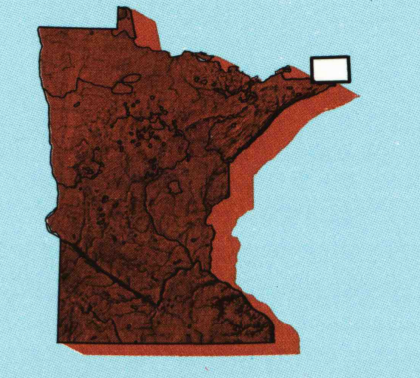


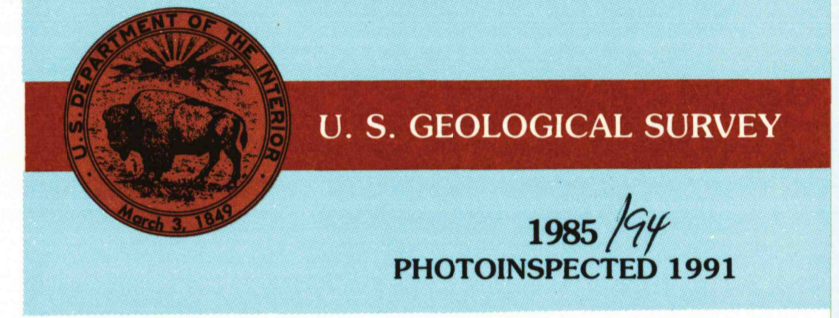
Pigeon Point

MINNESOTA-MICHIGAN-ONTARIO
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 1959-1976. Planimetry revised from aerial photographs taken 1979 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, 1980, and 1990.

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1927 North American Datum (NAD 27). Projection and 10 000-meter grid. Universal Transverse Mercator, zone 16 25 000-foot ticks. Michigan coordinate system, north zone and Minnesota coordinate system, north zone. The difference between NAD 27 and North American Datum of 1983 (NAD 83) is too small to show at this scale. The values of the shift between the datums for 7.5-minute intersections are given in USGS Bulletin 1875.

There may be private inholdings within the boundaries of the National or State reservations shown on this map. The U.S. portion of this map complies with 1991 photographs. No major culture or drainage changes found.

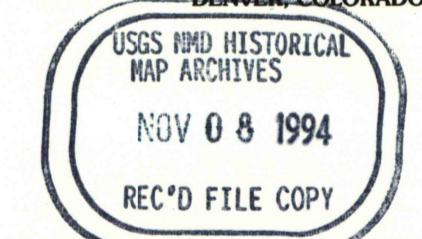
CONTOUR INTERVAL 10 METERS IN UNITED STATES
CONTOUR INTERVAL 50 FEET IN CANADA
NATIONAL GEODETIC VERTICAL DATUM OF 1929
ELEVATIONS SHOWN TO THE NEAREST METER IN UNITED STATES
ELEVATIONS SHOWN TO THE NEAREST FOOT IN CANADA
THE U.S. PORTION OF THIS MAP COMPLES WITH NATIONAL MAP ACCURACY STANDARDS

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	29.5275
10	32.8084

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

DECLINATION DIAGRAM	ADJOINING MAPS									
<p>UTM grid convergence (CON) and 1983 magnetic declination (MAG) at center of map. Diagram is approximate.</p>	<table border="1"> <tr><td>1</td><td>2</td><td>3</td></tr> <tr><td>4</td><td>5</td><td>6</td></tr> <tr><td>7</td><td>8</td><td>9</td></tr> </table> <p>4 Saganaga Lake 5 Todd Harbor 6 Grand Marais 7 Grand Portage 8 Siskiwit Bay</p>	1	2	3	4	5	6	7	8	9
1	2	3								
4	5	6								
7	8	9								

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
- 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
- Disturbed 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
- Sands; mangrove
- Orchard; vineyard

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