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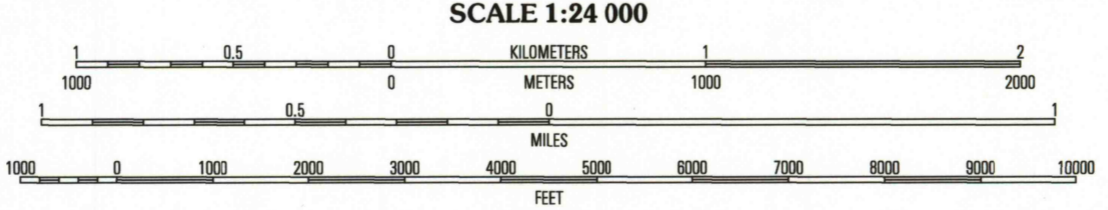
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Produced by the United States Geological Survey
Topography compiled 1957. Planimetry derived from imagery taken 1999 and other sources. Public Land Survey System and survey control current as of 1959. Boundaries current as of 2002 Canadian portion copied from Pigeon River West 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 Geographic 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 2003 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET
2 1/2° 44 MILS
2° 05' 37 MILS



CONTOUR INTERVAL 20 FEET
CONTOUR INTERVAL 50 FEET IN CANADA
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
THIS MAP 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
Unimproved road
Interstate Route
U.S. Route
State Route

1	2	3	1 South Fowl Lake
4	5	6	2 The Cascades
6	7	8	3 Farquhar Peak
			4 Grand Portage
			5 Howland
			6 Grand Portage
			7 Howland
			8

MINERAL CENTER, MN-ON
1999

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