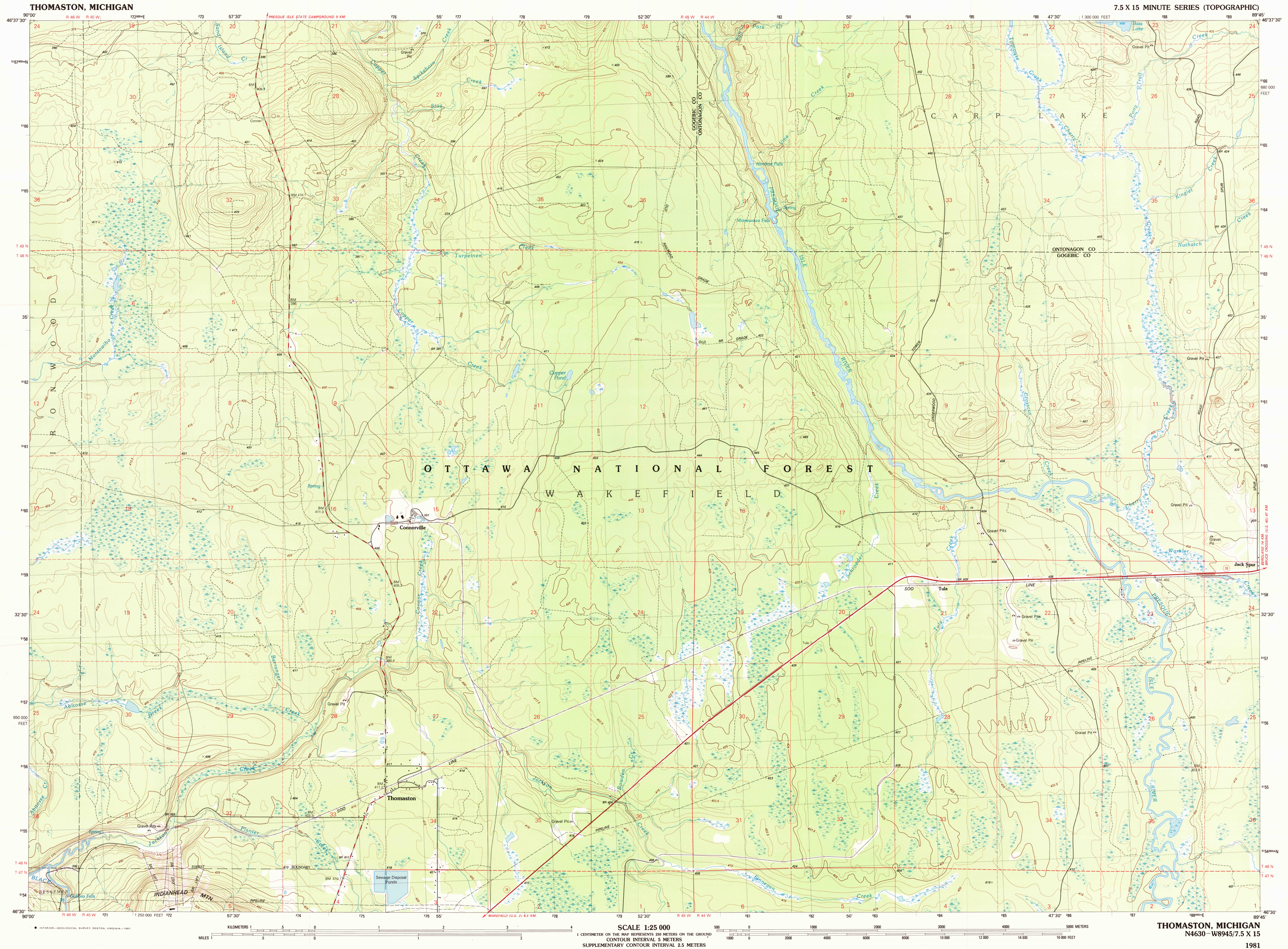




1:25 000-scale metric topographic map of **Thomaston MICHIGAN**

7.5 X 15 MINUTE QUADRANGLE SHOWING

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

Projection and 1000-meter grid, zone 16, Universal Transverse Mercator
10,000-foot grid tick based on Michigan coordinate system, north zone. 1927 North American Datum
To place on the predicted North American Datum 1983 move the projection lines 6 meters north and 10 meters east as shown by dashed corner ticks
There may be private inholdings within the boundaries of the National or State reservations shown on this map

CONTOUR INTERVAL 5 METERS
SUPPLEMENTARY CONTOUR INTERVAL 2.5 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
CONTROL ELEVATIONS SHOWN TO THE NEAREST 0.1 METER
OTHER ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES 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	22.9659
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

