

V502  
Edition 1-AMS (First Printing, )  
Prepared by the Army Map Service (AMS), Corps of Engineers, U. S. Army, Washington, D. C. Compiled in 1953 by photogrammetric methods by reference to Iowa County Highway Maps 1949 and 1950. Horizontal and vertical control by USCGS, USGS, and CE. Aerial photography October 1949, April-June and October 1950. Map field checked 1954.  
100,000 foot grid based on Iowa coordinate system, north and south zones  
10,000-meter Universal Transverse Mercator grid ticks, zone 15, shown in blue

**LEGEND**  
ROAD DATA 1954  
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

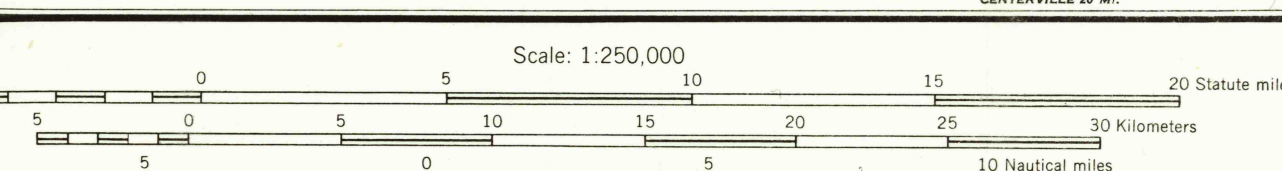
**BOUNDARIES**  
Standard gauge  
Narrow gauge  
International  
State  
County  
Park or reservation

**RAILROADS**  
Single track  
Double or multiple track  
Landing area  
Seaplane airport  
Seaplane anchorage  
Woods/bushwood

**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 route marker  
Improved light duty  
Unimproved dirt  
Trail

**LANDMARKS**  
School; Church; Other  
Spot elevation in feet  
Marsh or swamp  
Intermittent or dry stream  
Power line

**OTHER**  
Principal  
Other



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

100 MAGNETIC DECLINATION FOR THIS SHEET VARIES FROM 7°15' EASTERLY FOR THE CENTER OF THE WEST EDGE TO 6°00' EASTERLY FOR THE CENTER OF THE EAST EDGE. MEAN ANNUAL CHANGE 13'00" WESTERLY.  
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225 OR WASHINGTON, D. C. 20242

LOCATION DIAGRAM FOR NK 15-8

MINNESOTA NK 15-1 MINNEAPOLIS NK 15-2 ST. PAUL NK 15-3 DULUTH NK 15-4 DULUTH NK 15-5 DULUTH NK 15-6 DULUTH NK 15-7 DULUTH NK 15-8 DULUTH NK 15-9 DULUTH NK 15-10 DULUTH NK 15-11 DULUTH NK 15-12 DULUTH NK 15-13 DULUTH NK 15-14 DULUTH NK 15-15 DULUTH NK 15-16 DULUTH NK 15-17 DULUTH NK 15-18 DULUTH NK 15-19 DULUTH NK 15-20 DULUTH NK 15-21 DULUTH NK 15-22 DULUTH NK 15-23 DULUTH NK 15-24 DULUTH NK 15-25 DULUTH NK 15-26 DULUTH NK 15-27 DULUTH NK 15-28 DULUTH NK 15-29 DULUTH NK 15-30 DULUTH NK 15-31 DULUTH NK 15-32 DULUTH NK 15-33 DULUTH NK 15-34 DULUTH NK 15-35 DULUTH NK 15-36 DULUTH	WISCONSIN NK 16-1 MILWAUKEE NK 16-2 MILWAUKEE NK 16-3 MILWAUKEE NK 16-4 MILWAUKEE NK 16-5 MILWAUKEE NK 16-6 MILWAUKEE NK 16-7 MILWAUKEE NK 16-8 MILWAUKEE NK 16-9 MILWAUKEE NK 16-10 MILWAUKEE NK 16-11 MILWAUKEE NK 16-12 MILWAUKEE NK 16-13 MILWAUKEE NK 16-14 MILWAUKEE NK 16-15 MILWAUKEE NK 16-16 MILWAUKEE NK 16-17 MILWAUKEE NK 16-18 MILWAUKEE NK 16-19 MILWAUKEE NK 16-20 MILWAUKEE NK 16-21 MILWAUKEE NK 16-22 MILWAUKEE NK 16-23 MILWAUKEE NK 16-24 MILWAUKEE NK 16-25 MILWAUKEE NK 16-26 MILWAUKEE NK 16-27 MILWAUKEE NK 16-28 MILWAUKEE NK 16-29 MILWAUKEE NK 16-30 MILWAUKEE NK 16-31 MILWAUKEE NK 16-32 MILWAUKEE NK 16-33 MILWAUKEE NK 16-34 MILWAUKEE NK 16-35 MILWAUKEE NK 16-36 MILWAUKEE
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USGS  
Historical File  
Topographic Division

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

DES MOINES, IOWA