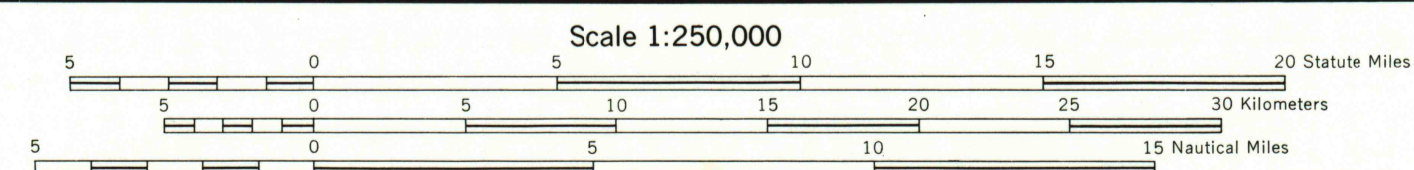


PRODUCED BY THE U. S. GEOLOGICAL SURVEY  
 Base map prepared by Defense Mapping Agency by photogrammetric methods and from 1:24,000 and 1:62,500-scale maps dated 1926-1953. Field checked 1958. Revised by the U. S. Geological Survey from aerial photographs taken 1981 and other source data. Revised information not field checked. Map edited 1983.  
 Selected hydrographic data compiled from NOS charts. This information is not intended for navigational purposes.  
 Transverse Mercator Projection, 10,000-meter Universal Transverse Mercator grid, zone 16. 100,000-foot grid based on Michigan coordinate system, south zone, and based on Illinois coordinate system, east zone, and on Wisconsin coordinate system, south zone, 1927 North American Datum. To place on the predicted North American Datum 1983 move the projection lines 2 meters north and 4 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

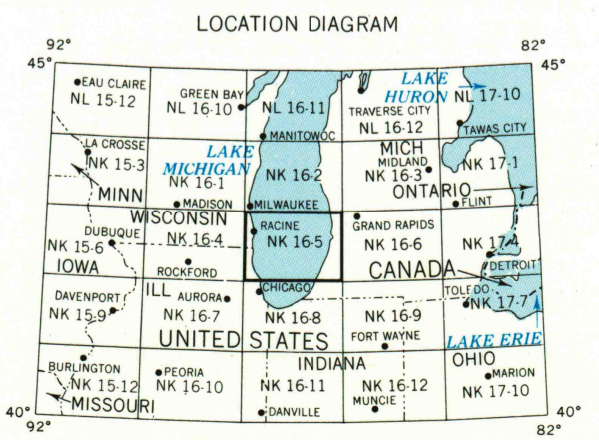
<b>POPULATED PLACES</b> Over 500,000 100,000 to 500,000 25,000 to 100,000 5,000 to 25,000 1,000 to 5,000 less than 1,000	<b>ROADS</b> Primary, all-weather, hard surface Secondary, all-weather, hard surface Light-duty, all-weather, hard or improved surface Fair or dry weather, unimproved surface Trail Interchange Route markers: Interstate, U.S., State	<b>RAILROADS</b> Standard gauge Narrow gauge Single track Double or Multiple track	<b>AIRPORTS</b> Landplane airport Landing area Seaplane airport Power line Park or reservation Landmarks: School, Church, Other Spot elevation in feet	<b>OTHER FEATURES</b> Depth curve in feet Limit of danger: Reef Rocks: Awash Foreshore flat Intermittent or dry stream Marsh or swamp
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**CONTOUR INTERVAL 50 FEET**  
 WITH SUPPLEMENTARY CONTOURS AT 25 FOOT INTERVALS

1983 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 1/4° (9 MILS) WESTERLY FOR THE CENTER OF THE WEST EDGE TO 2 1/4° (44 MILS) WESTERLY FOR THE CENTER OF THE EAST EDGE

FOR SALE BY U. S. GEOLOGICAL SURVEY, 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:** 18T  
 100,000 M. SQUARE IDENTIFICATION

DC	EC	DB	EB
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**TO GIVE A STANDARD REFERENCE TO THIS SHEET TO NEAREST 100 METERS**

1. Read letters identifying 100,000 meter square in which the point lies.  
 2. Locate first vertical grid line to the LEFT of point and read LARGE figure labeling the line either at the top or bottom margin, or on the line itself.  
 3. Estimate tenths from grid line to point.  
 4. Locate first horizontal grid line below point and read LARGE figure labeling the line either at the left or right margin, or on the line itself.  
 5. Estimate hundredths from grid line to point.

**SAMPLE REFERENCE:** 081933  
 If reporting beyond 18" in any direction, refer Grid Zone Designation to: 18T081933

**GRID ZONE DESIGNATION:** 18T  
 TO GIVE A STANDARD REFERENCE TO THIS SHEET TO NEAREST 100 METERS

18T081933

1958  
 REVISED 1983  
 42086-A1-TF-250

7/9/84

RETURN TO:  
 USGS AND HISTORICAL MAP ARCHIVES