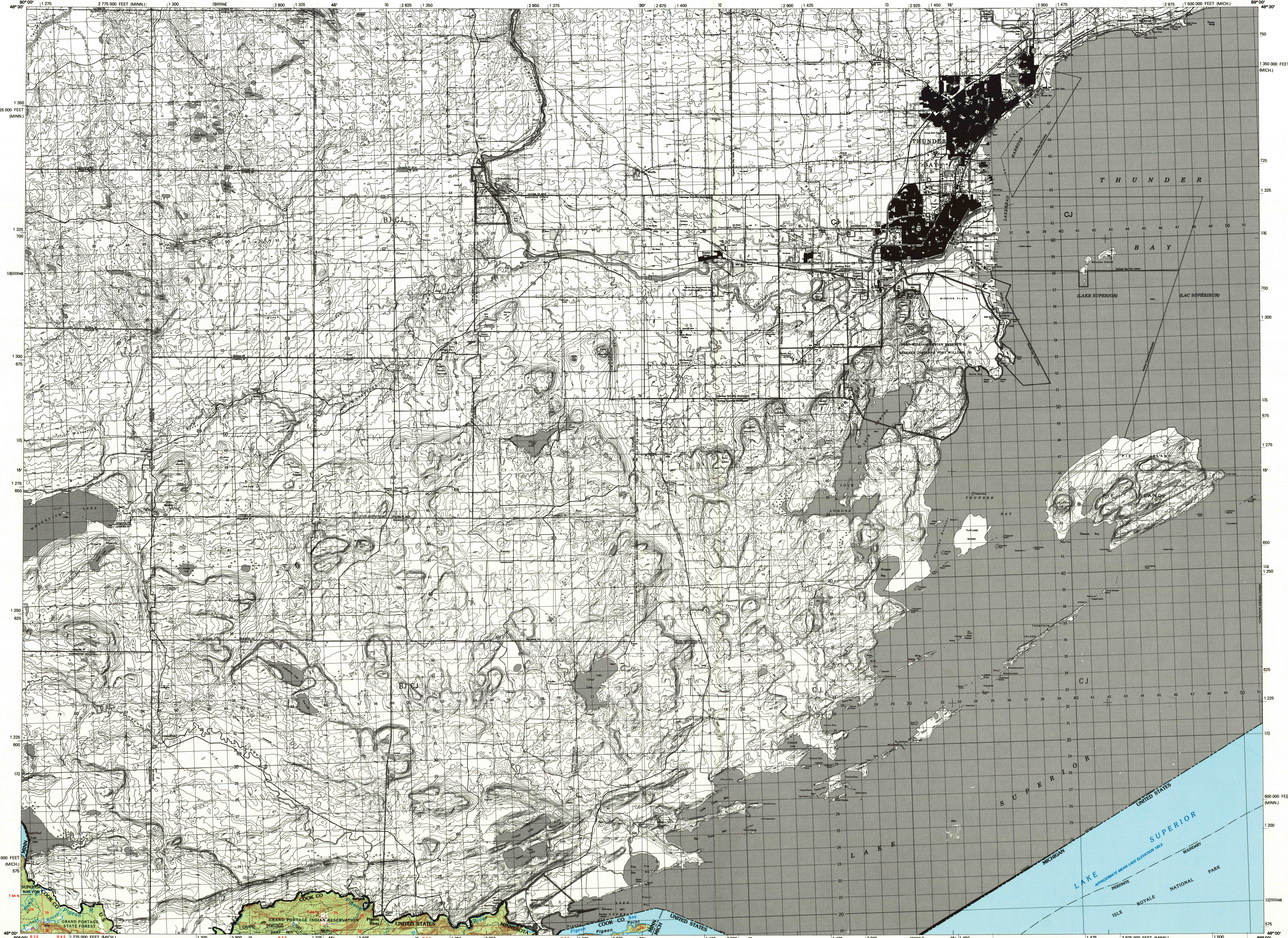
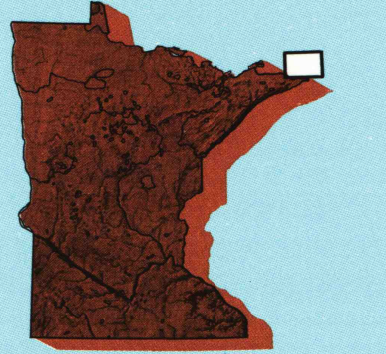




Pigeon Point

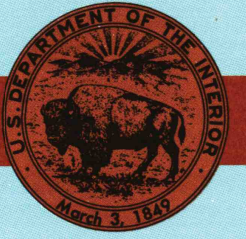
MINNESOTA-MICHIGAN-ONTARIO

1:100 000-scale metric topographic map



30 X 60 MINUTE QUADRANGLE SHOWING

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



U. S. GEOLOGICAL SURVEY

1985
PHOTOINSPECTED 1991

Produced by the United States Geological Survey
Compiled from USGS 1:24 000-scale topographic maps dated 1959-1976. Planimetry revised from aerial photographs taken 1979 and other source data. Revised information not field checked. Map edited 1985 Canadian portion copied from Department of Energy, Mines and Resources, 1:50,000-scale topographic maps dated 1975, 1980, and 1990.
Canadian portion of this map © by Her Majesty the Queen in Right of Canada, and may not be reproduced or redistributed without express consent of Energy, Mines and Resources Canada, 4th Floor, 615 Booth Street, Ottawa, Ontario, K1A 0E9.
1927 North American Datum (NAD 27). Projection and 10 000-meter grid. Universal Transverse Mercator, zone 16 25 000-foot ticks. Michigan coordinate system, north zone and Minnesota 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 photorevised using 1991 photographs. No major culture or drainage changes found.
CONTOUR INTERVAL 10 METERS IN UNITED STATES
CONTOUR INTERVAL 50 FEET IN CANADA
NATIONAL GEODETIC VERTICAL DATUM OF 1929
ELEVATIONS SHOWN TO THE NEAREST METER IN UNITED STATES
ELEVATIONS SHOWN TO THE NEAREST FOOT IN CANADA
THE U.S. PORTION OF THIS MAP COMPLES 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	22.9658
8	26.2467
9	29.5275
10	32.8084

To convert meters to feet multiply by 3.2808

To convert feet to meters multiply by 0.3048

DECLINATION DIAGRAM

The diagram shows two vertical lines representing north. The left line is labeled 'GN' (True North) and the right line is labeled 'M' (Magnetic North). An arc between the lines is labeled '1°52''. Below the lines, a horizontal scale bar is labeled '9 Miles'.

UTM grid convergence (GM) and 1983 magnetic declination (MD) at center of map. Diagram is approximate

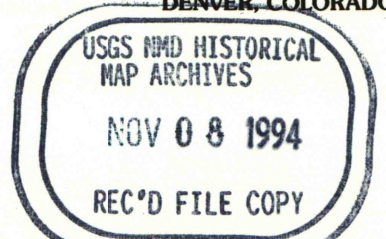
ADJOINING MAPS

1	2	3
4	5	
6	7	8

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8

- 4 Saganaga Lake
- 5 Todd Harbor
- 6 Grand Marais
- 7 Port George
- 8 Shattuck Bay

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
- 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
- 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

SCALE 1:100 000

1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND

CONTOUR INTERVAL 10 METERS IN UNITED STATES

CONTOUR INTERVAL 50 FEET IN CANADA

PIGEON POINT, MINNESOTA-MICHIGAN-ONTARIO

48089-A1-TM-100

1985

PHOTOINSPECTED 1991