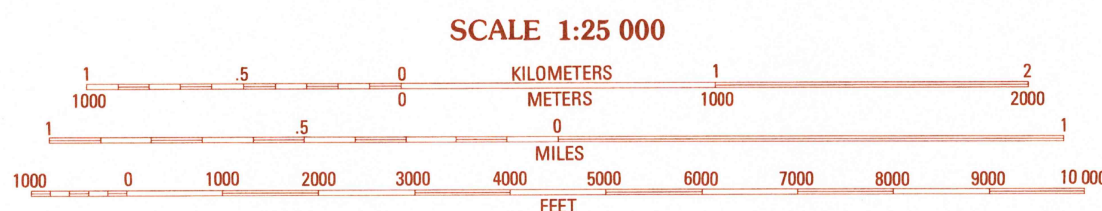


PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY  
CONTROL BY USGS AND NOS/NOAA  
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN 1978  
FIELD CHECKED 1981 MAP EDITED 1983  
PROJECTION UNIVERSAL TRANSVERSE MERCATOR  
GRID 1000-METER UNIVERSAL TRANSVERSE MERCATOR  
10,000-FOOT STATE GRID TICKS MICHIGAN CENTRAL ZONE  
UTM GRID DECLINATION 171° EAST  
1983 MAGNETIC NORTH DECLINATION 4°00' WEST  
VERTICAL DATUM NATIONAL GEODETIC VERTICAL DATUM OF 1985  
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 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  
SUPPLEMENTARY CONTOUR INTERVAL 1.5 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 .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

QUADRANGLE LOCATION

1	2	3	1 Elk Rapids
2	3	4	2 Aiden
3	4	5	3 Bellaire
4	5	6	4 Williamsburg
5	6	7	5 Leetsville
6	7	8	6 Jacks Landing
			7 South Boardman
			8 Kalkaska

ADJOINING 7.5 QUADRANGLE NAMES  
CONTOURS AND ELEVATIONS  
IN METERS

ROAD LEGEND

Improved Road .....  
Unimproved Road .....  
Trail .....

○ Interstate Route ○ U.S. Route ○ State Route

TORCH RIVER, MICHIGAN  
PROVISIONAL EDITION 1983

44085-G3-TM-025

RETURN TO:  
USGS AND HISTORICAL MAP ARCHIVES