



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
10 000-foot ticks: Minnesota Coordinate System of 1983 (north
zone)

Imagery.....NAIP, May 2010
Roads.....©2006-2012 TomTom
Names.....GNIS, 2013
Hydrography.....National Hydrography Dataset, 2010
Contours.....National Elevation Dataset, 2007
Boundaries.....Census, IBWC, IBC, USGS, 1972 - 2012

UTM GRID AND 2013 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000 m Square ID
WP
WN
Grid Zone Designation
15T

SCALE 1:24 000

1 0.5 0 0.5 1 2
1000 500 0 1000 2000
KILOMETERS

1 0.5 0 0.5 1 2
1000 500 0 1000 2000
METERS

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

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 0.6.11



ROAD CLASSIFICATION

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

QUADRANGLE LOCATION

St. Louis Pine Island	Chad Lake	Crab Lake
Tower	Soudan	Eagles Nest
Blwabik NE	Embarrass	haac Lake

SUDAN, MN
2013

ADJOINING 7.5 QUADRANGLES