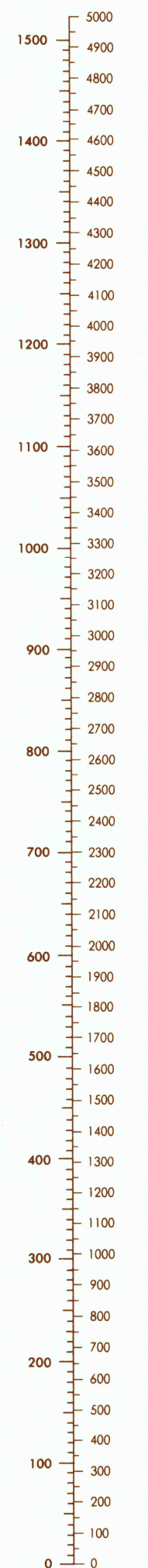
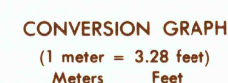


TWIN LAKE QUADRANGLE
MICHIGAN-MUSKEGON CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



Meters	Feet
1	3.2808
2	6.5617
3	9.8425
4	13.1234
5	16.4042
6	19.6850
7	22.9659
8	26.2467
9	29.5276
10	32.8084

EXAMPLE: Convert 479 meters

$$\begin{array}{r} 479 = 400 + 70 + 9 \\ 400m = 1312.3ft \\ 70m = 229.7ft \\ + 9m = + 29.5ft \\ 479m = 1571.5ft \end{array}$$

USGS NMD RESEARCH
DEC 18 1985
REFERENCE COLLECTION

RETURN TO:
NMD HISTORICAL MAP ARCHIVES
USGS NATIONAL CENTER, MS-522
RESTON, VA 22092

PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTROL BY USGS AND NOS/NOAA
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN 1980-81
FIELD CHECKED 1981. MAP EDITED 1985
PROJECTION UNIVERSAL TRANSVERSE MERCATOR
GRID ZONE 16
10,000-FOOT STATE GRID TICKS MICHIGAN, SOUTH ZONE
UTM GRID DECLINATION 03°30' EAST
1984 MAGNETIC NORTH DECLINATION 23° WEST
VERTICAL DATUM NATIONAL GEODETIC DATUM OF 1983
HORIZONTAL DATUM 1983 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 2 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. Informa-
tion shown as of date of
field check. 2

SCALE 1:24 000

1 0.5 0 1 2
1000 0 1000 2000
KILOMETERS

1 0.5 0 1
1000 0 1000 2000
METERS

1 0.5 0 1
1000 0 1000 2000
MILES

CONTOUR INTERVAL 3 METERS
SUPPLEMENTARY CONTOUR INTERVAL 15 METERS
CONTROL AND FIELD ESTABLISHED ELEVATIONS SHOWN TO THE NEAREST 0.1 METER
OTHER ELEVATIONS SHOWN TO THE NEAREST 0.5 METER

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 48905

CONTOURS AND ELEVATIONS IN METERS

ROAD LEGEND

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

TWIN LAKE, MICHIGAN
PROVISIONAL EDITION 1985

43086-C2-TM-024

QUADRANGLE LOCATION

1	2	3	1 Montague
			2 Big Blue Lake
4		5	3 Holton
			4 Dalton
			5 Wolf Lake
			6 Muskegon West
6	7	8	7 Muskegon East
			8 Sullivan

ADJOINING 7.5' QUADRANGLE NAME