



Prepared by the Army Map Service (KCSX), Corps of Engineers, U.S. Army, Washington, D.C. Compiled in 1956 by photogrammetric methods and from USGS and AMS quadrangles, 1:24,000 and 1:25,000, 1953-54; National Topographic Series (Provisional Maps), 1:50,000, Army Survey Establishment, RCE, Canada, 1956; Ontario 1:50,000, 1:63,360 and 1:126,720, Department of National Defense and Department of Mines and Resources, 1939-53, and from U.S. Lake Survey Charts 60, 61, 62, 63, 69 and 704, 1955. Horizontal and vertical control by USGS, USCGS and USCE. Photography field annotated 1954. Limited revision by U.S. Geological Survey 1963.

100,000-foot grid based on Michigan coordinate system, north zone

There may be private inholdings within the boundaries of the National or State reservations shown on this map

LEGEND

ROAD DATA 1954 PARTIALLY REVISED 1993
 Figures in red circles approximate distances in miles between stars

POPULATED PLACES	ROADS	RAILROADS	BOUNDARIES	LANDMARKS
Over 500,000	Hard surface, heavy duty	Single track	International	School; Church; Other
100,000 to 500,000	More than two lanes wide	Standard gauge	State	Limit of danger; Reef
25,000 to 100,000	Two lanes wide; Federal route marker	Narrow gauge	County	Rocks; Shoals; Sunken
5,000 to 25,000	Hard surface, medium duty	Interurban	Park or reservation	Foreshore flat
1,000 to 5,000	More than two lanes wide	Bar Harbor	Spot elevation in feet	Intermittent or dry stream
Less than 1,000	Improved light duty	Trail	Approximate road alignment	Marsh or swamp
	Unimproved dirt			

Scale 1:250,000

0 5 10 15 20 25 30 Statute Miles

0 5 10 15 20 25 30 Kilometers

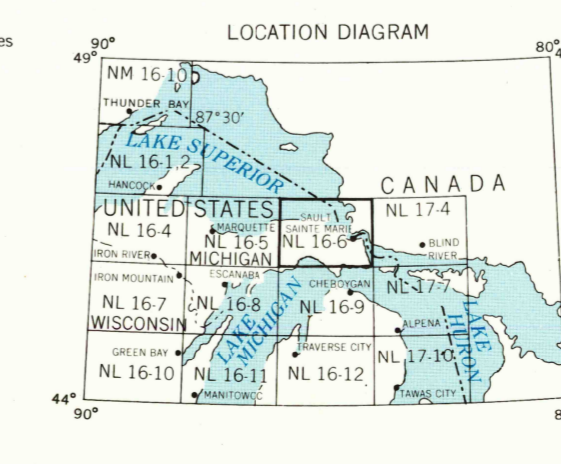
0 5 10 15 20 25 Nautical Miles

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

BLACK NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 16

1960 MAGNETIC DECLINATION FOR THIS SHEET VARIES FROM 30° WESTERLY FOR THE CENTER OF THE WEST EDGE TO 33° WESTERLY FOR THE CENTER OF THE EAST EDGE. MEAN ANNUAL CHANGE IS 0.01" EASTERLY.

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: 16U

TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 100 METERS

100,000 M. SQUARE IDENTIFICATION

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

2. Locate first 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. Locate first HORIZONTAL grid line to LEFT of point and read LARGE figure labeling the line either in the left or right margin, or on the line itself.

4. Estimate tenths from grid line to point.

5. Estimate hundredths from grid line to point.

6. Estimate thousandths from grid line to point.

7. If measuring beyond 100 m in any direction, prefix Grid Zone Designation, e.g., 16U160506

SAULT SAINTE MARIE, MICH., U.S.; ONT., CAN.

USGS 1954

Historical File LIMITED REVISION 1963

Topographic Division