



PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY  
CONTROL BY . . . . . USGS AND NOS/NOAA  
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN . . . . . 1980  
FIELD CHECKED . . . . . 1982 MAP EDITED . . . . . 1984  
PROJECTION . . . . . UNIVERSAL TRANSVERSE MERCATOR  
GRID . . . . . 1000-METER UNIVERSAL TRANSVERSE MERCATOR . . . . . ZONE 16  
100000-FOOT STATE GRID TICKS . . . . . MICHIGAN, NORTH ZONE  
UTM GRID DECLINATION . . . . . 0° 41' WEST  
1984 MAGNETIC NORTH DECLINATION . . . . . 2° 30' 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  
(7 meters north and 8 meters east)  
There may be private inholdings within the boundaries of any  
Federal and State Reservations shown on this map.  
No distinction made between houses, barns, and other buildings

**PROVISIONAL MAP**  
Produced from original  
manuscript drawings. Informa-  
tion shown as of date of  
photography. 1



CONTOUR INTERVAL 5 METERS  
184.5 METER SUPPLEMENTARY CONTOUR ALONG SHORELINE  
CONTROL AND FIELD ESTABLISHED 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 0.3048  
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092  
AND GEOLOGICAL SURVEY DIVISION  
MICHIGAN DEPARTMENT OF NATURAL RESOURCES, LANSING, MICHIGAN 48909

1	2	3	4
5	6	7	8

ADJOINING 7.5' QUADRANGLE NAMES

CONTOURS AND ELEVATIONS IN METERS  
ROAD LEGEND  
Improved Road . . . . .  
Unimproved Road . . . . .  
Trail . . . . .  
Interstate Route U.S. Route State Route

HOWE LAKE, MICHIGAN  
PROVISIONAL EDITION 1984

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