



V502, EDITION 2

Prepared by the U.S. Army Topographic Command (ASST), Washington, D.C. Compiled in 1955 by photogrammetric methods and from United States quadrangles 1:24,000, 1:50,000, 1:62,500, and 1:63,000. Planimetry revised from aerial photographs taken 1953. Photographs field annotated 1954-1955. Revised in 1971 by the U.S. Geological Survey from aerial photographs taken 1965.

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  
250,000 to 500,000  
100,000 to 250,000  
25,000 to 100,000  
5,000 to 25,000  
1,000 to 5,000  
Less than 1,000

**ROADS**

Standard gauge  
Narrow gauge  
Interstate  
State  
County  
Park or reservation

**RAILROADS**

Single track  
Double or multiple track  
Standard gauge  
Narrow gauge

**BOUNDARIES**

International  
State  
County  
Park or reservation

**Other**

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

**Other**

Landplane airport  
Landing area  
Seaplane airport  
Seaplane anchorage  
Woods-brushwood

**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 Nautical Miles

**CONTOUR INTERVAL 100 FEET**

TRANSVERSE MERCATOR PROJECTION

BLACK NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 14

1970 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 15° (190 MILES) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 94° (170 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**

MINNESOTA  
DANOTA  
SOUTH DAKOTA  
NEBRASKA  
KANSAS  
MISSOURI  
IOWA  
OKLAHOMA  
ARIZONA  
NEW MEXICO  
UTAH  
COLORADO  
WYOMING  
MONTANA  
IDAHO  
OREGON  
CALIFORNIA  
Nevada  
Hawaii

**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**

100,000 M SQUARE IDENTIFICATION

MB NB  
MA NA

50

TO GIVE A STANDARD REFERENCE ON THIS SHEET TO MARKED 300 METERS

SAMPLE POINT: RANCH

1. Read letters identifying 300,000 meter square in which the point lies.

2. Locate first vertical line and line to left of point and read LANE 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 line and line below point and read LANE 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 marking device is in any direction, prefix Grid Zone Designation, e.g., 45J000000

SAMPLE REFERENCE: 45J000000

147MB051

**RECD FILE COPY**

JUL 29 1968

U.S. GEOLOGICAL SURVEY

1955  
REVISED 1971

BROKEN BOW, NEBRASKA