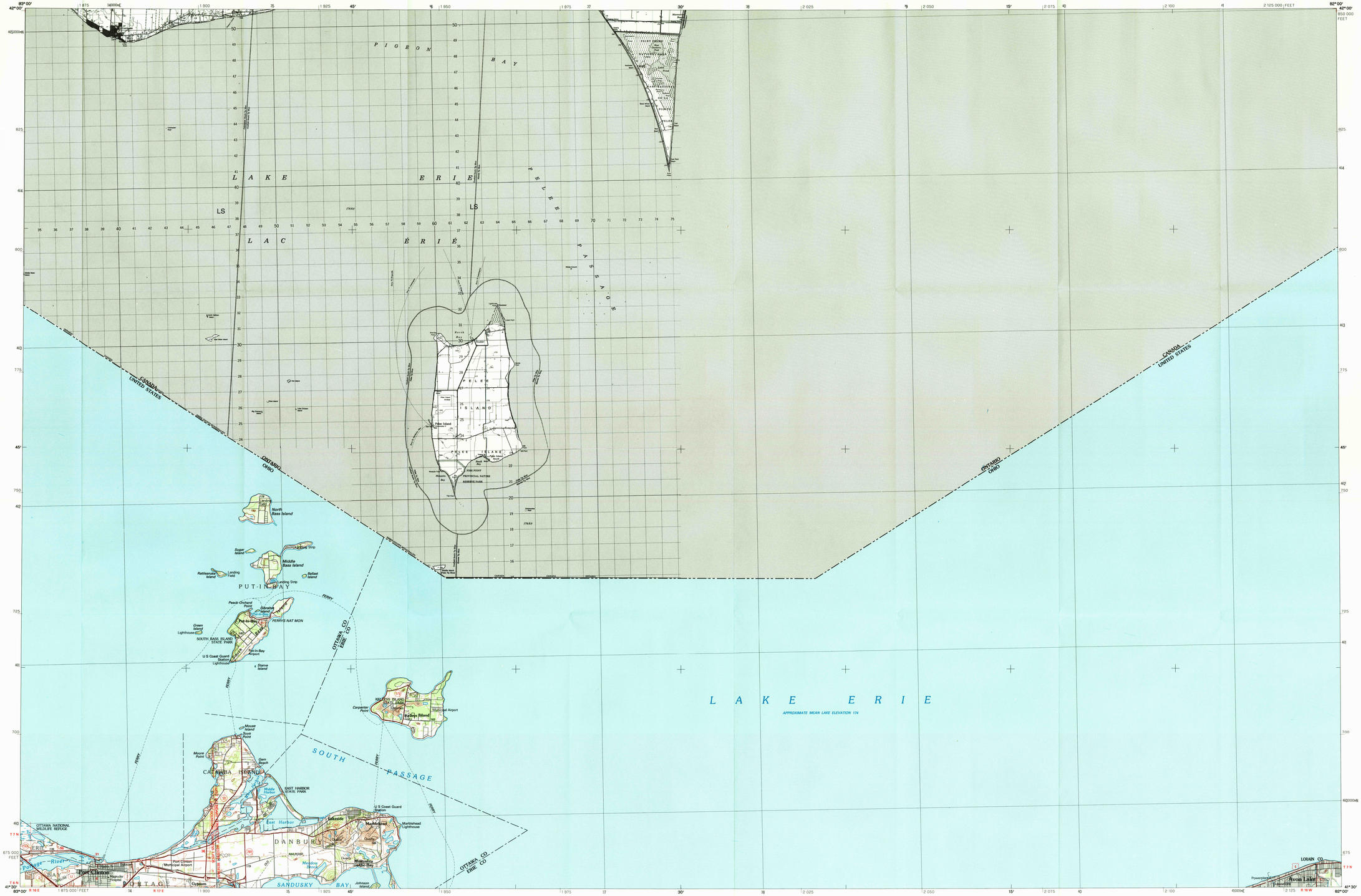
PUT–IN–BAY, OHIO–ONTARIO

30 X 60 MINUTE SERIES (TOPOGRAPHIC)



SCALE 1:100 000

1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND

CONTOUR INTERVAL 5 METERS IN UNITED STATES
CONTOUR INTERVAL 10 METERS IN CANADA
SUPPLEMENTARY CONTOUR INTERVAL 5 METERS

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

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

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1994

PUT–IN–BAY, OHIO–ONTARIO
41082-E1-TM-100
1986
PHOTOINSPECTED 1988

41082-E1-TM-100

Put-In-Bay
OHIO–ONTARIO

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

U. S. GEOLOGICAL SURVEY

1986 /94
PHOTOINSPECTED 1988

Produced by the United States Geological Survey

Compiled from USGS 1:24 000-scale topographic maps dated 1969-1980. Planimetry revised from aerial photographs taken 1983 and other source data. Revised information not field checked. Map edited 1986
Canadian portion copied from Department of Energy, Mines and Resources, 1:50,000-scale topographic maps dated 1986

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1927 North American Datum (NAD 27). Projection and 10 000-meter grid: Universal Transverse Mercator, zone 17
25 000-foot ticks: Ohio coordinate system, north zone

The difference between NAD 27 and North American Datum of 1983 (NAD 83) is too small to show at this scale. The values of the shift between the datums for 7.5-minute intersections are given in USGS Bulletin 1875

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

The U.S. portion of this map photoinspected using 1988 photographs
No major culture or drainage changes found

CONTOUR INTERVAL 5 METERS IN UNITED STATES
CONTOUR INTERVAL 10 METERS IN CANADA
SUPPLEMENTARY CONTOUR INTERVAL 5 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
ELEVATIONS SHOWN TO THE NEAREST METER

THE U.S. PORTION OF 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 3.2809

To convert feet to meters multiply by 0.3048

DECLINATION DIAGRAM

UTM grid convergence (GN) and 1986 magnetic declination (MN) at center of map
Diagram is approximate

ADJOINING MAPS

1	2	3
4		5
6	7	8

1 Detroit
2 Lake St Clair South
3
4 Toledo
5 Cleveland North
6 Findlay
7 Lorain
8 Cleveland South

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 gage; narrow gage
Bridge: overpass; underpass
Tunnel: road; railroad
Built up area; locality; elevation 185
Airport; landing field; landing strip
National boundary
State boundary
County boundary
Civil township 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

RETURN TO:
USGS NKD HISTORICAL MAP ARCHIVES