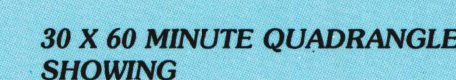
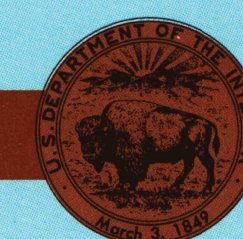


**1:100 000-scale *metric*
topographic map**



- Contours and elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names



GEOLOGICAL SURVEY

1984
PHOTOINSPECTED 1988

Produced by the United States Geological Survey
Compiled from USGS 1:62 500-scale topographic maps
dated 1956 and 1960. Planimetry revised from aerial photographs
taken 1981 and other source data. Revised information not
field checked. Map edited 1984

Projection and 10 000-meter grid, zone 16,
Universal Transverse Mercator
25 000-foot grid ticks based on Wisconsin coordinate system,
central zone, and Michigan coordinate system, central
and north zones

1927 North American Datum
To place on the predicted North American Datum 1983, move the projection lines 4 meters north and 4 meters east

There may be private inholdings within the boundaries of the National or State reservations shown on this map.

Map photoinspected using 1986-88 photographs
No major culture or drainage changes found

CONTOUR INTERVAL 10 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 19
ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS										
Meters	Feet			<table> <tr> <td>1</td> <td>2</td> <td>3</td> </tr> <tr> <td>4</td> <td>5</td> <td></td> </tr> <tr> <td>6</td> <td>7</td> <td>8</td> </tr> </table>		1	2	3	4	5		6	7	8
1	2					3								
4	5													
6	7					8								
2	3.2808													
3	6.5617													
4	9.8425													
5	13.1234													
6	16.4042													
7	19.6850													
8	22.9658													
9	26.2467													
10	29.5276													
11	32.8084	1 Escabene 2 Manitowish 3 Beaver Island 4 Marinette 5 Charlevoix 6 Sturgeon Bay 7 Crystal Lake 8 Traverse City												
To convert meters to feet multiply by 3.2808														
To convert feet to meters multiply by 0.3048														

FOR SALE BY U. S. GEOLOGICAL SURVEY
DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

ARTHUR H. ROBINSON MAP LIBRARY
University of Wisconsin-Madison

JUL 22 1993

Topographic Map Symbols

Primary highway, hard surface

Secondary highway, hard surface

Light duty road, principal street, hard or improved surface

Other road or street; trail

Road marker: Interstate, U.S.; State

Railroad: standard gage, narrow gage

Bridge: overpass; underpass

Tunnel: road; railroad

Built up area; locality; elevation

Airport; landing field; landing strip

National boundary

State boundary

County boundary

National or State reservation boundary

Land grant boundary

U.S. public lands survey: range, township; section

Range, township, section line: protected

Power transmission line; pipeline

Dam; dam with lock

Canal; building

Windmill; water well; spring

Mine shaft; adit or cave; mine; quarry; gravel pit

Campanio; picnic area; U.S. location monument

Ruins; cliff dwelling

Distorted surface: strip mine, lava, sand

Contour: index; intermediate; supplementary

Bathymetric contours: index; intermediate

Stream, lake: perennial; intermittent

Rapids, large and small; falls, large and small

Areas to be submerged; marsh, swamp

Land subject to controlled inundation; woodland

Soil: terraces

Orderly: vineyard

A pamphlet describing topographic maps is available on request

BOOG-9/8

Copy 4 x SET

4-454

