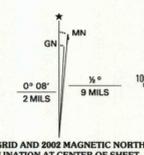




Produced by the United States Geological Survey  
Topography compiled 1966. Planimetry derived from imagery taken 1999 and other sources. Public Land Survey System and survey control current as of 1967. Boundaries current as of 2002 Canadian portion copied from advance print Seine Bay quadrangle (1:40 000) 1966, Surveys and Mapping Branch, Department of Mines and Technical Surveys.  
Selected hydrographic data compiled from U.S. Lake Survey Charts 819 and 821 (1965). 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 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**

0 0.5 1 2  
KILOMETERS

0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000  
METERS

0 1 2 3 4 5 6 7 8  
MILES

0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000  
FEET

**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)  
DEPTH CURVES AND SOUNDINGS IN FEET - DATUM IS 1102 FEET  
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 .....

Light-duty road, hard or  
improved surface .....

Unimproved road .....

Interstate Route  
U.S. Route  
State Route

**QUADRANGLE LOCATION**

1	2	3	1
2	3	4	2
3	4	5	3
4	5	6	4
5	6	7	5
6	7	8	6

4 Soldier Point  
5 Kettle Falls  
6 Daley Bay  
7 Ash River NE  
8 Namakan Island

**KEMPTON BAY, MN-ON**  
1999

ADJOINING 7.5' QUADRANGLES

NIMA 7481 III SE-SERIES V872

RECEIVED  
MAY 27 2003  
USGS NMD  
HISTORICAL MAP ARCHIVES  
APR 01 2003