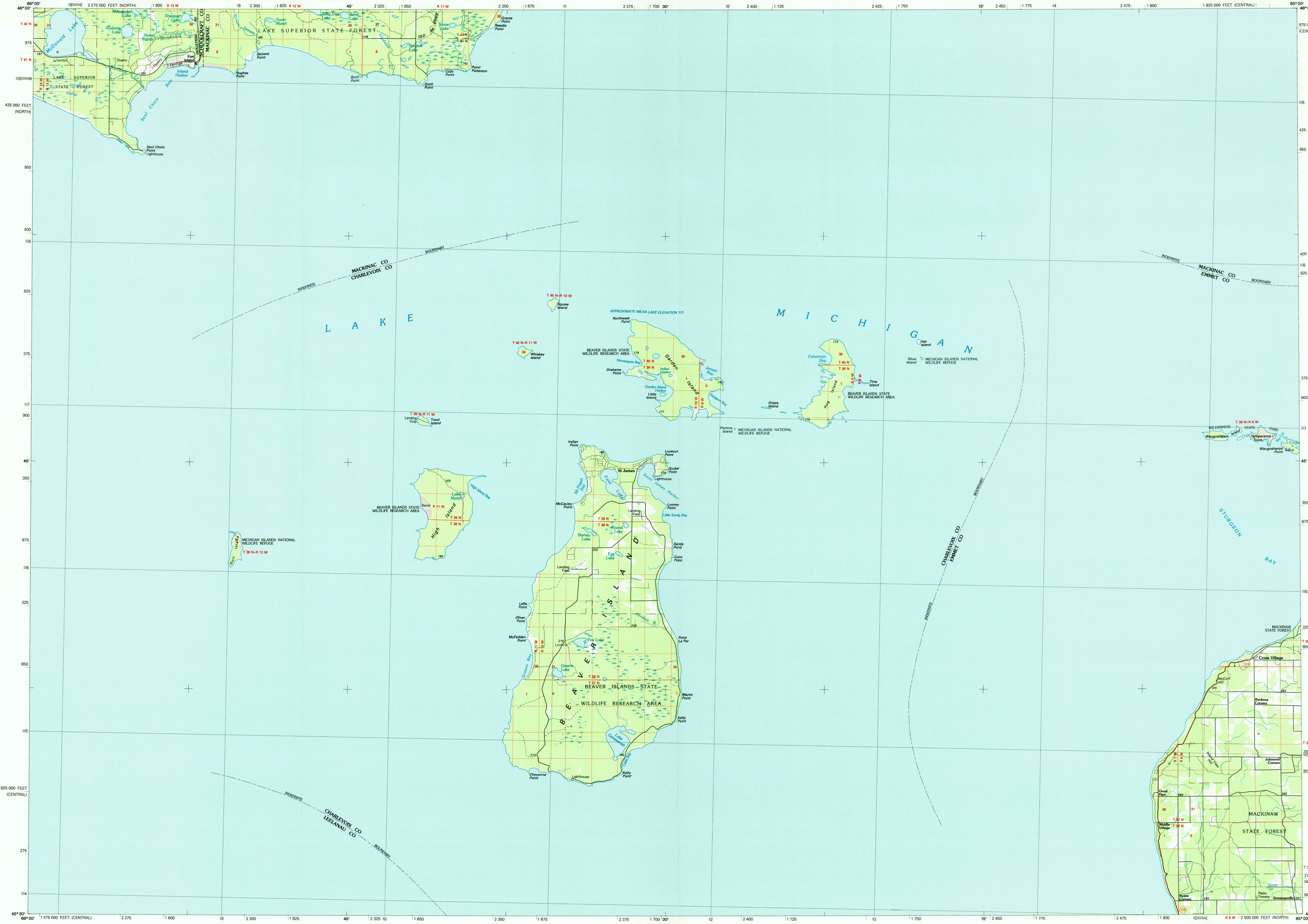
BEAVER ISLAND, MICHIGAN

30 X 60 MINUTE SERIES (PLANIMETRIC)


86° 00'
46° 00'
580000mE
2 275 000 FEET (NORTH)
1 600
R 13 W
59
2 300
1 625
R 12 W
45'
2 325
1 650
R 11 W
2 350
1 675
61
2 375
1 700
30'
62
2 400
1 725
2 425
1 750
15'
2 450
1 775
64
2 475
1 800
1 825 000 FEET (CENTRAL)
85° 00'
46° 00'
975 000 FEET (CENTRAL)
T 42 N
T 41 N
975
5090000mN
425 000 FEET (NORTH)
950
400
508
925
375
507
900
45'
350
875
506
325
850
505
825 000 FEET (CENTRAL)
275
504
45° 30'
86° 00'
1 575 000 FEET (CENTRAL)
2 275
1 600
59
2 300
1 625
45'
2 325
60
1 650
2 350
1 675
2 375
1 700
30'
62
2 400
1 725
63
1 750
15'
2 450
1 775
2 475
1 800
650000mE
R 6 W
2 500 000 FEET (NORTH)
85° 00'
45° 30'
509
425
950
400
508
925
375
900
507
45'
350
875
506
325
T 38 N
850
T 37 N
300
5050000mN
825
T 36 N
275 000 FEET (NORTH)
800
Millecoquins Lake
Shoepac Lake
McDonald Lake
Shuberts Lake
Stone Rapids
Milakokia R
INDUSTRIAL RR
SCHOOLCRAFT CO
MACKINAC CO
Sandpit
Quarry
Quarry
Port Inland
Tailings
Inland Harbor
Bulldog Cr
183
187
LAKE SUPERIOR STATE FOREST
R 14 W
R 13 W
Seul Choix Bay
Seul Choix Point Lighthouse
Swan Marsh
Seiners Cr
186
LAKE SUPERIOR STATE FOREST
Seiners Point
Hughes Point
Batty Doe Lake
Sand Lake
198
Hudson Cr
Birch Point
OLD RR GRADE
Stone Lake
Bruders Lake
T 42 N
T 41 N
182
Scott Point
Cozy Point
Point Patterson
Grants Point
Needle Point
36
31
1
6
MACKINAC CO
CHARLEVOIX CO
BOUNDARY
INDEFINITE
L A K E
M I C H I G A N
T 40 N–R 10 W
Squaw Island
T 40 N–R 11 W
Whiskey Island
APPROXIMATE MEAN LAKE ELEVATION 177
Northwest Point
BEAVER ISLANDS STATE WILDLIFE RESEARCH AREA
179
Ninneegoes Bay
T 40 N
T 39 N
Garden Island
Indian Harbor
Grahams Point
Garden Island Harbor
Little Island
177
Jensen Bay
Sturgeon Bay
R 10 W
R 9 W
Grape Island
Pismire Island
MICHIGAN ISLANDS NATIONAL WILDLIFE REFUGE
Fisherman Bay
Hog Island
R 9 W
R 8 W
Tims Island
BEAVER ISLANDS STATE WILDLIFE RESEARCH AREA
Hat Island
Shoe Island
MICHIGAN ISLANDS NATIONAL WILDLIFE REFUGE
T 39 N–R 11 W
Landing Strip
Trout Island
169
High Island Bay
Lake Maria
Sand
R 11 W
BEAVER ISLANDS STATE WILDLIFE RESEARCH AREA
High Island
T 39 N
T 38 N
180
