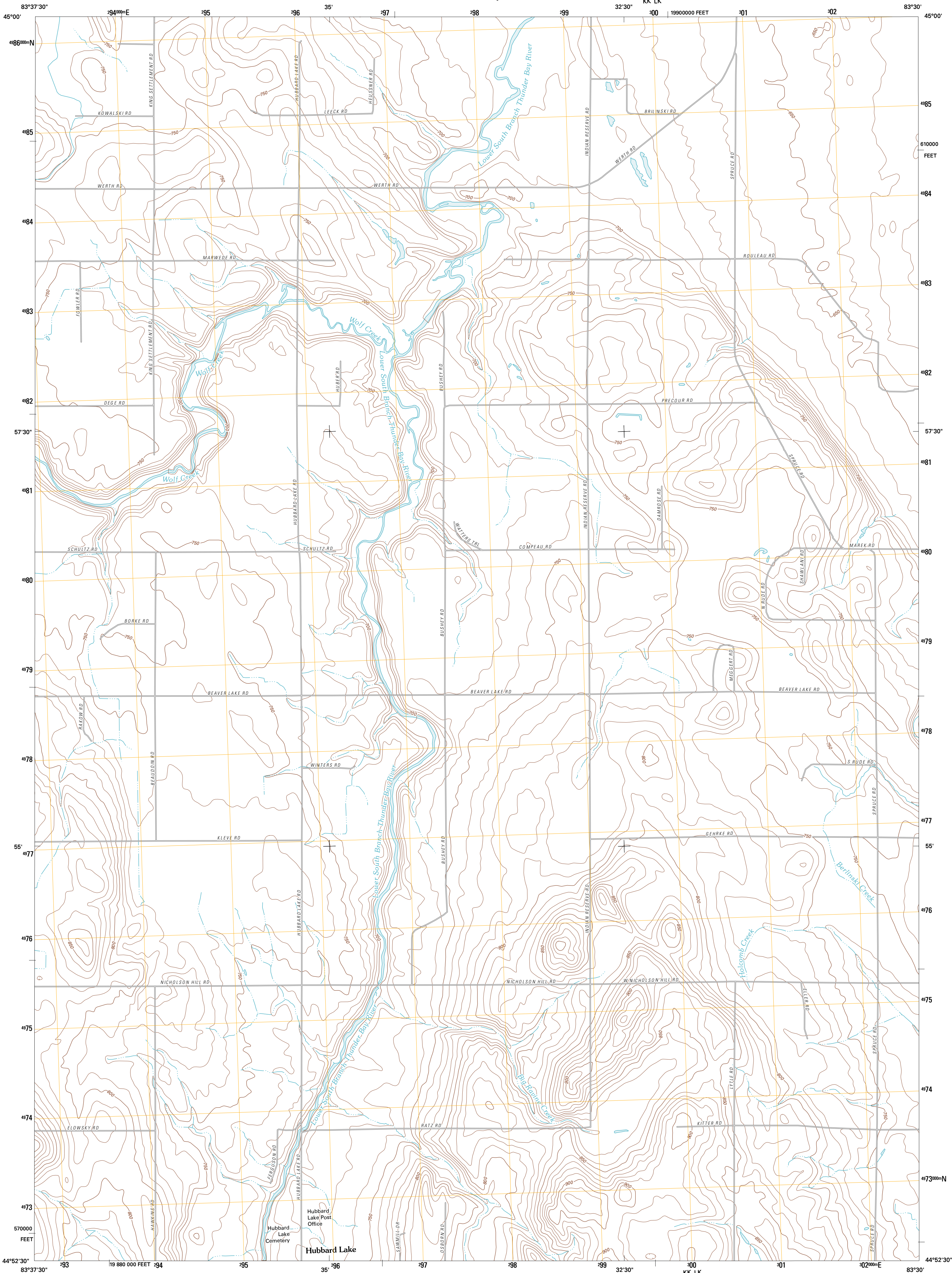




U.S. DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY



BIG RAVINE CREEK QUADRANGLE
MICHIGAN-ALPENA CO.
7.5-MINUTE SERIES

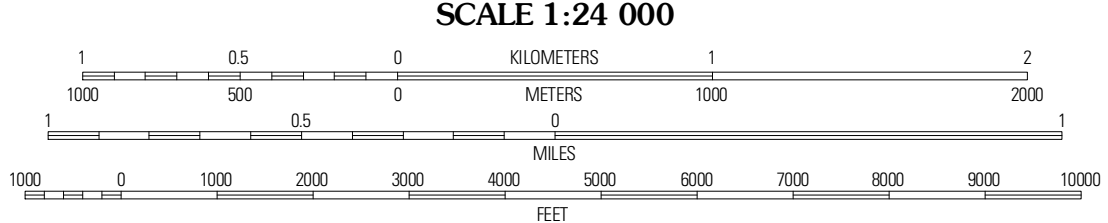


Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid: Universal Transverse Mercator, Zone 17T
10 000-foot ticks: Michigan Coordinate System of 1983
(central zone)

Imagery.....NAIP, September 2009
Roads.....©2006-2010 Tele Atlas
Names.....©2006-2010 Tele Atlas
Hydrography.....National Hydrography Dataset, 2009
Contours.....National Elevation Dataset, 1998
Boundaries.....Census, IBWC, IBC, USGS, 1972 - 2010

UTM GRID AND 2011 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000-m Square ID
KK LK
Grid Zone Designation
17T



CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with version 0.5.10
of the USGS US Topo Product Standard.
A metadata file associated with this product is draft version 0.5.16



QUADRANGLE LOCATION

Lachine	Lake Winah	Alpena
Evans Creek	Big Ravine Creek	Ossineke
Hubbard Lake SW	Hubbard Lake	Spruce

ADJOINING 7.5 QUADRANGLES

ROAD CLASSIFICATION

Interstate Route	State Route
US Route	Local Road
Ramp	4WD

Legend: Interstate Route (thick red line), US Route (thin red line), Ramp (blue line), State Route (thin black line), Local Road (dashed black line), 4WD (dashed black line with cross-ticks).

BIG RAVINE CREEK, MI
2011