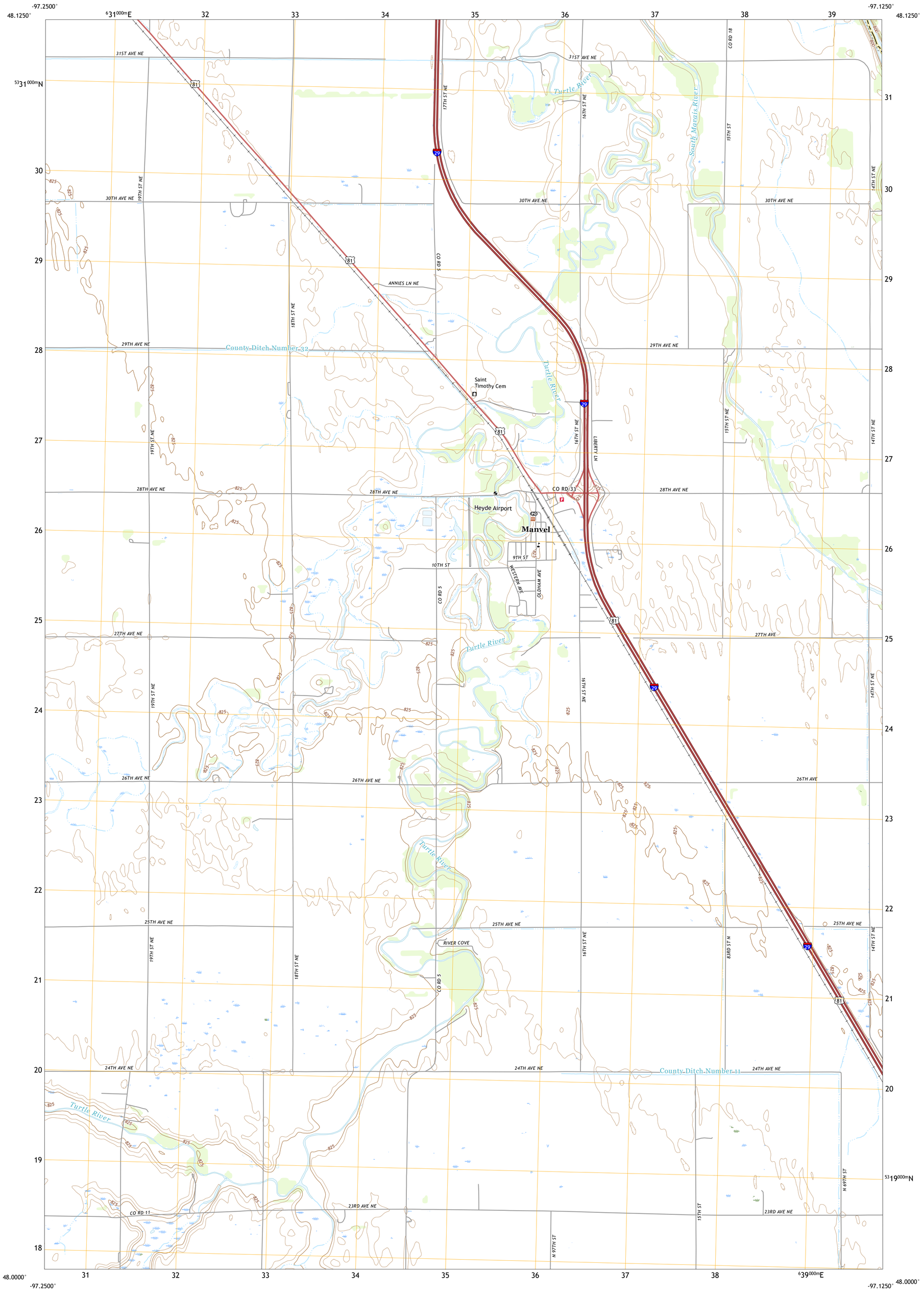
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map US Topo

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\14T

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,	June 2016 - November 2017
Roads	U.S. Census Bureau,	2016
Names	GNIS,	1980 - 2020
Hydrography	National Hydrography Dataset,	2006
Contours	National Elevation Dataset,	2011
Boundaries	Multiple sources; see metadata file	2018 - 2019
Public Land Survey System	BLM,	2017 - 2018
Wetlands	FWS National Wetlands Inventory	1979 - 1981

MN
GN
1°21′ 24 MILS
3°3′ 54 MILS
UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000 - m Square ID
PU
Grid Zone Designation
14U
48°N
14U

SCALE 1:24 000

1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 1
MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
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 0.6.18

QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 Ardoch
2 Oslo
3 Oslo NE
4 Mekinock
5 Oslo SE
6 Emerado
7 Kelly
8 Grand Forks
ADJOINING QUADRANGLES

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

NSN 7643016038019194
NGA REF NO. USGS24K70806

MANVEL, ND, MN
2020