Gull Island
MICHIGAN ISLANDS NATIONAL WILDLIFE REFUGE
T 38 N–R 12 W
Indian Point
185
Lookout Point
St James
Sucker Point
178
Lighthouse
Mt Pisgah Bay
Font Lake
Saint James Harbor
McCauley Point
Looney Point
Landing Field
Little Sandy Bay
Round Lake
Barney Lake
Sandy Point
Conn Point
202
Egg Lake
Landing Field
BEAVER ISLAND
Lefts Point
Oliver Point
Jordan R
203
McFadden Point
219
Lookout
Fox Lake
Point La Par
R 11 W
R 10 W
Greens Bay
Greens Lake
T 38 N
T 37 N
BEAVER ISLANDS STATE WILDLIFE RESEARCH AREA
Martin Point
Kelty Point
Lake Geneserath
213
182
Cable Bay
Cheyenne Point
Lighthouse
Kelly Point
CHARLEVOIX CO
LEELANAU CO
BOUNDARY
INDEFINITE
CHARLEVOIX CO
EMMET CO
BOUNDARY
INDEFINITE
MACKINAC CO
EMMET CO
BOUNDARY
INDEFINITE
T 39 N–R 6 W
WILDERNESS STATE PARK
Waugoshance Island
Temperance I
Sand
Big Cut
Waugoshance Point
Sand
STURGEON BAY
MACKINAW STATE FOREST
Cross Village
119
McCort Hill
205
253
Beckons Corners
Island View Hill
R 7 W
R 6 W
Johnsons Corners
Good Hart
284
283
36
31
T 37 N
T 36 N
Middle Village
MACKINAW STATE FOREST
Morris Spr
Radio Towers
Stutsmanville
261
Ryans Corners
263
119

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1985

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

SCALE 1:100 000

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

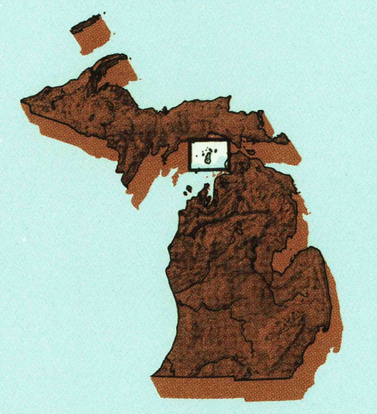
BEAVER ISLAND, MICHIGAN
45085-E1-PL-100
1984

048 B

45085-E1-PL-100

Beaver Island
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

Produced by the United States Geological Survey

Compiled from USGS 1:24 000 and 1:62 500-scale topographic maps dated 1955-1982. 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 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 5 meters east

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

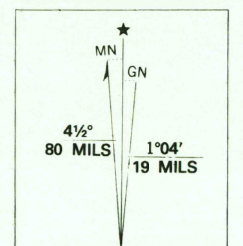
CONVERSION TABLE

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
4½°
80 MILS
1°04'
19 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 Munising
2 Manistique Lake
3 Sault Ste. Marie South
4 Manistique
5 Cheboygan
6 Washington Island
7 Charlevoix
8 Petoskey

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