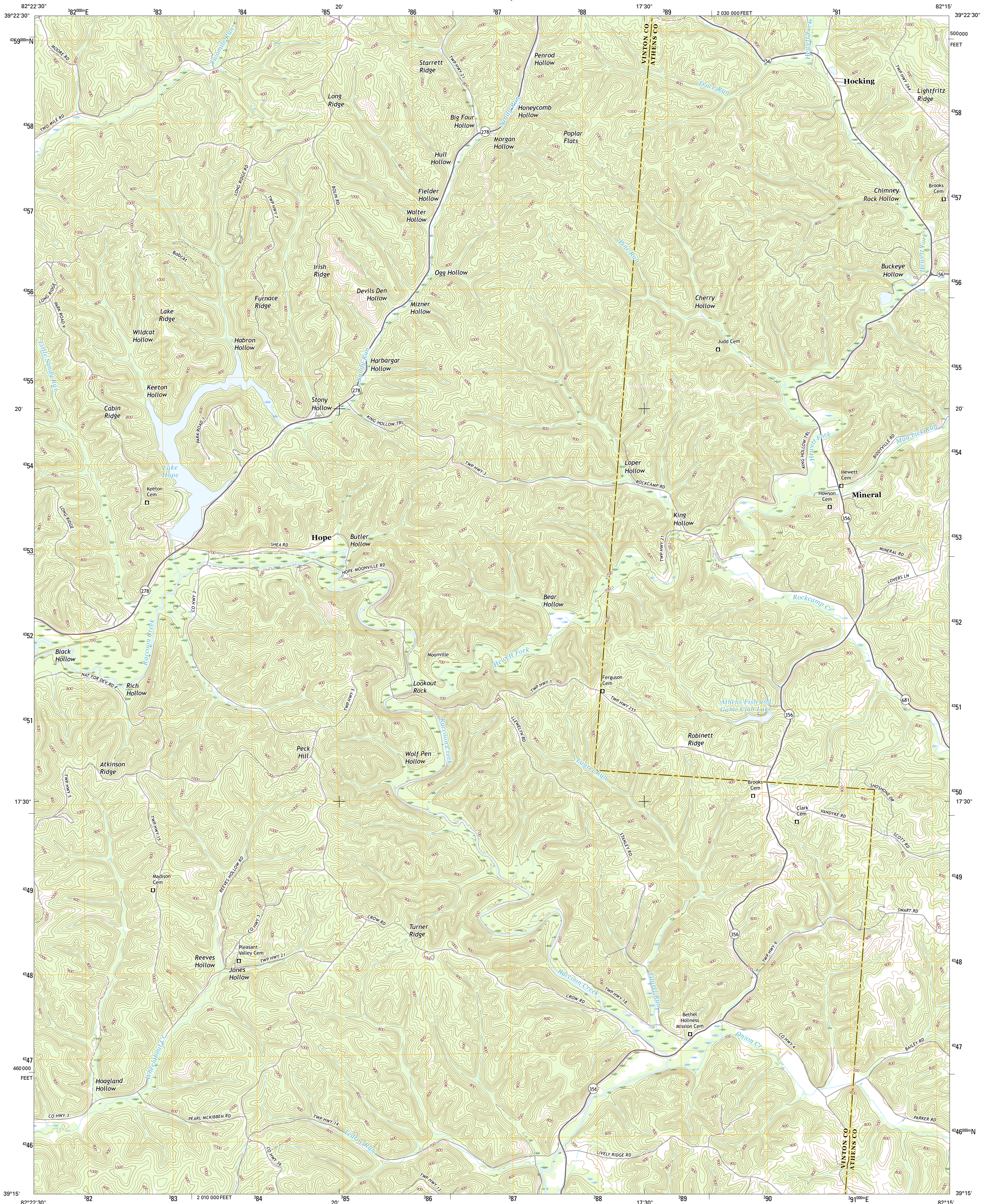




U.S. DEPARTMENT OF THE INTERIOR  
U.S. GEOLOGICAL SURVEY



MINERAL QUADRANGLE  
OHIO  
7.5-MINUTE SERIES



Produced by the United States Geological Survey  
North American Datum of 1983 (NAD83)  
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  
KILOMETERS  
1 0.5 0 1 2  
1000 500 0 1000 2000  
METERS  
1 0.5 0 1 2  
1000 500 0 1000 2000  
MILES  
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000  
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.