

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

U. S. GEOLOGICAL SURVEY

1985

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
 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
 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

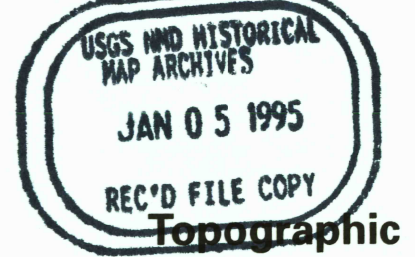
CONVERSION TABLE		DECLINATION DIAGRAM	ADJOINING MAPS		
Meters	Feet		1	2	3
1	3.2808		4	5	6
2	6.5617		1	2	3
3	9.8425		4	5	6
4	13.1234		7	8	
5	16.4042				
6	19.6850				
7	22.9659				
8	26.2467				
9	29.5276				
10	32.8084				

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

UTM grid convergence (GN) and/or magnetic declination (MD) at center of map Diagram is approximate

1 Pigeon Point
 2 Grand Portage
 3 Stikivik 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	
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	
Natural 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	
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	

