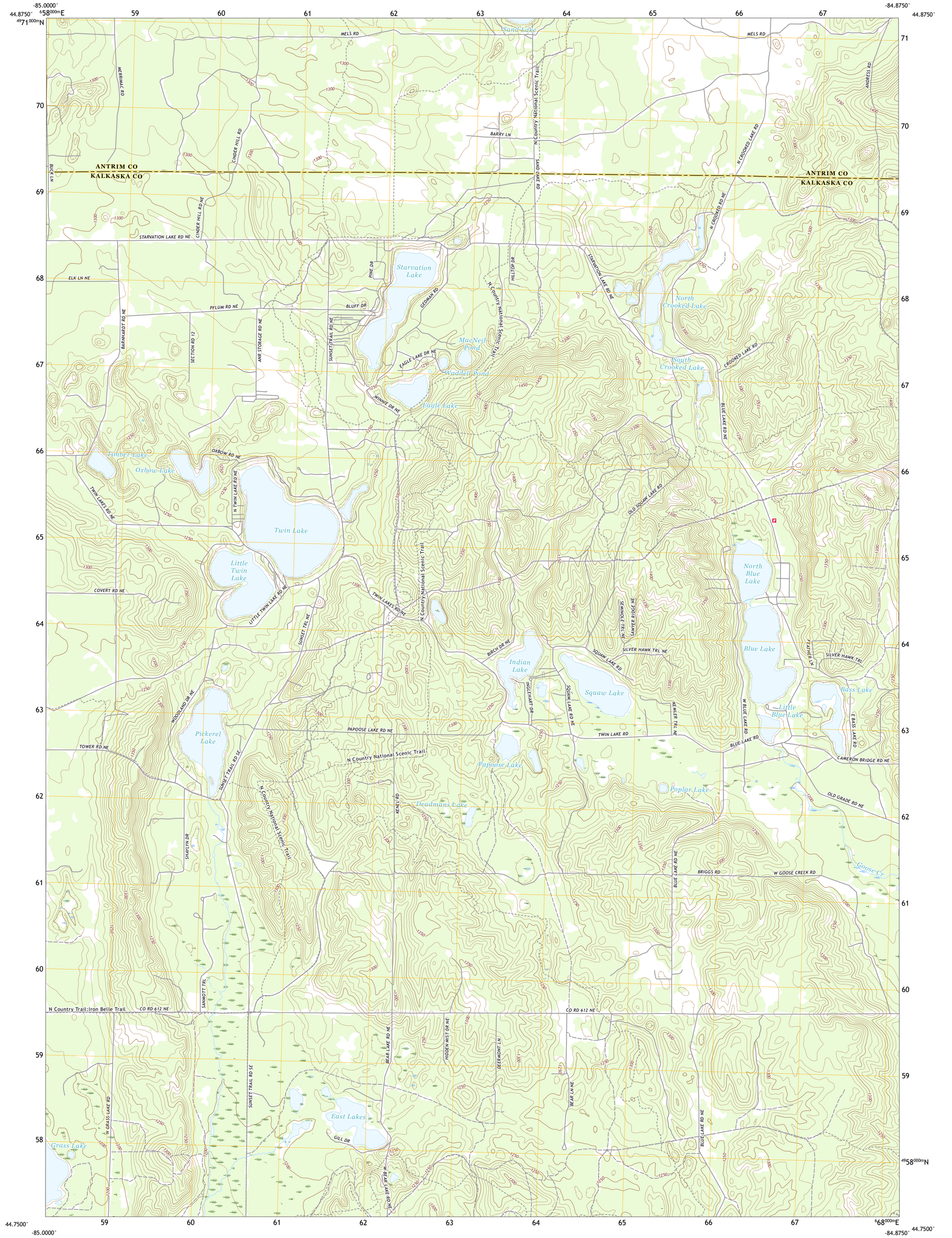
USGS science for a changing world

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

The National Map US Topo

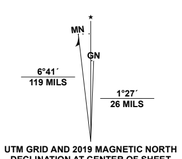
STARVATION LAKE QUADRANGLE
MICHIGAN
7.5-MINUTE SERIES



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 16T

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 2016 - October 2016
Roads	U.S. Census Bureau, 2016
Names	GNIS, Not Available
Hydrography	National Hydrography Dataset, 2002 - 2018
Contours	National Elevation Dataset, 1998
Boundaries	Multiple sources; see metadata file 2017 - 2018
Public Land Survey System	BLM, 2018
Wetlands	FWS National Wetlands Inventory 2005



UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000 - m Square ID
FQ
Grid Zone Designation
16T

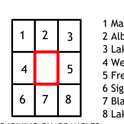
SCALE 1:24 000

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 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 Mancelona
2 Alba
3 Lake Arrowhead
4 Westwood
5 Frederic
6 Sigma
7 Black Creek
8 Lake Margrethe

ROAD CLASSIFICATION

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

STARVATION LAKE, MI
2019

NSN: 7643016037175
NGA REF NO. USSX24K42979