



PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTROL BY USGS AND NOS/NOAA
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN 1976
FIELD CHECKED 1978. MAP EDITED 1982
PROJECTION LAMBERT CONFORMAL CONIC
GRID 1000-METER UNIVERSAL TRANSVERSE MERCATOR ZONE 16
10,000-FOOT STATE GRID TICKS MICHIGAN, NORTH ZONE
UTM GRID DECLINATION 11°19' WEST
1982 MAGNETIC NORTH DECLINATION 0°39' 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
(6 meters north and 9 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
1 5 0 5 10 KILOMETERS
1 5 0 5 10 METERS
1 1000 2000 3000 4000 5000 6000 7000 8000 9000 10 000 MILES
CONTOUR INTERVAL 5 METERS
SUPPLEMENTARY CONTOUR INTERVAL 2.5 METERS
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

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

QUADRANGLE LOCATION

1	2	3	1 Rousseau
			2 Vista Falls
			3 Prickett Lake
4		5	4 Sparrow Rapids
			5 Sidnaw
			6 Kenton
6	7	8	7 Glitter Lake
			8 Marten Lake

ADJOINING 7.5' QUADRANGLE NAMES
CONTOURS AND ELEVATIONS
IN METERS

ECHO LAKE, MICHIGAN
PROVISIONAL EDITION 1982
46088-E7-TM-025

MAR 2-J 1983

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