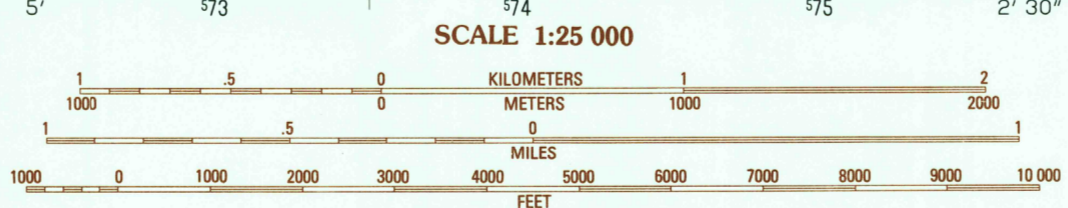


PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY  
CONTROL BY USGS AND NOS/NOAA  
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN 1977  
FIELD CHECKED 1979. MAP EDITED 1983  
PROJECTION UNIVERSAL TRANSVERSE MERCATOR  
GRID: 1000-METER UNIVERSAL TRANSVERSE MERCATOR  
ZONE 16  
10,000-FOOT STATE GRID TICKS MICHIGAN, CENTRAL ZONE  
UTM GRID DECLINATION 0°46' EAST  
1983 MAGNETIC NORTH DECLINATION 3°00' WEST  
VERTICAL DATUM NATIONAL GEODETIC VERTICAL DATUM OF 1929  
HORIZONTAL DATUM 1927 NORTH AMERICAN DATUM  
To place on the predicted North American Datum of 1983  
move the projection lines as shown by dashed corner ticks  
(3 meters north and 3 meters east)  
There may be private inholdings within the boundaries of any  
Federal and State reservations shown on this map

**PROVISIONAL MAP**  
Produced from original  
manuscript drawings. Infor-  
mation shown as of date of  
field check.



SCALE 1:25 000  
CONTOUR INTERVAL 5 METERS  
SUPPLEMENTAL CONTOUR INTERVAL 1.5 METERS ALONG SHORELINE  
CONTROL ELEVATIONS SHOWN TO THE NEAREST 0.1 METER  
OTHER ELEVATIONS SHOWN TO THE NEAREST METER  
To convert meters to feet multiply by 3.2808  
To convert feet to meters multiply by .3048

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092  
AND THE GEOLOGICAL SURVEY DIVISION  
MICHIGAN DEPARTMENT OF NATURAL RESOURCES, LANSING, MICHIGAN 48909



ADJOINING 7.5 QUADRANGLE NAMES  
CONTOURS AND ELEVATIONS  
IN METERS

1	South Manitou Island
2	Glen Haven
3	Glen Arbor
4	Empire
5	Burdickville
6	
7	
8	

ROAD LEGEND  
Improved Road  
Unimproved Road  
Trail  
Interstate Route  
U.S. Route  
State Route

GLEN HAVEN, MICHIGAN  
PROVISIONAL EDITION 1983

44066-H1-TM-025

RETURN TO:  
USGS AND HISTORICAL MAP ARCHIVES