

Prepared by the Army Map Service (LKBTT), Corps of Engineers, U.S. Army, Washington, D.C. Compiled in 1953 by photogrammetric methods. Horizontal and vertical control by USGS, USC&GS, and USCE. Aerial photography 1953. Photography field annotated 1953. Limited revision by U.S. Geological Survey 1967.
100,000-foot grids based on Minnesota coordinate system, central and south zones

ROAD DATA 1953 PARTIALLY REVISED 1967

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

RAILROADS

- Standard gauge
- Narrow gauge
- Landplane airport
- Landing area
- Seaplane airport
- Seaplane anchorage
- Woods-brushwood

LEGEND

- Hard surface, heavy duty
- More than two lanes wide
- Two lanes wide, Federal route marker
- Hard surface, medium duty
- More than two lanes wide
- Two lanes wide, State, Interstate route marker
- Improved light duty
- Unimproved dirt
- Trail
- Landmarks: School; Church; Other
- Horizontal control point
- Spot elevation in feet
- Marsh or swamp
- Intermittent or dry stream
- Power line

BOUNDARIES

- International
- State
- County
- Park or reservation

APPROXIMATE ROAD ALIGNMENT

Scale 1:250,000

0 5 10 15 20 25 30 Statute Miles

0 5 10 15 20 25 30 Kilometers

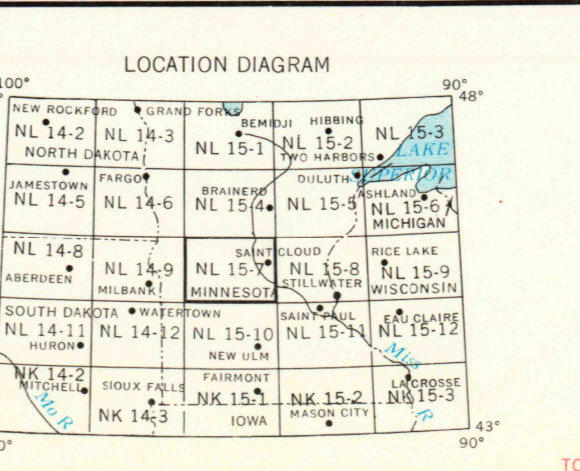
0 5 10 15 Nautical Miles

CONTOUR INTERVAL 50 FEET
WITH SUPPLEMENTARY CONTOURS AT 25 FOOT INTERVALS
TRANSVERSE MERCATOR PROJECTION

BLACK NUMBERED LINES INDICATE THE 10,000 METRE UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 15

1967 MAGNETIC DECLINATION FROM TRUE NORTH FOR THIS SHEET VARIES FROM 8° (140 MILES) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 4° (110 MILES) EASTERLY FOR THE CENTER OF THE EAST EDGE.

FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D.C. 22092



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

100,000 M. SQUARE IDENTIFICATION

TA UA VA
TV UV VV

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

SAMPLE POINT GRABCOCK

- Read letters identifying 100,000 metre square in which the point lies.
- 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.
- Estimate tenths and read LARGE figure labeling the line either in the left or right margin, or on the line itself.
- Estimate tenths from grid line to point.

SAMPLE REFERENCE

If reporting beyond 10' in any direction, use Grid Zone Designation, see 4950000

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U.S.G.S.
Historical File
Topographic Division

1953
LIMITED REVISION 1967

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