



V502, EDITION 4
Prepared by the Army Map Service (KCS), Corps of Engineers, U.S. Army, Washington, D.C. Compiled in 1959 by photogrammetric methods and from United States quadrangles, 1:50,000 and 1:62,500, 1950-54. Horizontal and vertical control by USGS, USCGS, USACE, and U.S. Forest Service. Map field checked 1958. Limited revision by U.S. Geological Survey 1968.
100,000-foot grids based on Montana coordinate system, south and central zones

LEGEND

ROAD DATA PARTIALLY REVISED 1968
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 |
| LOS ANGELES | OMAHA | GALVESTON | LAVERGNE | Grand Coulee | Sun Valley |

RAILROADS

| | | | | | | |
|----------------|--------------------|----------------------------------|--------------------------|------------------------|---------------------|---------------------|
| Standard gauge | Narrow gauge | Landplane airport | Landing area | State | County | Park or reservation |
| Single track | Double or Multiple | Landmarks: School, Church, Other | Horizontal control point | Spot elevation in feet | Improved light duty | Unimproved dirt |
| Trail | | | | | | |

BOUNDARIES

| | | | |
|----------------|--------------------|----------------------------------|--------------------------|
| International | State | County | Park or reservation |
| Standard gauge | Narrow gauge | Landplane airport | Landing area |
| Single track | Double or Multiple | Landmarks: School, Church, Other | Horizontal control point |
| Trail | | | |

Approximate road alignment

Scale 1:250,000

0 5 10 15 20 25 30 Kilometers
0 5 10 15 20 25 30 Statute Miles

CONTOUR INTERVAL 200 FEET
WITH SUPPLEMENTARY CONTOURS AT 100 FOOT INTERVALS

TRANSVERSE MERCATOR PROJECTION

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

1965 MAGNETIC DECLINATION FROM TRUE NORTH FOR THIS SHEET VARIES FROM 19°45' (350 MILES) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 18°45' (330 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° | 117° | 116° | 115° | 114° | 113° | 112° | 111° | 110° | 109° | 108° |
| 44° | 43° | 42° | 41° | 40° | 39° | 38° | 37° | 36° | 35° | 34° |

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

12N UG

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

SAMPLE POINT: PHILIPBURG

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.

SAMPLE REFERENCE: 12N UG 1211 2625

USGS
Historical File
Topographic Division

BUTTE, MONTANA
1958
LIMITED REVISION 1968

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