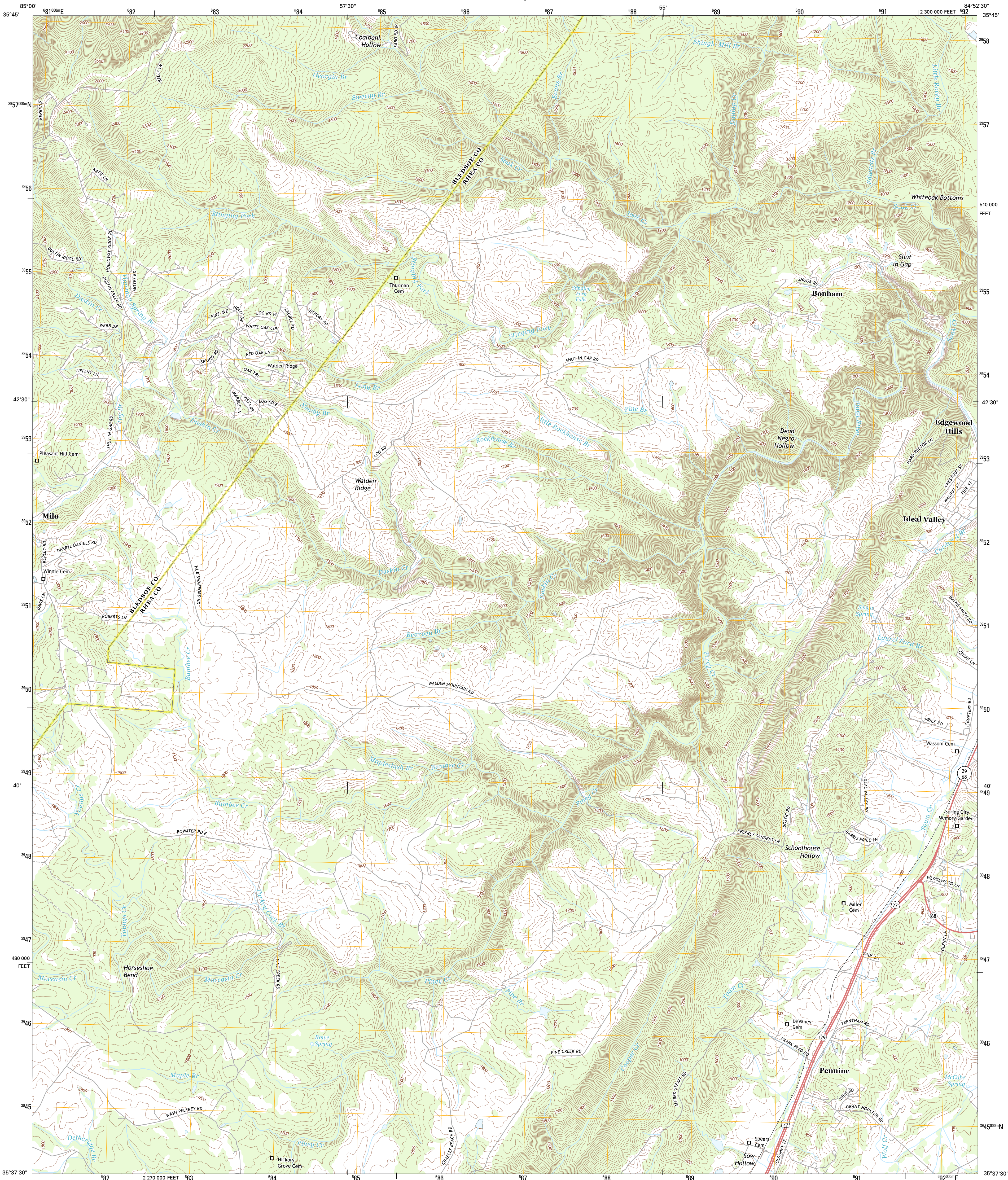




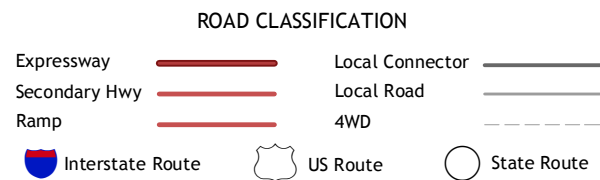
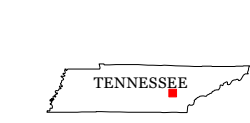
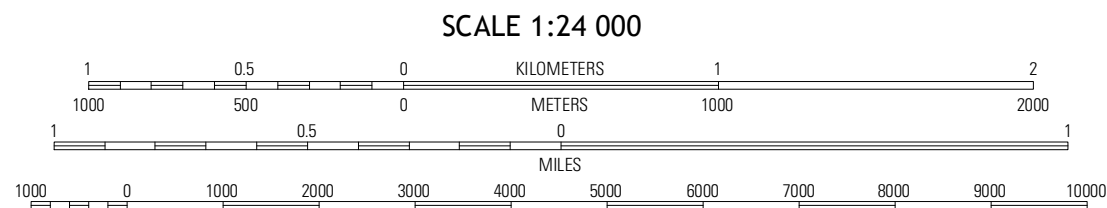
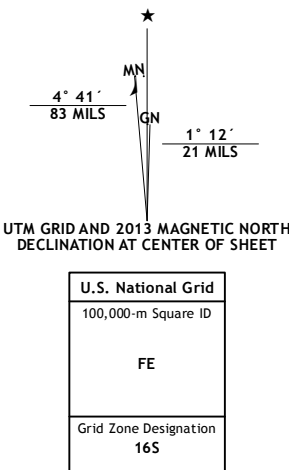
U.S. DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY



PENNINE QUADRANGLE
TENNESSEE
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 16S
10 000-foot ticks: Tennessee Coordinate System of 1983



QUADRANGLE LOCATION		
Vandever	Grassy Cove	Roddy
Melvine	Pennine	Spring City
Morgan Springs	Evansville	Decatur

PENNINE, TN
2013