



Prepared by the Army Map Service (AMSK), Corps of Engineers, U.S. Army, Washington, D.C. Compiled in 1953 by photogrammetric methods and by reference to Iowa and Minnesota County Highway Maps, 1947-50. Horizontal and vertical control by USGS, USCGS and USCE. Aerial photography 1949-50. Map field checked 1954. Limited revision by U.S. Geological Survey 1967.

100,000-foot grids based on Iowa coordinate system, north zone and Minnesota coordinate system, south zone

10,000-meter Universal Transverse Mercator grid ticks, zone 15, shown in blue

ROAD DATA 1954 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

ROADS

- 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 markers
- Improved light duty
- Unimproved dirt
- Trail

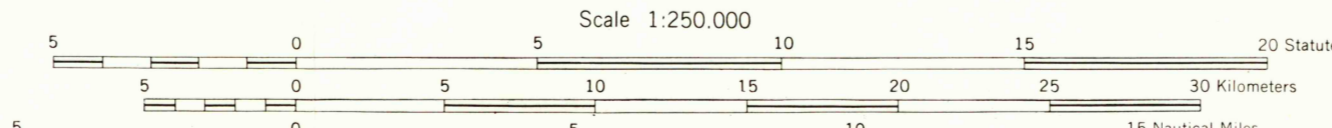
RAILROADS

- Standard gauge
- Narrow gauge
- Landplane airport
- Landing area
- Seaplane airport
- Seaplane anchorage
- Woods-brushwood
- Landmarks: School, Church, Other, etc.
- 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



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

1965 MAGNETIC DECLINATION FROM TRUE NORTH FOR THIS SHEET VARIES FROM 7° (120 MILES) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 5° (90 MILES) EASTERLY FOR THE CENTER OF THE EAST EDGE.

FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D.C. 20242

LOCATION DIAGRAM

46°00' N	45°00' N	44°00' N	43°00' N
94°00' W	93°00' W	92°00' W	91°00' W

Grid showing township and range coordinates for the map area.

USGS Historical File Topographic Division

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

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JUN 29 1967