



Prepared by the Army Map Service (KCSX), Corps of Engineers, U. S. Army, Washington, D. C. Compiled in 1957 by photogrammetric methods and from United States quadrangles, 1:50,000 and 1:62,500, 1955-56; U. S. Lake Survey Charts, 1955. Horizontal and vertical control by USGS and USCG & GS. Map field checked 1958. Limited revision by U. S. Geological Survey 1965 and 1984. 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 PARTIALLY REVISED 1968 AND 1984
Figures in red denote approximate distances in miles between stars

POPULATED PLACES

| | |
|--------------------|-------------------|
| Over 500,000 | Large circle |
| 100,000 to 500,000 | Medium circle |
| 25,000 to 100,000 | Small circle |
| 5,000 to 25,000 | Very small circle |
| 1,000 to 5,000 | Small square |
| Less than 1,000 | Very small square |

RAILROADS

| | |
|--------------------------|--------------------|
| Standard gauge | Double line |
| Narrow gauge | Single line |
| International | Single line |
| State | Single line |
| County | Single line |
| Park or reservation | Single line |
| Horizontal control point | Circle with cross |
| Spot elevation in feet | Circle with number |

BOUNDARIES

| | |
|--------------------------|--------------------|
| International | Thick dashed line |
| State | Thin dashed line |
| County | Dotted line |
| Park or reservation | Thin solid line |
| Horizontal control point | Circle with cross |
| Spot elevation in feet | Circle with number |

ROADS

| | |
|--|----------------------------------|
| Hand surface, heavy duty | Thick solid line |
| Two surface wide, Federal route marker | Thin solid line with red numbers |
| Hand surface, medium duty | Thin solid line |
| More than two lanes wide | Thin solid line with red numbers |
| Two lanes wide, State route marker | Thin solid line with red numbers |
| Improved light duty | Thin solid line |
| Unimproved dirt | Thin solid line |

LANDMARKS: School, Church, Other

| | |
|----------------------------------|--------------------|
| Depth curve in feet | Circle with number |
| Limit of danger, Reef | Circle with number |
| Rocks, Acaah, Sunken | Circle with number |
| Foreshore flat | Circle with number |
| Intermittent or dry stream | Circle with number |
| Unimproved dirt | Circle with number |
| Landmarks: School, Church, Other | Circle with number |
| Depth curve in feet | Circle with number |
| Limit of danger, Reef | Circle with number |
| Rocks, Acaah, Sunken | Circle with number |
| Foreshore flat | Circle with number |
| Intermittent or dry stream | Circle with number |
| Unimproved dirt | Circle with number |
| Landmarks: School, Church, Other | Circle with number |

Other symbols: Landing area, Seaplane airport, Seaplane anchorage, Woods/bushwood, Marsh or swamp, Approximate road alignment, Fossil

Scale 1:250,000

0 5 10 15 20 25 30 Statute Miles

0 5 10 15 20 25 30 Kilometers

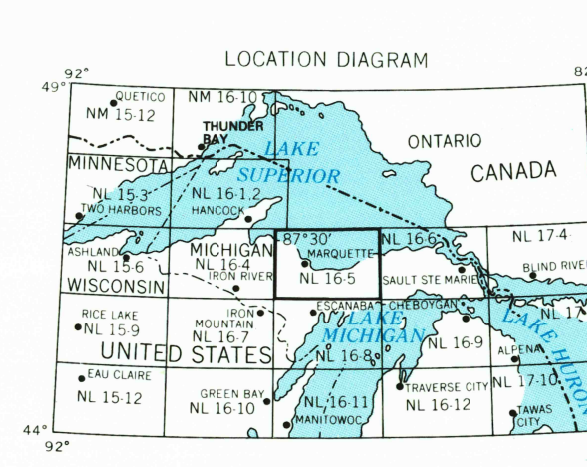
0 5 10 15 20 25 30 Nautical Miles

CONTOUR INTERVAL 50 FEET
WITH SUPPLEMENTARY CONTOURS AT 25 FOOT INTERVALS

TRANSVERSE MERCATOR PROJECTION

BLACK NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 16
1984 MAGNETIC DECLINATION FROM TRUE NORTH FOR THIS SHEET VARIES FROM 11° 12' (27 MILES) WESTERLY FOR THE CENTER OF THE WEST EDGE TO 4° 07' (71 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

16T

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

SAMPLE POINT: DEERTON

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 LARGE figure labeling the line either in the top or bottom margin, or on the line itself.
3. Locate first horizontal grid line below point and read LARGE figure labeling the line either in the left or right margin, or on the line itself.
4. Estimate meters from grid line to point.
5. Estimate meters from grid line to point.

SAMPLE REFERENCE: 51 00000

IF REPORTING BEYOND 10' IN ANY DIRECTION, prefix Grid Zone Designation, e.g., 16T09N64E

MARQUETTE, MICHIGAN
LIMITED REVISION 1968 AND 1984

USGS AND HISTORICAL MAP
NOV 21 1989
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