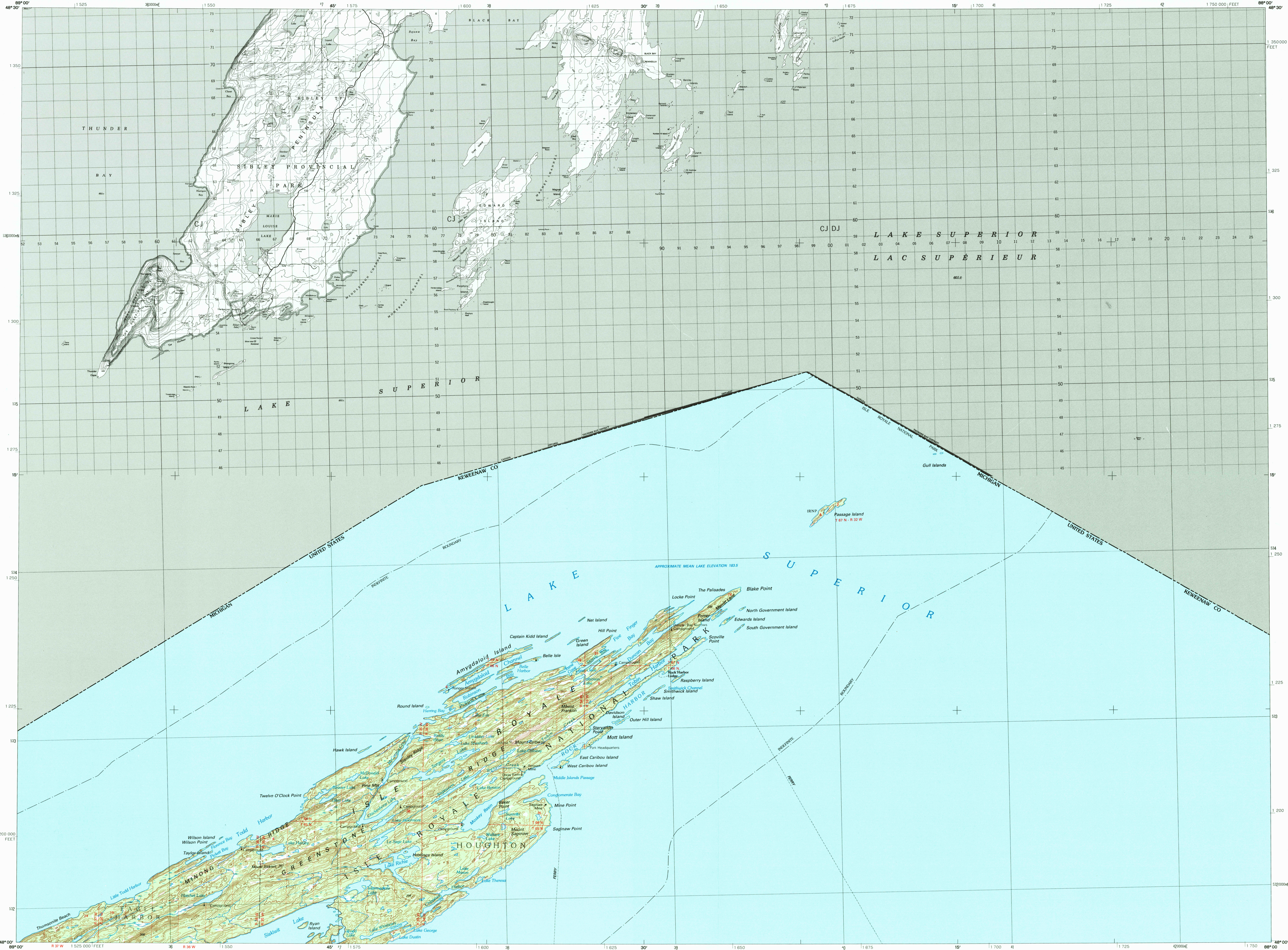




Todd Harbor

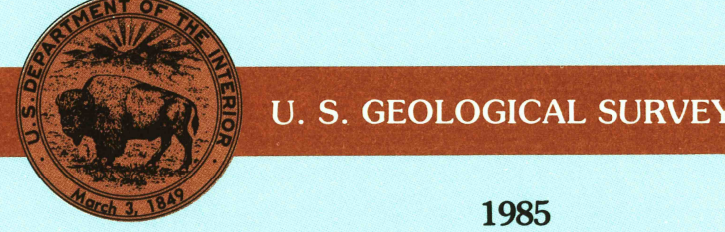
MICHIGAN

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



Produced by the United States Geological Survey
Compiled from USGS 1:24 000-scale topographic maps dated 1985. Map edited 1985
Canadian portion copied from Department of Energy, Mines and Resources, 1:50,000-scale topographic maps dated 1975 and 1988

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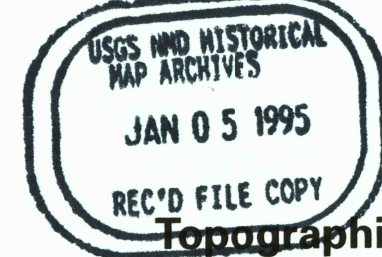
North American Datum of 1927 (NAD 27). Projection and 10 000-meter grid: Universal Transverse Mercator, zone 16 25 000-foot ticks: Michigan coordinate system, north zone
The values of the shift between NAD 27 and North American Datum of 1983 (NAD 83) for 7.5-minute intersections are obtainable from National Geodetic Survey NADCON software
There may be private inholdings within the boundaries of the National or State reservations shown on this map

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 COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM	ADJOINING MAPS		
Meters	Feet		1	2	3
1	3.2808	UTM grid convergence (GN) and/or magnetic declination (MD) at center of map Diagram is approximate	4	5	
2	6.5617				
3	9.8425				
4	13.1234		6	7	8
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			1	2	3
To convert feet to meters multiply by 0.3048			4	Figure Point	5
			6	Grand Portage	7
			7	Stiskiwit Bay	8
			8		

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		
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		
Disrupted 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