

PRODUCED BY THE U.S. GEOLOGICAL SURVEY
 Base map prepared by the Defense Mapping Agency by photogrammetric methods and from National Topographic Series, 1:250,000-scale Canada Department of Mines and Resources, Sheet 52-C. Field checked 1954. Revised by the U.S. Geological Survey from aerial photographs taken 1974, 1976 and 1977 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 Minnesota coordinate system, north zone, 1927 North American Datum. To place on the predicted North American Datum 1983 move the projection lines 5 meters north and 14 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
- 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
- Route markers: Interstate, U.S., State

RAILROADS

- Single track Double or Multiple track
- Normal gauge
- Narrow gauge
- Landplane airport
- Landing area
- Seaplane airport
- Seaplane anchorage
- Park or reservation
- Mine
- Landmark: School; Church; Other, 1 1/2
- Spot elevation in feet
- Marsh or swamp
- Intermittent or dry stream
- Power line

BOUNDARIES

- International
- State
- County
- Park or reservation

WATER

- Woods-brushwood

Scale 1:250,000

0 5 10 15 20 25 30 Statute Miles

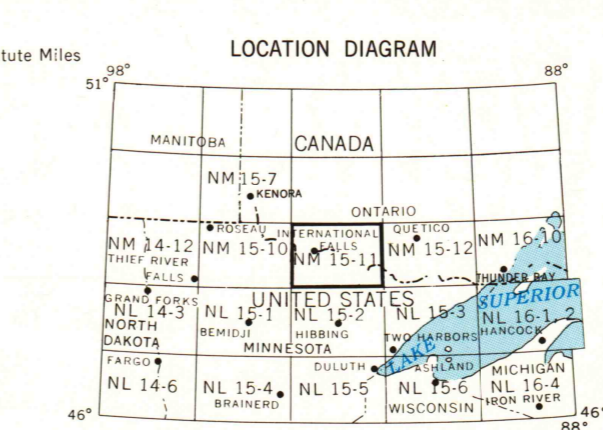
0 5 10 15 20 25 30 Kilometers

0 5 10 15 20 25 30 Nautical Miles

CONTOUR INTERVAL 50 FEET

1980 MEAN SEA LEVEL DECLINATION FROM TRUE NORTH VARIES FROM 4° (70 MILES) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 2° (40 MILES) WESTERLY FOR THE CENTER OF THE EAST EDGE

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

15U

100,000 M. SQUARE IDENTIFICATION

VE	WE	VD	WD
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TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 1000 METERS

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

2. Locate first VERTICAL grid line to LEFT of point and read LABEL figure labeling the line within the top or bottom margin, or on the line itself.

3. Locate first HORIZONTAL grid line to point: Estimate tenths from grid line to point; line within the left or right margin, or on the line itself.

4. Estimate tenths from grid line to point: Estimate tenths from grid line to point; line within the left or right margin, or on the line itself.

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INTERNATIONAL FALLS, MINN., U.S., ONT., CAN.

1954

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USGS
 Historical File
 Topographic Division

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