



Prepared by the Defense Mapping Agency Topographic Center, Washington, D. C. Compiled in 1954 by photogrammetric methods from aerial photographs taken 1949-53. Photographs field annotated 1953. Revised by the U. S. Geological Survey from aerial photographs taken 1976. Map edited 1977.

100,000-foot grid based on Wisconsin coordinate system, central and south zones and Minnesota coordinate system, south zone.

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
- 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

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Sun Valley
- Route markers: Interstate, U.S., State

RAILROADS

- Normal gauge
- Narrow gauge
- Landplane airport
- Spot elevation in feet
- Seaplane airport
- Seaplane anchorage
- Marsh or swamp
- Intermittent or dry stream
- Woods/brushwood
- Mine
- Landmark: School; Church; Other
- Power line

BOUNDARIES

- International
- State
- County
- Park or reservation

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 30 Nautical Miles

CONTOUR INTERVAL 100 FEET
WITH SUPPLEMENTARY CONTOURS AT 50 FOOT INTERVALS
TRANSVERSE MERCATOR PROJECTION

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

1977 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 31° 16' 00" WEST TO 31° 00' 00" WEST FOR THE CENTER OF THE WEST EDGE TO 11° 30' 00" WEST FOR THE CENTER OF THE EAST EDGE

FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

LOCATION DIAGRAM

NL 15-4	DULUTH	ST. CROIX	ST. CROIX	ST. CROIX	ST. CROIX
NL 15-5	BRAINERD	ST. CROIX	ST. CROIX	ST. CROIX	ST. CROIX
NL 15-6	SAINT CLOUD	ST. CROIX	ST. CROIX	ST. CROIX	ST. CROIX
NL 15-7	ST. CLOUD	ST. CROIX	ST. CROIX	ST. CROIX	ST. CROIX
NL 15-8	ST. CLOUD	ST. CROIX	ST. CROIX	ST. CROIX	ST. CROIX
NL 15-9	ST. CLOUD	ST. CROIX	ST. CROIX	ST. CROIX	ST. CROIX
NL 15-10	ST. CLOUD	ST. CROIX	ST. CROIX	ST. CROIX	ST. CROIX
NL 15-11	ST. CLOUD	ST. CROIX	ST. CROIX	ST. CROIX	ST. CROIX
NL 15-12	ST. CLOUD	ST. CROIX	ST. CROIX	ST. CROIX	ST. CROIX
NL 15-13	ST. CLOUD	ST. CROIX	ST. CROIX	ST. CROIX	ST. CROIX
NL 15-14	ST. CLOUD	ST. CROIX	ST. CROIX	ST. CROIX	ST. CROIX
NL 15-15	ST. CLOUD	ST. CROIX	ST. CROIX	ST. CROIX	ST. CROIX

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

TOWNSHIP OR RANGE LINE

LAND GRANT BOUNDARY

GRID ZONE DESIGNATION

15T

TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 500 METERS

100,000 M. SQUARE IDENTIFICATION

WV	XV	YV
WU	XU	YU

1. Read letters identifying 100,000 meter square in which the point lies:

2. Locate the 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 the 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:

If reporting beyond 50 m in any direction, prefix Grid Zone Designation, as:

4820000 15TXX732

EAU CLAIRE, WISCONSIN; MINNESOTA

1953

REVISED 1977

A.H. ROBINSON
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 Madison