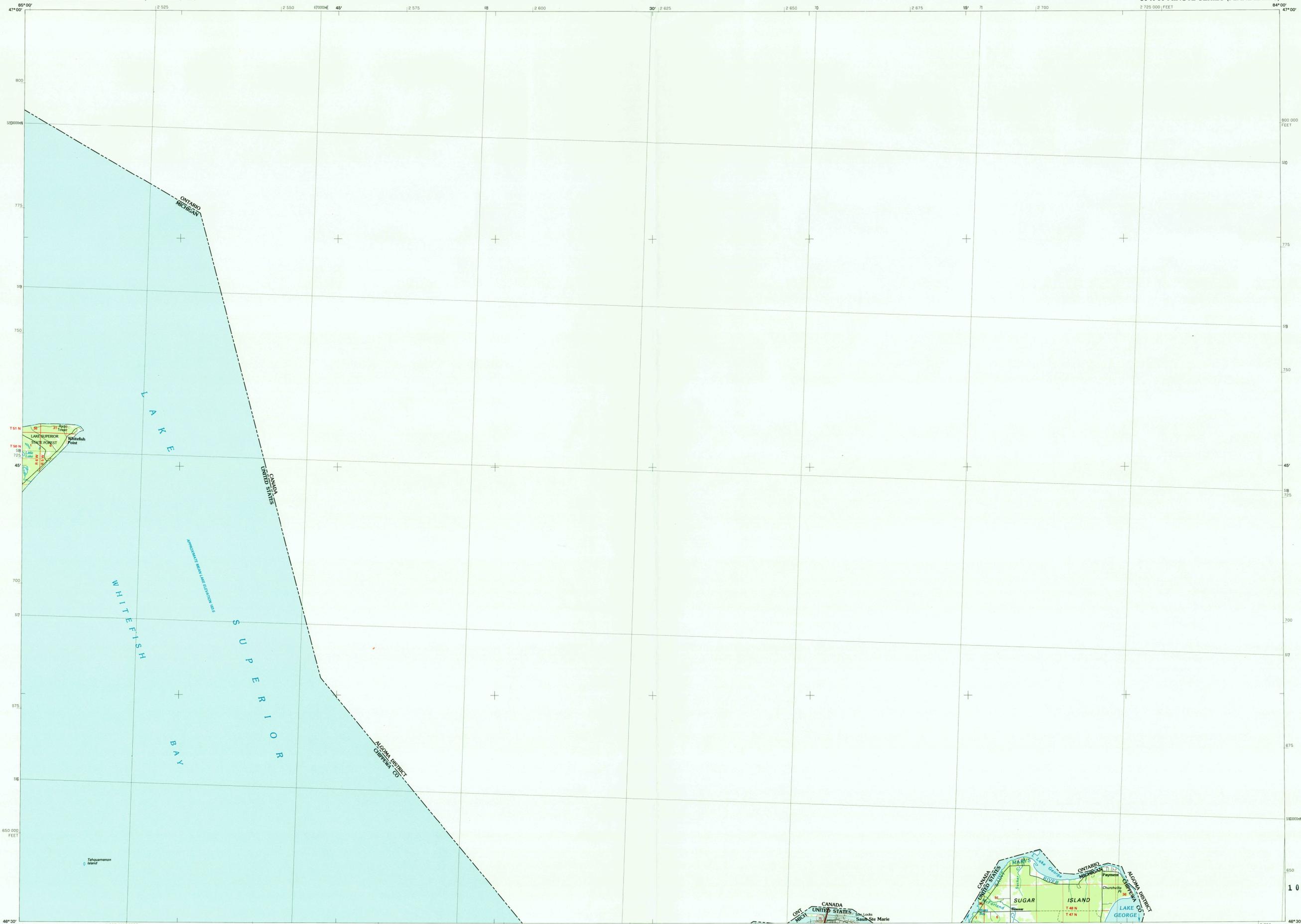


SAULT STE. MARIE NORTH, MICHIGAN

30 X 60 MINUTE SERIES (PLANIMETRIC)



Sault Ste. Marie North MICHIGAN

1:100 000-scale planimetric map



30 X 60 MINUTE QUADRANGLE SHOWING

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



GEOLOGICAL SURVEY

1985

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.

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.

NATIONAL GEODETIC VERTICAL DATUM OF 1929 ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

Meters	Feet	DECLINATION DIAGRAM	ADJOINING MAPS
1	3.2808		1
2	6.5617		2
3	9.8425		3
4	13.1234		4
5	16.4042		5
6	19.6850		6
7	22.9659		7
8	26.2467		8
9	29.5275		9
10	32.8084		10

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

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

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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
- 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

1 0 SEP 1990

RETURN TO:
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USGS NATIONAL CENTER, NS-522
RESTON, VA 22092

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