

PRODUCED BY THE U. S. GEOLOGICAL SURVEY  
 Base map prepared by Defense Mapping Agency by photogrammetric methods. Field checked 1955. Revised by the U. S. Geological Survey from aerial photographs taken 1979 and other source data. Revised information not field checked. Map dated 1981.  
 Selected hydrographic data 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 ticks based on Michigan coordinate system, central and north zones, 1927 North American Datum. To place on the predicted North American Datum 1983, move the projection lines 3 meters north and 2 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  
 Less than 5,000

**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

**RAILROADS**  
 Standard gauge  
 Narrow gauge

**BOUNDARIES**  
 International  
 State  
 County  
 Park or reservation  
 Mine

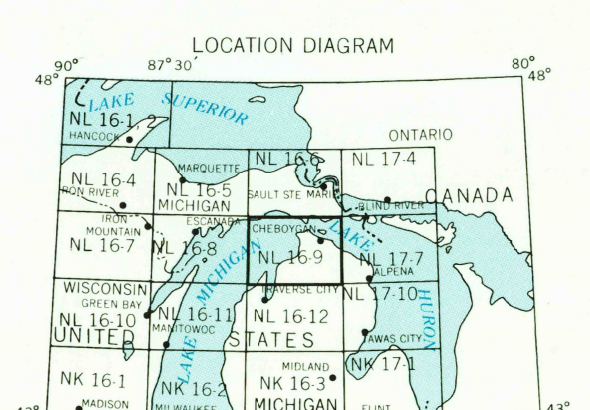
**Spot elevation in feet**

**Other Symbols:**  
 Fishkill  
 Landplane airport  
 Landing area  
 Seaplane anchorage  
 Orchard  
 Power line  
 Woods-brushwood  
 Landmark: School, Church, Other  
 Depth curve in feet  
 Limit of danger, Reef  
 Rocks: Awash, Sunken  
 Foreshore flat  
 Intermittent or dry stream  
 Marsh or swamp

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

1981 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 3 1/2° (60 MILS) WESTERLY FOR THE CENTER OF THE WEST EDGE TO 6° (1100 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**  
 EF FF EF

**TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 1000 METERS**  
 SAMPLE POINT: BELLEVILLE

**1. Read letters describing 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.  
 Estimate tenths from grid line to point.

**SAMPLE REFERENCE:**  
 If reporting distance in any direction, prefix Grid Zone Designation, as example: 4990000

**CHEBOYGAN, MICHIGAN**  
 1955  
 REVISED 1981