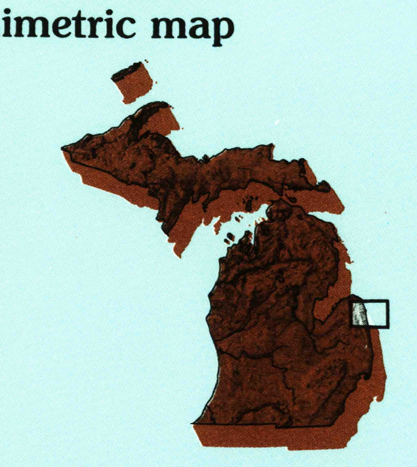
Harbor Beach
MICHIGAN

1:100 000-scale
planimetric map



30 X 60 MINUTE QUADRANGLE SHOWING

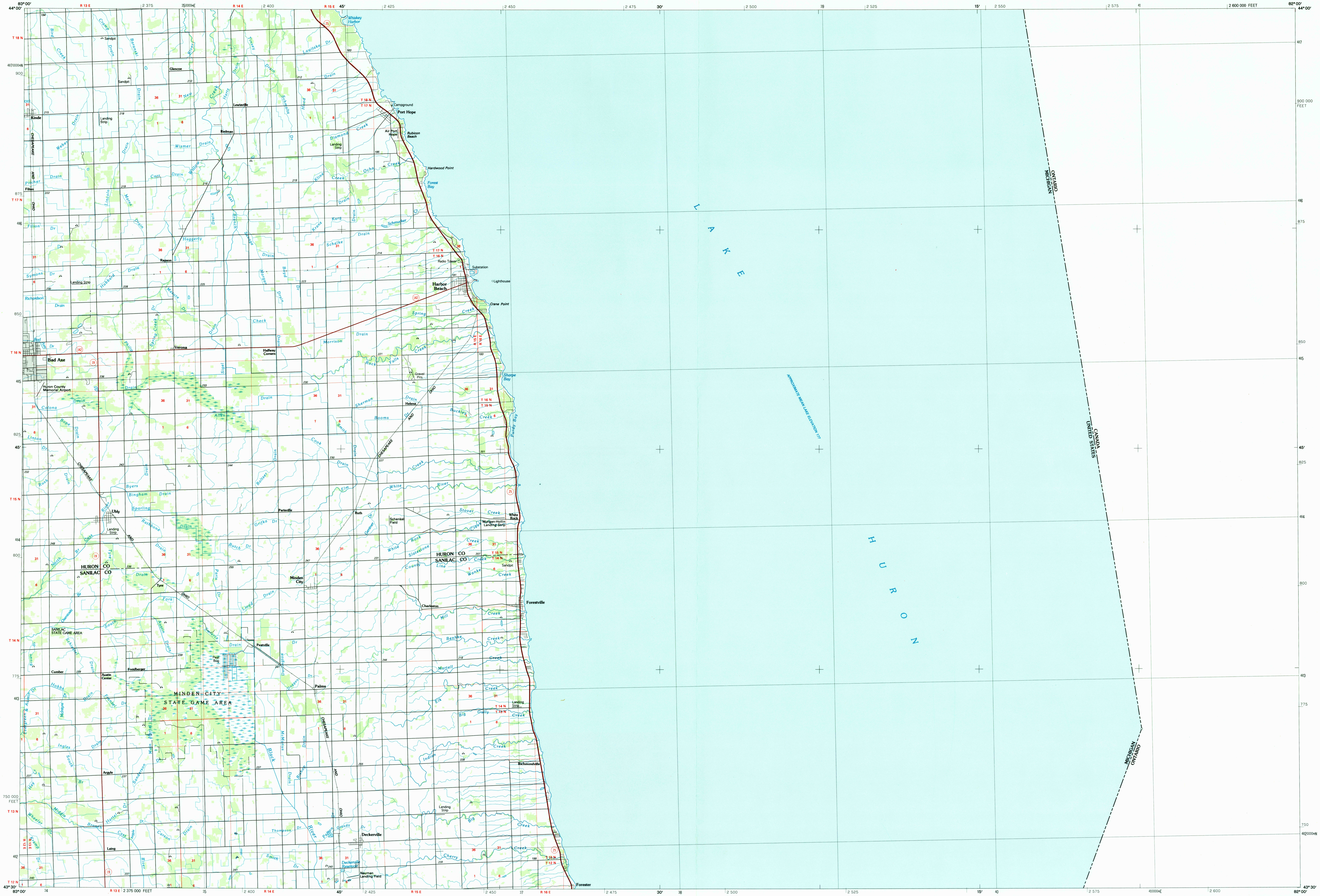
- Elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names

