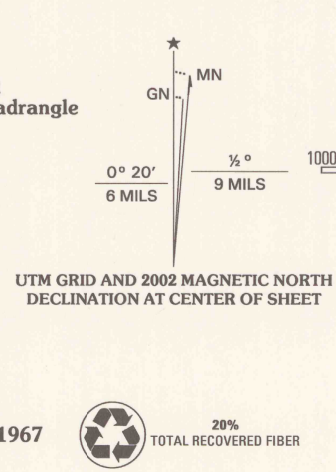




Produced by the United States Geological Survey  
Topography compiled 1966. Planimetry derived from imagery taken 1999 and other sources. Public Land Survey System and survey control current as of 1967. Boundaries current as of 2002. Canadian portion copied from advance print, Namakan Lake quadrangle (1:40 000) 1964, Surveys and Mapping Branch, Department of Mines and Technical Surveys.  
Depth curves compiled from charts furnished by Minnesota Department of Conservation.  
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 .....  
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 Kettle Falls
4	5	4	4 Namakan Island
6	7	5	5 Swansons Bay
		6	6 Marion Lake
		7	7 Johnson Lake
		8	8 Crane Lake

**BLIND PIG ISLAND, MN-ON**  
(FORMERLY HALE BAY)  
1999  
NIMA 7480 1 N-SERIES V872

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