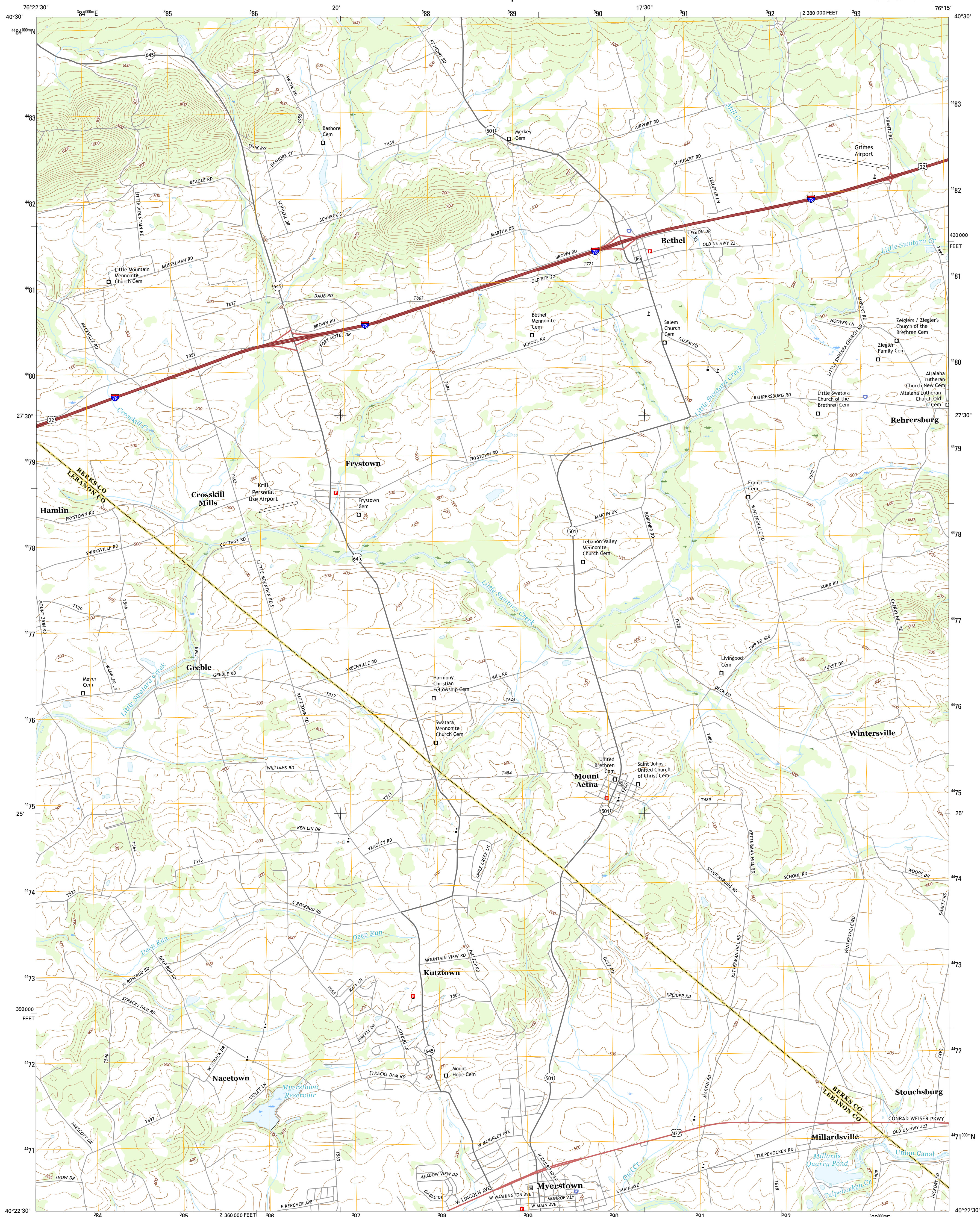




U.S. DEPARTMENT OF THE INTERIOR  
U.S. GEOLOGICAL SURVEY



**BETHEL QUADRANGLE**  
PENNSYLVANIA  
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 18T  
10 000-foot ticks: Pennsylvania 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.....	NAIP, June 2001	20
Roads.....	U.S. Census Bureau, 2015	20
Names.....	GNIS	20
Hydrography.....	National Hydrography Dataset	20
Contours.....	National Elevation Dataset	20
Boundaries.....	Multiple sources; see metadata file 1972	20
Wetlands.....	FWS National Wetlands Inventory 1977	20

Diagram illustrating the relationship between Magnetic North (MN) and Grid North (GN). The diagram shows a vertical line representing Grid North (GN) and a line representing Magnetic North (MN) that is rotated clockwise from GN. The angle between them is labeled as 11° 36' and 206 MILS. Below this, the angle is also labeled as 0° 51' and 15 MILS. The text below the diagram reads: UTM GRID AND 2016 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

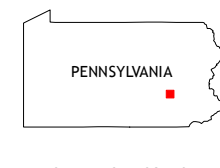
U.S. National Grid	100,000-m Square ID
UK	
Grid Zone Designation	18T

SCALE 1:24 000

The graphic scale bar is divided into four units: Kilometers, Meters, Miles, and Feet. The Kilometers scale ranges from 0 to 2, with markings at 0.5 and 1. The Meters scale ranges from 0 to 1000, with markings at 500 and 1000. The Miles scale ranges from 0 to 1, with markings at 0.5 and 1. The Feet scale ranges from 0 to 10000, with markings at 1000, 2000, 3000, 4000, 5000, 6000, 7000, 8000, 9000, and 10000.

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












1	2	3	1 Pine Grove
4		5	2 Swatara Hill
6	7	8	3 Friedensburg

ADJOINING QUADRANGLES

4 Fredericksburg  
5 Strausstown  
6 Lebanon  
7 Richland  
8 Womelsdorf

### ROAD CLASSIFICATION

Expressway		Local Connector	
Secondary Hwy		Local Road	
Ramp		4WD	

 Interstate Route
  US Route
  State Route

BETHEL, PA  
2016