DECLINATION DIAGRAM

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

ADJOINING MAPS

1	2	3
1 Black River Harbor	2 Tule Creek	3 Algonquin Creek (7.5)
4 North Ironwood	5 Berland	6 Beaver (7.5)
7 Wakefield (7.5)	8 Wakefield NE (7.5)	9 Wakefield (7.5)

FOR SALE BY U. S. GEOLOGICAL SURVEY
RESTON, VIRGINIA 22092

Topographic Map Symbols

Primary highway, hard surface
Secondary highway, hard surface
Light-duty road, hard or improved surface
Unimproved road, trail
Road meter: interstate; U. S. State
Railroad: standard gauge; narrow gauge
Bridge: drawbridge
Footbridge, overpass, underpass
Built-up area: only selected landmark buildings shown
House; barn; church; school; large structure
Boundary
National, with monument
State
County, parish
Civil township, precinct, district
Incorporated city, village, town
National or State reservation; small park
Land grant with monument; found section corner
U. S. public lands survey: range, township, section
Range, township; section line: location approximate
Force or field line
Power transmission line, located tower
Dam; dam with lock
Cemetery, grave
Campground, picnic area; U. S. location monument
Windmill; water well; spring
Mine shaft; prospect; adit or cave
Control: horizontal station; vertical station; spot elevation
Contours: index; intermediate; supplementary; depression
Distorted surface: strip mine, levee, sand
Bathymetric contours: index; intermediate
Perennial lake and stream; intermittent lake and stream
Pond, large and small; lake, large and small
Swamp; marsh
Submerged marsh; land subject to controlled inundation
Woodland; scattered trees
Savanna, mangrove
Orchard; vineyard

SCALE 1:25 000
1 CENTIMETER ON THE MAP REPRESENTS 250 METERS ON THE GROUND
CONTOUR INTERVAL 5 METERS
SUPPLEMENTARY CONTOUR INTERVAL 2.5 METERS

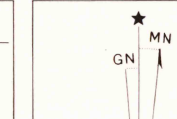
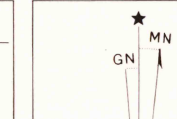
THOMASTON, MICHIGAN
N4630-W8945/7.5 X 15

1981

Produced by the United States Geological Survey
Control by USGS and NOS/NOAA
Compiled by photogrammetric methods from aerial photographs taken 1975. Field checked 1976
Map edited 1981
Projection and 1000-meter grid, zone 16, Universal Transverse Mercator
10,000-foot grid tick based on Michigan coordinate system, north zone. 1927 North American Datum
To place on the predicted North American Datum 1983 move the projection lines 6 meters north and 10 meters east as shown by dashed corner ticks
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CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS							
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3	9.8425			7	8	9					
4	13.1234			10	11	12					
5	16.4042			13	14	15					
6	19.6850			16	17	18					
7	22.9659			19	20	21					
8	26.2467			22	23	24					
9	29.5276			25	26	27					
10	32.8084			28	29	30					
To convert meters to feet multiply by 3.2808				1 Black River Harbor 2 Tule Creek 3 Algonquin Creek (7.5) 4 North Ironwood 5 Berland 6 Beaver (7.5) 7 Wakefield (7.5) 8 Wakefield NE (7.5) 9 Wakefield (7.5)							
To convert feet to meters multiply by 0.3048											

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Primary highway, hard surface	Secondary highway, hard surface	Light-duty road, hard or improved surface	Unimproved road, trail	Road meter: interstate; U. S. State	Railroad: standard gauge; narrow gauge	Bridge: drawbridge	Footbridge, overpass, underpass	Built-up area: only selected landmark buildings shown	House; barn; church; school; large structure	Boundary	National, with monument	State	County, parish	Civil township, precinct, district	Incorporated city, village, town	National or State reservation; small park	Land grant with monument; found section corner	U. S. public lands survey: range, township, section	Range, township; section line: location approximate	Force or field line	Power transmission line, located tower	Dam; dam with lock	Cemetery, grave	Campground, picnic area; U. S. location monument	Windmill; water well; spring	Mine shaft; prospect; adit or cave	Control: horizontal station; vertical station; spot elevation	Contours: index; intermediate; supplementary; depression	Distorted surface: strip mine, levee, sand	Bathymetric contours: index; intermediate	Perennial lake and stream; intermittent lake and stream	Pond, large and small; lake, large and small	Swamp; marsh	Submerged marsh; land subject to controlled inundation	Woodland; scattered trees	Savanna, mangrove	Orchard; vineyard
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A pamphlet describing topographic maps is available on request

RETURN TO:
USGS AND HISTORICAL MAP ARCHIVES