES 1 0 1 2 3 4 5 6 7 8 9 10 11 12 13

0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 11000 12000 13000 14000 15000 16000 17000 18000 19000 20000 21000 22000 23000 24000 25000 26000 27000 28000 29000 30000 31000 32000 33000 34000 35000 36000 37000 38000 39000 40000 41000 42000 43000 44000 45000 46000 47000 48000 49000 50000 51000 52000 53000 54000 55000 56000 57000 58000 59000 60000 61000 62000 63000 64000 65000 66000 67000 68000 69000 70000 71000 72000 73000 74000 75000 76000 77000 78000 79000 80000 81000 82000 83000 84000 85000 86000 87000 88000 89000 90000 91000 92000 93000 94000 95000 96000 97000 98000 99000 100000