



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 1968. Boundaries current as of 2002  
 Depth curves compiled from chart furnished by Minnesota Department of Conservation  
 North American Datum of 1983 (NAD 83). Projection and 1000-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 1968

SCALE 1:24 000  
 CONTOUR INTERVAL 10 FEET  
 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

UTM GRID AND 2002 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

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
4	5	6
7	8	

1 Soldier Point  
 2 Kempton Bay  
 3 Kettle Falls  
 4 Daley Bay  
 5 Namakan Island  
 6 Ash River SW  
 7 Ash River SE  
 8 Marton Lake

ASH RIVER NE, MN  
 1999  
 NIMA 7480 IV NE-SERIES V872

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

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 RESTON VA