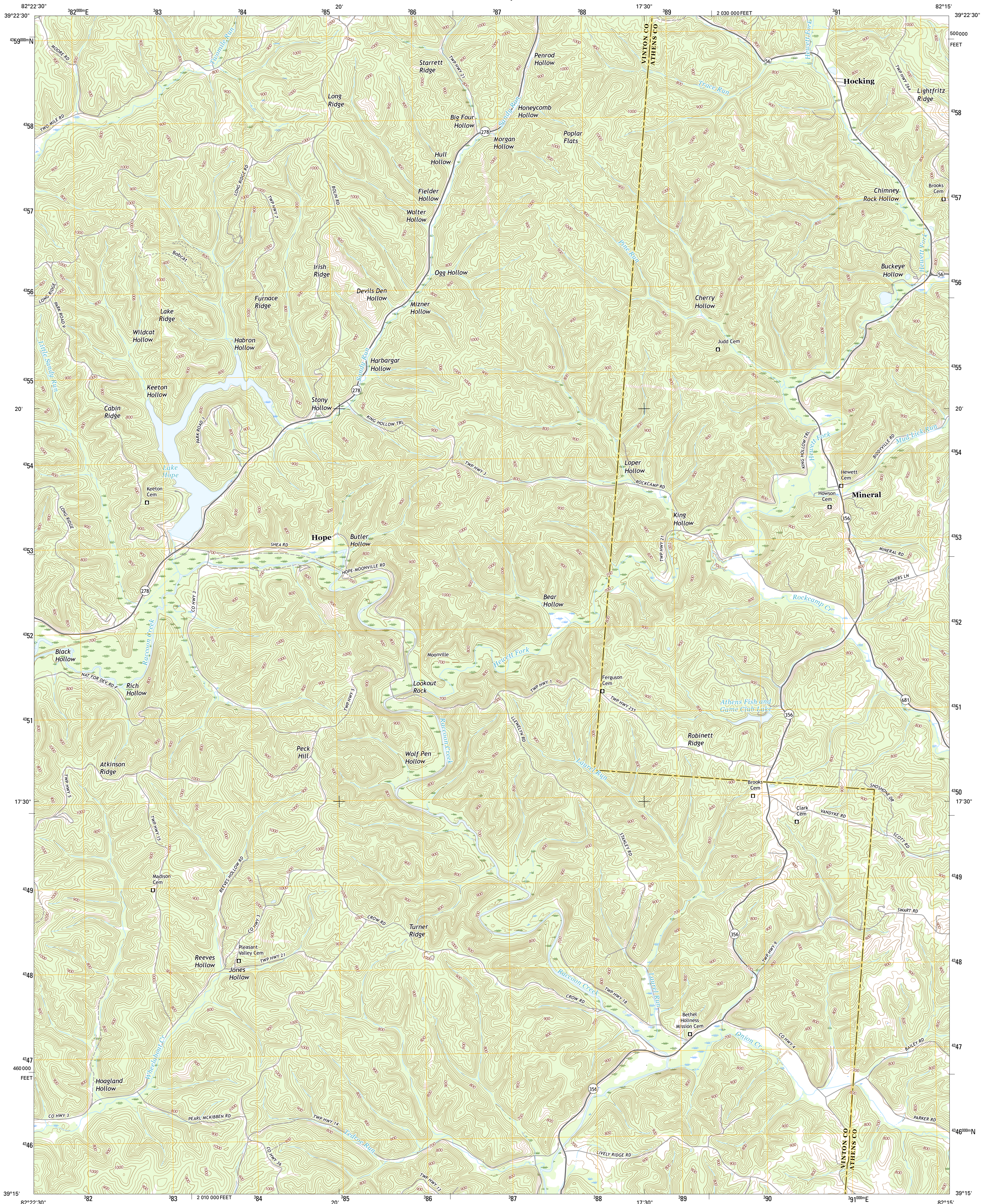




U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY



MINERAL QUADRANGLE
OHIO
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 17S
10 000-foot ticks: Ohio Coordinate System of 1983 (south 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
entering private lands.

Imagery.....NAP, October 2015
Roads.....U.S. Census Bureau, 2015 - 2016
Names.....GNIS, 2016
Hydrography.....National Hydrography Dataset, 2015
Contours.....National Elevation Dataset, 2010
Boundaries.....Multiple sources; see metadata file 1972 - 2016
Public Land Survey System.....BLM, 2015
Wetlands.....FWS National Wetlands Inventory 1977 - 2014

UTM GRID AND 2016 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000-m Square ID
LD
Grid Zone Designation
17S

SCALE 1:24 000
1 0.5 0 1 2
1000 500 0 1000 2000
1 0.5 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
KILOMETERS
METERS
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



QUADRANGLE LOCATION

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

1	2	3
4	5	6
7	8	9

ADJOINING QUADRANGLES

1 New Plymouth
2 Union Furnace
3 Nelsonville
4 Zaleski
5 The Plains
6 McArthur
7 Vales Mills
8 Albany

MINERAL, OH
2016



NSN 7644 USGS X 2 4 K 2 9 0 3
NGA REF NO.