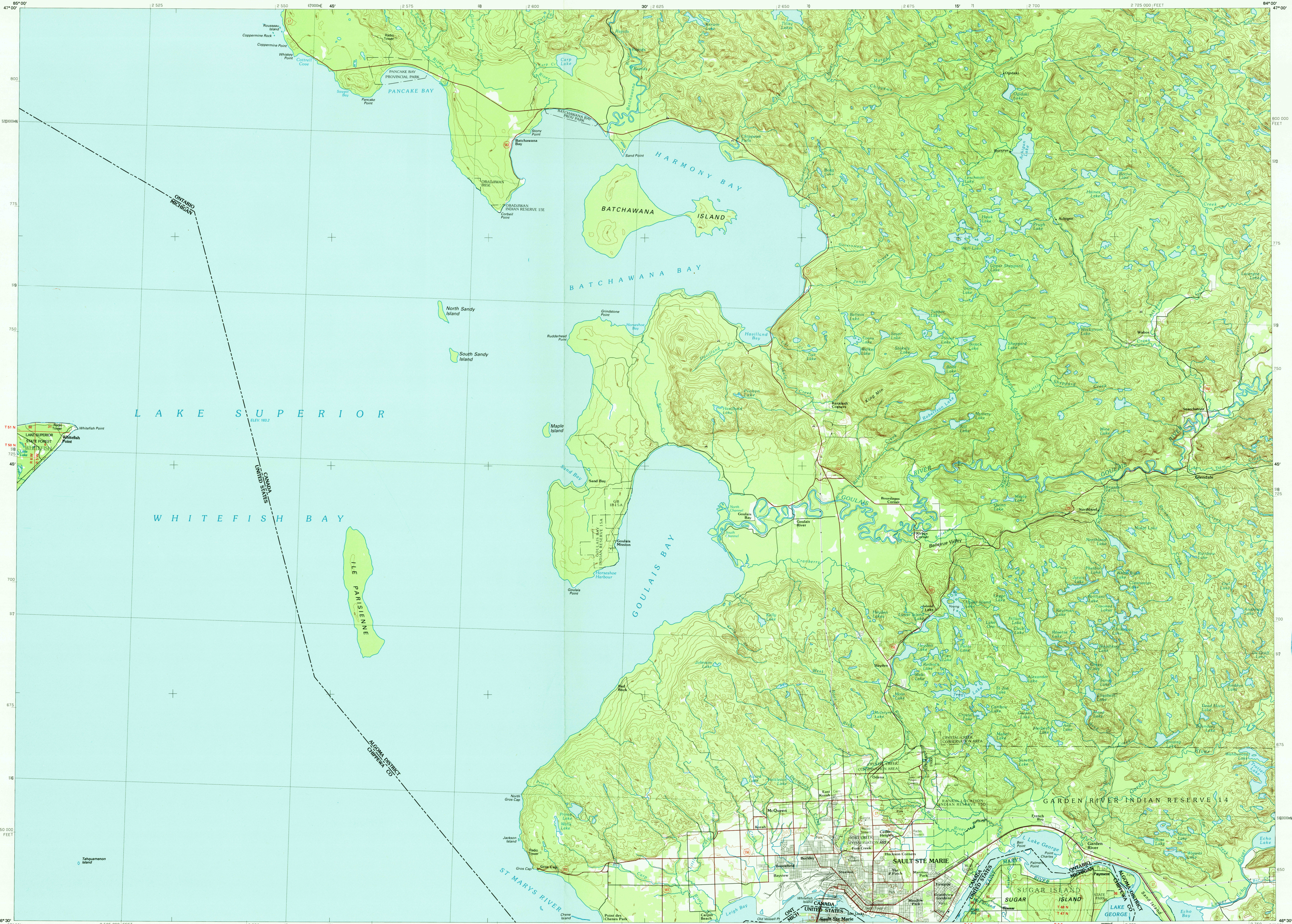
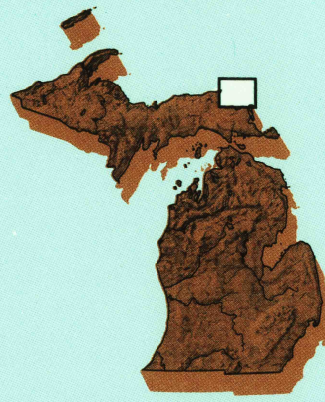




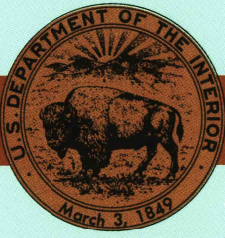
Sault Ste. Marie North
MICHIGAN-ONTARIO

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



GEOLOGICAL SURVEY

1985
PHOTOINSPECTED 1988

Produced by the United States Geological Survey

Compiled from USGS 1:24 000-scale topographic maps dated 1951-1976. Planimetry revised from aerial photographs taken 1982-83 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 and 1983. Projection and 10 000-meter grid, zone 16. Universal Transverse Mercator. 25 000-foot grid ticks based on Michigan coordinate system, north zone. 1927 North American Datum. To place on the predicted North American Datum 1983, move the projection lines 3 meters north and 1 meter east. There may be private inholdings within the boundaries of the National or State reservations shown on this map. Map photoinspected using 1986 and 1988 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
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		4			
2	6.5617		5			
3	9.8425		6	7	8	
4	13.1234					
5	16.4042		1			
6	19.6850		2			
7	22.9659		3			
8	26.2467		4	Two Hearted River		
9	29.5276		5	Manistique Lake		
10	32.8084		6	Sault Ste. Marie South		
To convert meters to feet multiply by 3.2808		UTM grid convergence (GM) and magnetic declination (MM) at center of map Diagram is approximate	7	Sault Ste. Marie South		
To convert feet to meters multiply by 0.3048			8	Drummond		

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	
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

SAULT STE. MARIE NORTH, MICH.-ONT.
46084-E1-TM-100

1985
PHOTOINSPECTED 1988