



Prepared by the Defense Mapping Agency Topographic Center, Washington, D. C. Compiled in 1956 by photogrammetric methods from aerial photographs taken 1953. Photographs field annotated 1954. Revised by the U. S. Geological Survey from aerial photographs taken 1974. Map edited 1977.

Areas covered by dashed light-blue pattern are subject to controlled inundation.

100,000-foot grid based on Montana coordinate system, central and north zones.

Location of geodetic control established by government agencies is shown on corresponding 1:250,000-scale Geodetic Control Diagram.

LEGEND

Figures in red denote approximate distance in miles between stars.

POPULATED PLACES

Over 500,000
100,000 to 500,000
25,000 to 100,000
5,000 to 25,000
1,000 to 5,000
Less than 1,000

ROADS

Primary, all-weather, hard surface
Secondary, all-weather, hard surface
Light-duty, all-weather, hard or improved surface
Fair or dry weather, unimproved surface
Trail
Interchange

RAILROADS

Standard gauge
Narrow gauge

BOUNDARIES

International
State
County
Park or reservation

Other Features

Landplane airport
Spot elevation in feet
Marsh or swamp
Intermittent or dry stream
Woods/brushwood
Power line
Mine
Landmark: School, Church, Other
Spot elevation in feet
Marsh or swamp
Intermittent or dry stream
Woods/brushwood
Power line

Scale 1:250,000

0 5 10 15 20 25 30 Statute Miles

0 5 10 15 20 25 30 Nautical Miles

CONTOUR INTERVAL 100 FEET

TRANSVERSE MERCATOR PROJECTION

BLACK NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 12

1977 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 17°15' (310 MILS) WESTERLY FOR THE CENTER OF THE WEST EDGE TO 16°15' (300 MILS) EASTERLY FOR THE CENTER OF THE EAST EDGE

FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

LOCATION DIAGRAM

ALBERTA		SASKATCHEWAN	
CO. 12-10	N.M. 12-11	CO. 13-10	N.M. 13-11
CO. 12-11	N.M. 12-12	CO. 13-11	N.M. 13-12
CO. 12-12	N.M. 12-13	CO. 13-12	N.M. 13-13
CO. 12-13	N.M. 12-14	CO. 13-13	N.M. 13-14
CO. 12-14	N.M. 12-15	CO. 13-14	N.M. 13-15
CO. 12-15	N.M. 12-16	CO. 13-15	N.M. 13-16
CO. 12-16	N.M. 12-17	CO. 13-16	N.M. 13-17
CO. 12-17	N.M. 12-18	CO. 13-17	N.M. 13-18
CO. 12-18	N.M. 12-19	CO. 13-18	N.M. 13-19

SECTIONIZED TOWNSHIP

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

GRID ZONE DESIGNATION

12T

100,000 M. SQUARE IDENTIFICATION

WJ	XJ	YJ	ZJ
WH	XH	YH	ZH

TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 1000 METERS

SAMPLE POINT: MOUNTAIN

1. Read letters identifying 100,000 meter square in which the point lies.
2. Locate first VERTICAL grid line to LEFT of point and read LARGE figure labeling the line either in the top or bottom margin or on the line itself.
3. Estimate tenths from grid line to point.
4. Locate first HORIZONTAL grid line BELOW point and read LARGE figure labeling the line either in the left or right margin or on the line itself.
5. Estimate tenths from grid line to point.
6. If rounding required in any direction, prefix Grid Zone Designation, as:

12TXXK445

TOWNSHIP OR RANGE LINE
LAND GRANT BOUNDARY

USCS
Historical File
Topographic Division

LEWISTOWN, MONTANA
1954
REVISED 1977

MAR 22 1979

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