U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

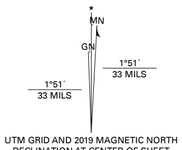
The National Map US Topo

VINING QUADRANGLE
MINNESOTA - OTTER TAIL COUNTY
7.5-MINUTE SERIES

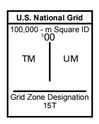
Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid:Universal Transverse Mercator, Zone 15T

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.

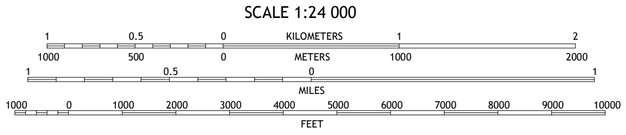
Imagery	NAIP, July 2017 - November 2017	
Roads	U.S. Census Bureau,	2016
Names	GNIS, 1980 -	2019
Hydrography	National Hydrography Dataset, 2002 -	2018
Contours	National Elevation Dataset, 2011 -	2012
Boundaries	Multiple sources; see metadata file 2017 -	2018
Public Land Survey System	BLM,	2017
Wetlands	FWS National Wetlands Inventory	1982



UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET



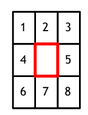
SCALE 1:24 000



CONTOUR INTERVAL 10 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 0.6.18

QUADRANGLE LOCATION



ADJOINING QUADRANGLES

1 Walker Lake
2 Ottertail
3 Heinola
4 Battle Lake
5 Henning
6 Eagle Lake
7 Inspiration Peak
8 Parkers Prairie NW

ROAD CLASSIFICATION

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

VINING, MN
2019

NSN. 7643016373476
NGA REF NO. USGSX24K46964