



Produced by the United States Geological Survey
 Topography compiled 1966. Planimetry derived from imagery taken 1999 and other sources. Public Land Survey System and survey control current as of 1967. Boundaries current as of 2002. Canadian portion copied from advance print Namakan Lake quadrangle (1:40 000) 1964, Surveys and Mapping Branch, Department of Mines and Technical Surveys.
 North American Datum of 1983 (NAD 83). Projection and 1 000-meter grid: Universal Transverse Mercator, zone 15 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 1967.

SCALE 1:24 000

CONTOUR INTERVAL 10 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)
 TO CONVERT FROM FEET TO METERS, MULTIPLY BY 0.3048

ROAD CLASSIFICATION

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

QUADRANGLE LOCATION

1	2	3	1 Kempton Bay
4	5	6	2 Kettle Falls
7	8	9	3
			4 Ash River NE
			5 O'Leary Lake
			6 Ash River SE
			7 Marton Lake
			8 Johnson Lake

NAMAKAN ISLAND, MN-ON
 1999
 NIMA 7480 1 NW-SERIES V872

ADJOINING 7.5' QUADRANGLES

20% TOTAL RECOVERED FIBER

USGS LIBRARY - RESTON
 3 1818 00365892 7

JUN 06 2003

RECEIVED
 AUG 28 2003
 USGS NMD
 HISTORICAL MAP ARCHIVES