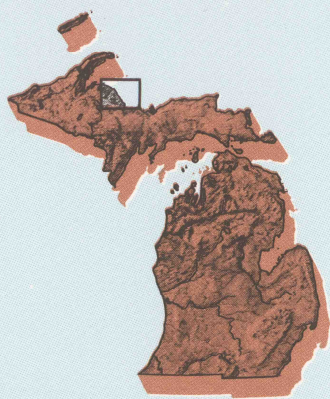




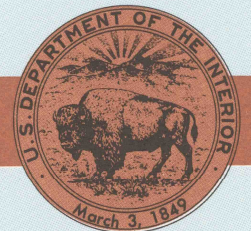
Marquette MICHIGAN

1:100 000-scale metric
topographic map



30 X 60 MINUTE QUADRANGLE
SHOWING

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



GEOLOGICAL SURVEY

1985
PHOTOINSPECTED 1988

Produced by the United States Geological Survey

Compiled from USGS 1:24 000-scale topographic maps dated 1953-1985. Planimetry revised from aerial photographs taken 1981 and other source data. Revised information not field checked. Map edited 1985.

Projection and 10 000-meter grid, zone 16.

Universal Transverse Mercator

25 000-foot grid ticks based on Michigan coordinate system, north zone

1927 North American Datum

To place on the predicted North American Datum 1983, move the projection lines 7 meters north and 7 meters east.

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

Map photoinspected using 1986 and 1988 photographs. No major culture or drainage changes found.

CONTOUR INTERVAL 10 METERS

NATIONAL GEODETIC VERTICAL DATUM OF 1929

ELEVATIONS SHOWN TO THE NEAREST METER

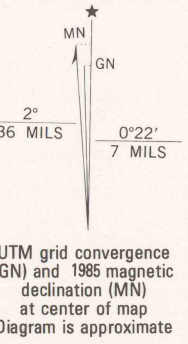
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE

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

To convert meters to feet multiply by 3.2808
To convert feet to meters multiply by 0.3048

DECLINATION DIAGRAM

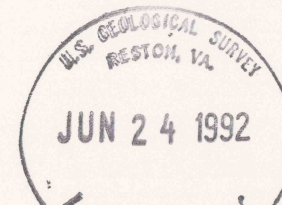


ADJOINING MAPS

1	2	3
4	5	6
7	8	9

1 Hancock
2 Copper Harbor
3
4 L'Anse
5 Au Sable Point
6 Iron River
7 Gwinn
8 Munising

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



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
- Route marker: Interstate, U.S. State
- Railroad: standard gauge, narrow gauge
- 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: protracted
- Power transmission line: pipeline
- Dam, dam with lock
- Cemetery: building
- Windmill; water well; spring
- Mine shaft; adit or cave; mine, quarry; gravel pit
- Campground; picnic area; U.S. location monument
- Ruins; cliff dwelling
- Disturbed surface: strip mine, lava, sand
- Contours: index; intermediate; supplementary
- Bathymetric contours: index; intermediate
- Stream, lake: perennial; intermittent
- Rapids, large and small; falls, large and small
- Area to be submerged; marsh, swam
- Land subject to controlled inundation; woodland
- Scrub; mangrove
- Orchard; vineyard



MARQUETTE, MICHIGAN

46087-E1-TM-100

1985

PHOTOINSPECTED 1988

A pamphlet describing topographic maps is available on request

U.S. Topo 1:100,000
Sheet Marquette, MI c.1