



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



MANVEL QUADRANGLE
NORTH DAKOTA-MINNESOTA
7.5-MINUTE SERIES

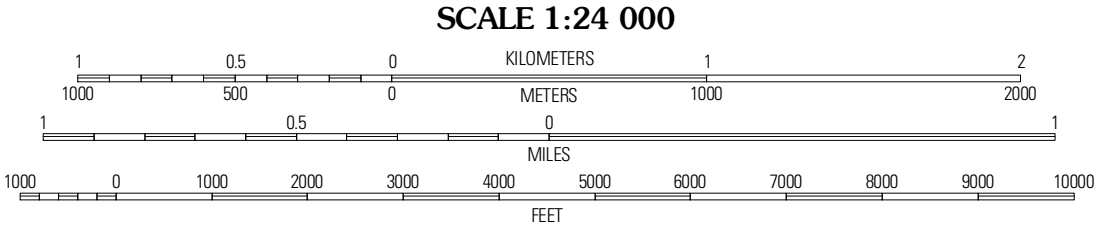


Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84) Projection and
1 000-meter grid: Universal Transverse Mercator, Zone 14U
10 000-foot ticks: North Dakota Coordinate System of 1983
(north zone)
and Minnesota Coordinate System of 1983
(north zone)

Imagery.....NAIP, August 2009
Roads.....2006-2010 Tele Atlas
Names.....GNIS, 2009
Hydrography.....National Hydrography Dataset, 2009
Contours.....National Elevation Dataset, 2008

UTM GRID AND 2011 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

U.S. National Grid 100,000-m Square ID
PJ
Grid Zone Designation 14U



CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with version 0.5.10 of the
draft USGS Standards for 7.5-Minute Quadrangle Maps.
A metadata file associated with this product is draft version 0.5.11



Autock	Oslo	Oslo NE
Mekinock	Manvel	Oslo SE
Emerado	Kelly	Grand Forks

ADJOINING 7.5' QUADRANGLES

ROAD CLASSIFICATION

Interstate Route	State Route
US Route	Local Road
Ramp	4WD

Interstate Route US Route State Route

MANVEL, ND-MN
2011