



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

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  
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Imagery.....NAIP, November 2014  
Roads.....U.S. Census Bureau, 2015 - 2016  
Names.....GHS, 2016  
Hydrography.....National Hydrography Dataset, 2014  
Contours.....National Elevation Dataset, 1999  
Boundaries.....Multiple sources; see metadata file 1972 - 2016  
Public Land Survey System.....BLM, 2016  
Wetlands.....FWS National Wetlands Inventory 1977 - 2014

**UTM GRID AND 2017 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET**

4° 15'	MN
7° 51'	GN
15 MILS	

U.S. National Grid  
100,000-m Square ID  
05  
Grid Zone Designation  
16T

**SCALE 1:24 000**

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

CONTOUR INTERVAL 20 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 0.6.19

**ROAD CLASSIFICATION**

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

**ADJOINING QUADRANGLES**

1	2	3
4	5	6
7	8	

1 Ned Lake  
2 Nelson Lake  
3 Witch Lake NE  
4 Ned Lake SE  
5 Witch Lake  
6 Kelo Junction  
7 Klerman  
8 Channing

**HICKMAN LAKE, MI  
2017**

NSN 7464-301-633-1114  
USGS X 24 K 20 2 9 4  
NGA REF NO. 4603016331114