



502, EDITION 3

Prepared by the U. S. Army Topographic Command (ASAT), Washington, D. C. Compiled in 1954 by photogrammetric methods from aerial photographs taken 1951. Map field checked 1953. Revised in 1975 by the U. S. Geological Survey from aerial photographs taken 1974.

100,000-foot grids based on Montana coordinate system, south and central 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 distances 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**

Standard gauge  
Narrow gauge  
Landplane airport  
Seaplane airport  
Park or reservation

**RAILROADS**

Single track  
Double or Multiple track  
Interstate, U.S., State, County

**BOUNDARIES**

International  
State  
County

**LANDMARKS**

School  
Church  
Mine  
Spot elevation in feet  
Marsh or swamp  
Intermittent or dry stream  
Power line

**Other**

Gravel pit  
Gravel road  
Gravel area  
Gravel quarry  
Gravel pit  
Gravel road  
Gravel area  
Gravel quarry  
Gravel pit  
Gravel road  
Gravel area  
Gravel quarry

Scale 1:250,000

0 5 10 15 20 25 30 Statute Miles

0 5 10 15 20 25 30 Kilometers

0 5 10 15 20 25 30 Nautical Miles

**CONTOUR INTERVAL 100 FEET**

**TRANSVERSE MERCATOR PROJECTION**

BLACK NUMBERED LINES INDICATE THE 10,000 METRE UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 13

1975 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 15° (270 MILES) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 13° (240 MILES) EASTERLY FOR THE CENTER OF THE EAST EDGE

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

**LOCATION DIAGRAM**

110° 100° 90° 80° 70° 60° 50° 40°

44° 42° 40° 38° 36° 34° 32° 30° 28° 26° 24° 22° 20° 18° 16° 14° 12° 10° 8° 6° 4° 2° 0°

**SECTIONIZED TOWNSHIP**

6	5	4	3	2	1
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

**GRID ZONE DESIGNATION**

13T

100,000 M. SQUARE IDENTIFICATION

TO GIVE A STANDARD REFERENCE TO THIS SHEET TO NEAREST 1000 METRES

**SAMPLE POINT: RED HILL SCHOOL**

1. Read letters identifying 100,000 metre 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

**ESTIMATE REFERENCE**

If reporting beyond 18° in any direction, prefix Grid Zone Designation, as

**MILES CITY, MONTANA; NORTH DAKOTA**

Historical File

Topographic Division

1953

REVISED 1975

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