GEOLOGICAL SURVEY

1984

HARBOR BEACH, MICHIGAN

30 X 60 MINUTE SERIES (PLANIMETRIC)


83°00'
44°00'
82°00'
43°30'
45'
30'
15'
R 12 E
R 13 E
R 14 E
R 15 E
R 16 E
T 18 N
T 17 N
T 16 N
T 15 N
T 14 N
T 13 N
T 12 N
2 375
2 375 000 FEET
350000mE
2 400
2 425
2 450
2 475
2 500
2 525
2 550
2 575
2 600 000 FEET
2 600
410000mE
4870000mN
4820000mN
900
900 000 FEET
875
850
825
800
775
750
750 000 FEET
487
486
485
484
483
482
L A K E
H U R O N
APPROXIMATE MEAN LAKE ELEVATION 177
ONTARIO
MICHIGAN
CANADA
UNITED STATES
Whiskey Harbor
Port Hope
Campground
Air Port Hope
Rubicon Beach
Hardwood Point
Forest Bay
Kinde
Glencoe
Sandpit
Lewisville
Redman
Landing Strip
Filion
Rapson
Haggerty
Radio Tower
Substation
Lighthouse
Harbor Beach
Crane Point
Verona
Halfway Corners
Bad Axe
Huron County Memorial Airport
Gravel Pits
Sharpe Bay
Helena
Purdy Bay
Ubly
Parisville
Ruth
Schenkel Field
White Rock
Morgan-Hollin Landing Strip
HURON CO
SANILAC CO
Tyre
Minden City
Charleston
Forestville
SANILAC STATE GAME AREA
Peatville
Peat Bog
Cumber
Austin Center
Freidberger
Palms
MINDEN CITY STATE GAME AREA
Argyle
Richmondville
Laing
Deckerville
Deckerville Reservoir
Nauman Landing Field
Forester
CHESAPEAKE AND OHIO
25
142
19

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1985

SCALE 1:100 000

KILOMETERS 1 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

MILES 1 0 1 2 3 4 5 6 7 8 9 10 11 12 13

1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND

1000 0 5000 10 000 15 000 20 000 METERS

5000 0 10 000 20 000 30 000 40 000 50 000 60 000 70 000 FEET

Produced by the United States Geological Survey

Compiled from USGS 1:24 000-scale topographic maps dated 1963-1970. Planimetry revised from aerial photographs taken 1982 and other source data. Revised information not field checked. Map edited 1984

Projection and 10 000-meter grid, zone 17,
Universal Transverse Mercator
25 000-foot grid ticks based on Michigan coordinate system, south zone
1927 North American Datum
To place on the predicted North American Datum 1983, move the projection lines 1 meter north and 9 meters west

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

NATIONAL GEODETIC VERTICAL DATUM OF 1929
ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

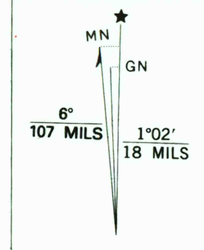
CONVERSION TABLE

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


MN
GN
6°
107 MILS
1°02'
18 MILS

UTM grid convergence (GN) and 1984 magnetic declination (MN) at center of map
Diagram is approximate

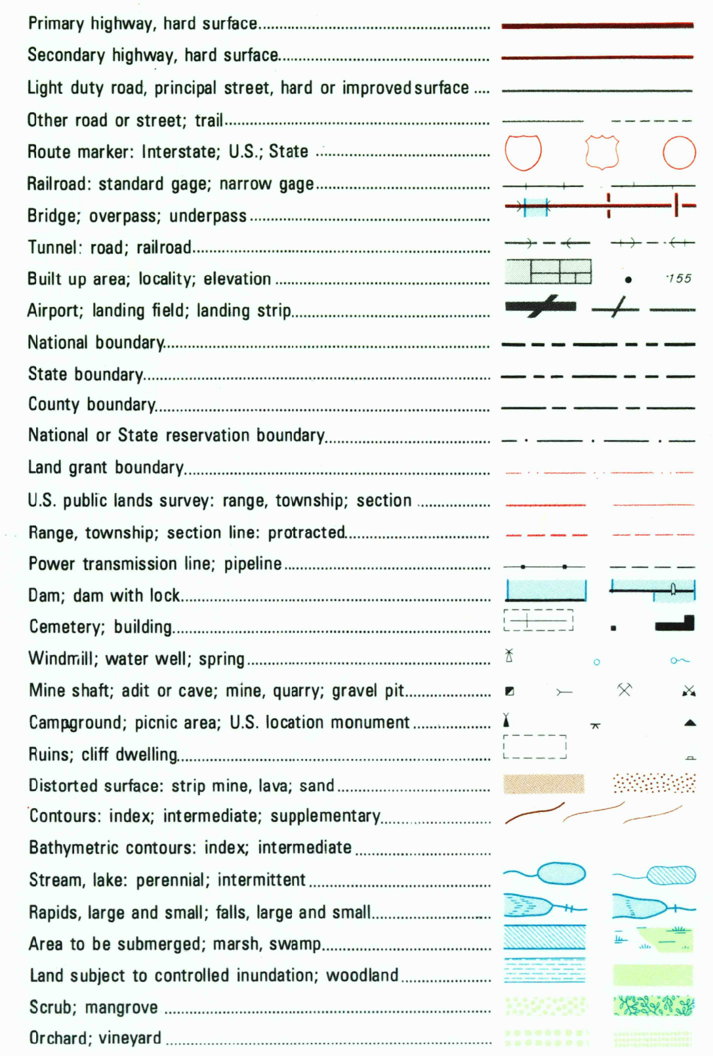
ADJOINING MAPS

1	2	3
4		5
6	7	8

1 Tawas City
2 Pointe aux Barques
3
4 Bay City
5
6 Flint
7 Croswell
8

FOR SALE BY U. S. GEOLOGICAL SURVEY
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 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: 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
Distorted 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, swamp
Land subject to controlled inundation; woodland
Scrub; mangrove
Orchard; vineyard

A pamphlet describing topographic maps is available on request

HARBOR BEACH, MICHIGAN
43082-E1-PL-100
1984

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