



PRODUCED BY THE U. S. GEOLOGICAL SURVEY  
 Base map prepared by Defense Mapping Agency by photogrammetric methods. Field checked 1953. Revised by the U. S. Geological Survey from aerial photographs taken 1976 and other source data. Revised information not field checked. Map edited 1980.  
 Transverse Mercator Projection, 10,000-meter Universal Transverse Mercator grid, zone 15. 100,000-foot grid ticks based on Wisconsin coordinate system, central and north zones, 1927 North American Datum. To place on the predicted North American Datum 1983, move the projection lines 6 meters north and 12 meters east.  
 Location of geodetic control established by government agencies is shown on corresponding 1:250,000-scale Geodetic Control Diagram.  
 There may be private inholdings within the boundaries of the National or State reservations shown on this map.

**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
- Fair or dry weather, unimproved surface
- Trail
- Interchange

**RAILROADS**

- Single track Double or Multiple
- Normal gauge
- Narrow gauge

**BOUNDARIES**

- International
- State
- County
- Park or reservation

**Other Features:**

- Landplane airport
- Landing area
- Seaplane airport
- Seaplane anchorage
- Woods/bushwood
- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landmark: School, Church, Other
- Spot elevation in feet
- Marsh or swamp
- Intermittent or dry stream
- Power line

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 30 FEET**  
 WITH SUPPLEMENTARY CONTOURS AT 25 FOOT INTERVALS

1980 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 3' (50 MILS) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 1' (20 MILS) EASTERLY FOR THE CENTER OF THE EAST EDGE

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**LOCATION DIAGRAM**

MINNESOTA	WISCONSIN	MICHIGAN	ILLINOIS
BEHOLDEN	HIBBING	WISCONSIN	WISCONSIN
NL 15-1	NL 15-2	NL 15-3	NL 15-4
NL 15-4	NL 15-5	NL 15-6	NL 15-7
NL 15-7	NL 15-8	NL 15-9	NL 15-10
NL 15-10	NL 15-11	NL 15-12	NL 15-13
NL 15-13	NL 15-14	NL 15-15	NL 15-16
NL 15-16	NL 15-17	NL 15-18	NL 15-19
NL 15-19	NL 15-20	NL 15-21	NL 15-22
NL 15-22	NL 15-23	NL 15-24	NL 15-25
NL 15-25	NL 15-26	NL 15-27	NL 15-28
NL 15-28	NL 15-29	NL 15-30	NL 15-31
NL 15-31	NL 15-32	NL 15-33	NL 15-34
NL 15-34	NL 15-35	NL 15-36	NL 15-37

**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**

15T

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

**SAMPLE POINT: FORT ARTHUR**

WA	XA	YA	XA
WV	XV	YV	4
			3

**IGNORE THE SMALLER figures of any grid number; there are for finding the full coordinates. Use ONLY THE LARGER figures of the grid number.**

**SAMPLE REFERENCE**

15T4832

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