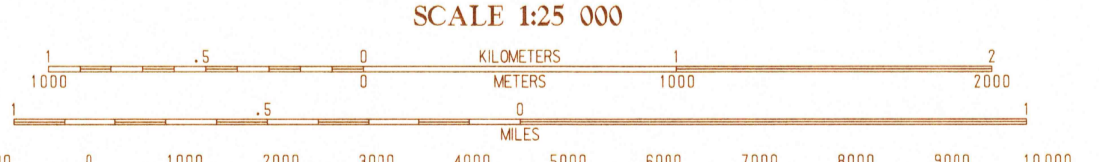


PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY  
CONTROL BY: U.S. AND NOS/NOAA  
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN: 1981  
FIELD CHECKED: 1981. MAP EDITED: 1983  
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
GRID: 30-METER UNIVERSAL TRANSVERSE MERCATOR  
1000-FOOT STATE GRID TICKS: MICHIGAN, CENTRAL ZONE  
UTM GRID DECLINATION: 1983 NORTH AMERICAN DATUM  
1983 MAGNETIC NORTH DECLINATION: 4°W 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  
(2 meters north and 1 meter 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.



CONTOUR INTERVAL 3 METERS  
CONTROL AND FIELD ESTABLISHED ELEVATIONS SHOWN TO THE NEAREST 0.1 METER  
OTHER ELEVATIONS SHOWN TO THE NEAREST 0.5 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

QUADRANGLE LOCATION

|    |    |    |                |
|----|----|----|----------------|
| 1  | 2  | 3  | Walton         |
| 4  | 5  | 6  | Hie Lake       |
| 7  | 8  | 9  | Smithville     |
| 10 | 11 | 12 | Manton         |
| 13 | 14 | 15 | More           |
| 16 | 17 | 18 | Cadillac North |
| 19 | 20 | 21 | Jenning        |
| 22 | 23 | 24 | Lake City      |

ADJOINING 7.5' QUADRANGLE NAMES  
CONTOURS AND ELEVATIONS  
IN METERS

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

ARLENE, MICHIGAN  
PROVISIONAL EDITION 1983  
44085-D3-TM-025

RETURN TO:  
USGS NHD HISTORICAL MAP ARCHIVES