



Prepared by the Defense Mapping Agency Topographic Center, Washington, D.C. Compiled in 1959 by photogrammetric methods and from United States quadrangles, 1:50,000 and 1:62,500, dated 1950-1954. Map first checked 1958. Revised by the U.S. Geological Survey from aerial photographs taken 1976. Map edited 1977.

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**

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  
International  
State  
County  
Park or reservation

**Landplane airport**  
**Landing area**  
**Seaplane airport**  
**Seaplane anchorage**  
**Woods brushwood**

**Other symbols**

Mine  
Landmark: School; Church; Other  
Spot elevation in feet  
Marsh or swamp  
Intermittent or dry stream  
Power line

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 200 FEET  
WITH SUPPLEMENTARY CONTOURS AT 100 FOOT INTERVALS  
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 181° (330 MILES) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 18° (320 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

118°	119°	120°	121°	122°	123°	124°	125°	126°	127°	128°	129°	130°
44°	45°	46°	47°	48°	49°	50°	51°	52°	53°	54°	55°	56°

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: 12T

100,000 M. SQUARE IDENTIFICATION

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

SAMPLE POINT: PHILIPSBURG

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.

SAMPLE REFERENCE

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

51Q00000

127062393