



Produced by the United States Geological Survey
Topography compiled 1957. Planimetry derived from imagery taken 1999 and other sources. Public Land Survey System and survey control current as of 1959. Boundaries current as of 2002 Canadian portion copied from Pigeon River East quadrangle (1:50,000) 1959. Army Survey Establishment, RCE.
Selected hydrographic data in Lake Superior compiled from U.S. Lake Survey Chart 97 (1958). This information is not intended for navigational purposes.
North American Datum of 1983 (NAD 83). Projection and 1,000-meter grid. Universal Transverse Mercator, zone 16 10 000-foot ticks. Minnesota Coordinate System of 1983 (north zone).
North American Datum of 1927 (NAD 27) is shown by dashed corner ticks. The values of the shift between NAD 83 and NAD 27 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.
Houses of worship, schools, and other labeled buildings verified 1959.

UTM GRID AND 2002 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET
2° 18' 44" N
1° 18' 23" N

SCALE 1:24 000
Kilometers 0 0.5 1 2
Meters 0 500 1000 2000
Miles 0 0.5 1 2
Feet 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
CONTOUR INTERVAL 20 FEET IN THE UNITED STATES
CONTOUR INTERVAL 50 FEET IN CANADA
U.S. PORTION ON NATIONAL GEODETIC VERTICAL DATUM OF 1929
TO CONVERT ELEVATIONS TO THE NORTH AMERICAN VERTICAL DATUM OF 1988, ADD 1 FOOT)
DEPTH CURVES AND SOUNDINGS IN FEET
REFERENCE LEVEL 600.0 FEET; INTERNATIONAL GREAT LAKES DATUM
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE
TO CONVERT FROM FEET TO METERS, MULTIPLY BY 0.3048
THE UNITED STATES PORTION COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, P.O. BOX 25286, DENVER, COLORADO 80225
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



ROAD CLASSIFICATION
Primary highway
hard surface
Secondary highway
hard surface
Unimproved road
Light-duty road, hard or
improved surface
Interstate Route
U.S. Route
State Route

1	2	3	1 The Cascades
4	5	6	2 Mineral Center
7	8	9	3 Pigeon Point
10	11	12	4 Mineral Center

GRAND PORTAGE, MN-ON
1999

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ISBN 0-607-97115-0
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