



**Produced by the United States Geological Survey**  
North American Datum of 1983 (NAD83)  
World Geodetic System of 1984 (WGS84). Projection and  
1 000-meter grid: Universal Transverse Mercator, Zone 15U  
10 000-foot ticks: Minnesota Coordinate System of 1983 (north  
zone)  
This map is not a legal document. Boundaries may be  
generalized for this map scale. Private lands within government  
reservations may not be shown. Obtain permission before  
entering private lands.  
Imagery.....N.A.I.P., August 2013  
Roads.....U.S. Census Bureau, 2015 - 2016  
Names.....GNIS, 2016  
Hydrography.....National Hydrography Dataset, 2013  
Contours.....National Elevation Dataset, 2012  
Boundaries.....Multiple sources; see metadata file 1972 - 2016  
Public Land Survey System.....BLM, 2014  
Wetlands.....FWS National Wetlands Inventory 1977 - 2014

**SCALE 1:24 000**

1 000 500 0 500 1000 2000  
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000  
KILOMETERS METERS  
MILES FEET

CONTOUR INTERVAL 5 FEET  
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the  
National Geospatial Program US Topo Product Standard, 2011.  
A metadata file associated with this product is draft version 0.6.19

UTM GRID AND 2016 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET

U.S. National Grid	15U
100,000 m Square ID	UP
Grid Zone Designation	15U

**ROAD CLASSIFICATION**

Expressway	Local Connector
Secondary Hwy	Local Road
Ramp	4WD
Interstate Route	US Route
	State Route

**QUADRANGLE LOCATION**

1	2	3
4	5	6
7	8	

1 Warroad SW  
2 Warroad SE  
3 Swift Lake NW  
4 Mulligan Lake NW  
5 Winter Road Lake NW  
6 Mulligan Lake SW  
7 Mulligan Lake  
8 Winter Road Lake SW

**MULLIGAN LAKE NE, MN**  
2016

