

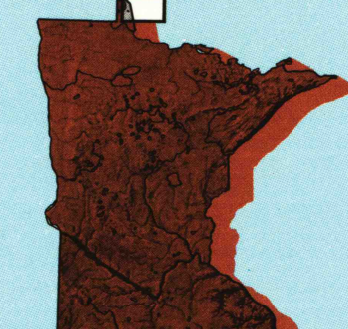
OAK ISLAND, MINNESOTA-ONTARIO

30 X 60 MINUTE SERIES (TOPOGRAPHIC)

Oak Island

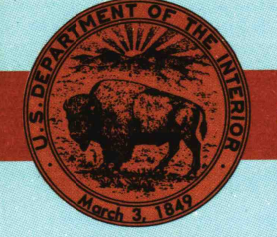
MINNESOTA-ONTARIO

1:100 000-scale metric
topographic map



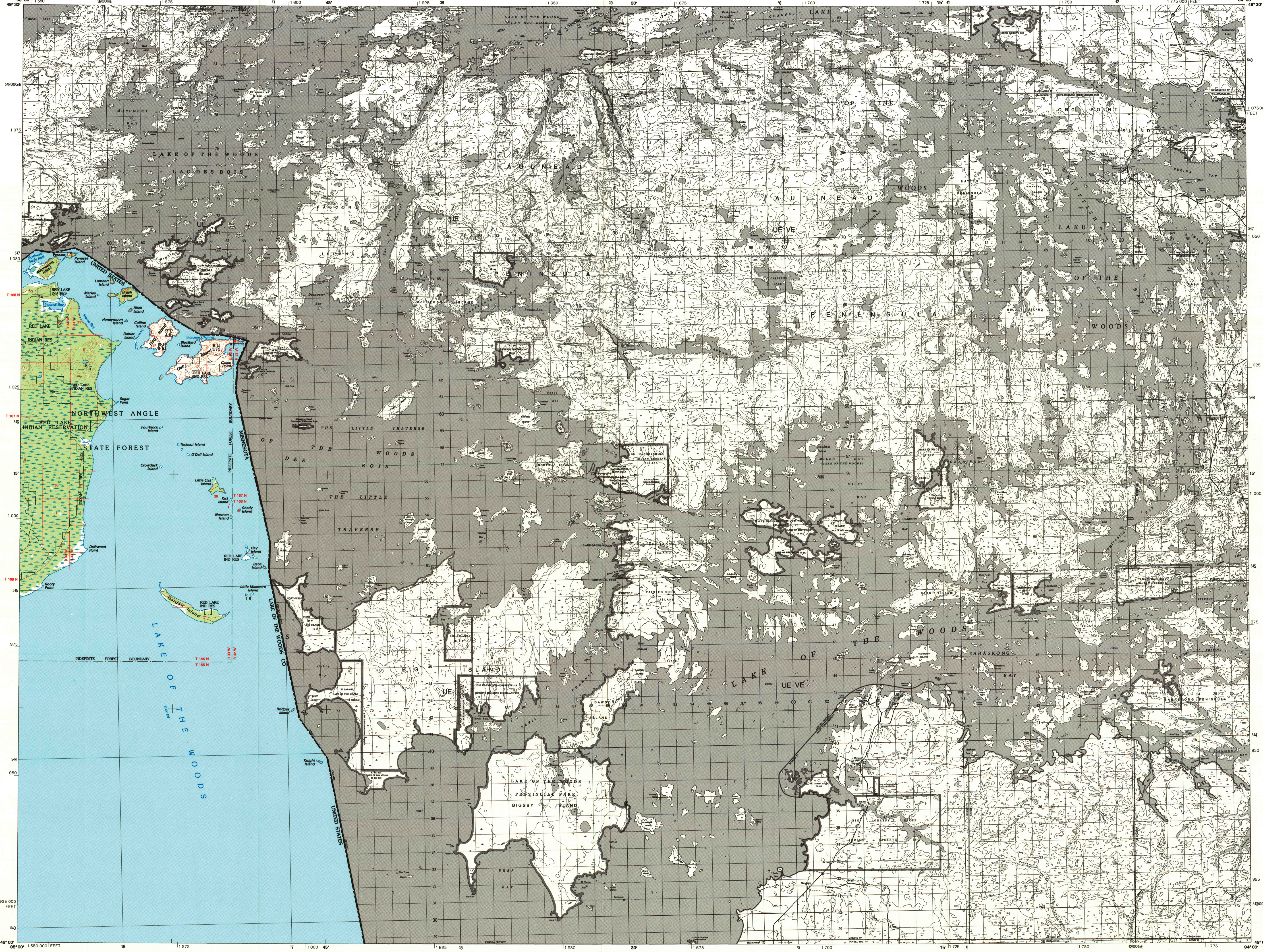
30 X 60 MINUTE QUADRANGLE
SHOWING

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



U. S. GEOLOGICAL SURVEY

1985
PHOTOINSPECTED 1988



Produced by the United States Geological Survey
Compiled from USGS 1:24 000-scale topographic
maps dated 1967. Planimetry revised from
aerial photographs taken 1962 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 1976-88
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 0G9
1927 North American Datum (NAD 27). Projection and
10 000-meter grid: Universal Transverse Mercator, zone 15
25 000-foot ticks: 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 1575
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 25 AND 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 COMPLIES WITH NATIONAL MAP
ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS			
Meters	Feet	Meters		1	2	3	
1	3.2808	1000		1	2	3	
2	6.5617	2000		4	5	6	
3	9.8425	3000		7	8	9	
4	13.1234	4000		10	11	12	
5	16.4042	5000		13	14	15	
6	19.6850	6000		16	17	18	
7	22.9658	7000		19	20	21	
8	26.2467	8000		22	23	24	
9	29.5275	9000		25	26	27	
10	32.8084	10 000		28	29	30	

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

UTM grid convergence
(GN) and 1983 magnetic
declination (MN)
at center of map
Diagram is approximate

1 2 3
4 5 6
7 8 9
10 11 12
13 14 15
16 17 18
19 20 21
22 23 24
25 26 27
28 29 30

1 Angle Inlet
2 Roseau
3 Bandette
4 International Falls

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	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; uncontracted	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	Ruin; cliff dwelling	Disturbed surface: strip mine, lava, sand	Contour: 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
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A pamphlet describing topographic maps is available on request

OAK ISLAND, MINNESOTA-ONTARIO

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