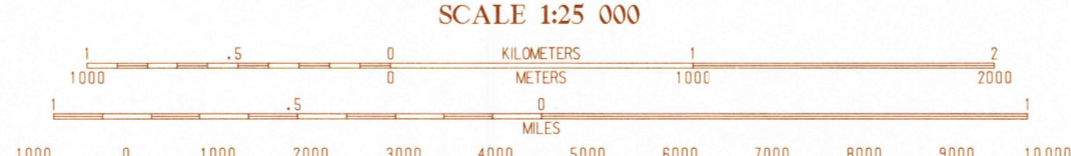


PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY  
CONTROL BY: USGS AND NORS/NOAA  
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN  
FIELD CHECKED: 1981. MAP EDITED: 1983  
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
GRID: 100-METER UNIVERSAL TRANSVERSE MERCATOR  
1000-FOOT STATE GRID TICS: MICHIGAN, CENTRAL ZONE  
UTM GRID DECLINATION: 1.17° EAST  
1983 MAGNETIC NORTH DECLINATION: 4.30° WEST  
VERTICAL DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929  
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  
(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.  
Gray tint indicates area in which selected buildings are shown

**PROVISIONAL MAP**  
Produced from original  
manuscript drawings. Information  
shown as of date of  
field check.



CONTOUR INTERVAL 5 METERS  
SUPPLEMENTAL CONTOUR INTERVAL 1.5 METERS 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

QUADRANGLE LOCATION

1	2	3	1	Charlevoix
2	3	4	2	Ironston
3	4	5	3	Bay Shore
4	5	6	4	Atwood
5	6	7	5	Bonne City
6	7	8	6	Central Lake
			7	Scotts Lake
			8	Chenotonia

ADJOINING 7.5' QUADRANGLE NAMES  
CONTOURS AND ELEVATIONS  
IN METERS

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

ELLSWORTH, MICHIGAN  
PROVISIONAL EDITION 1983  
45085-B2/TM-025

USGS AND HISTORICAL  
MAP ARCHIVES  
APR 24 1995  
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