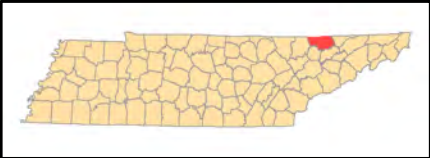
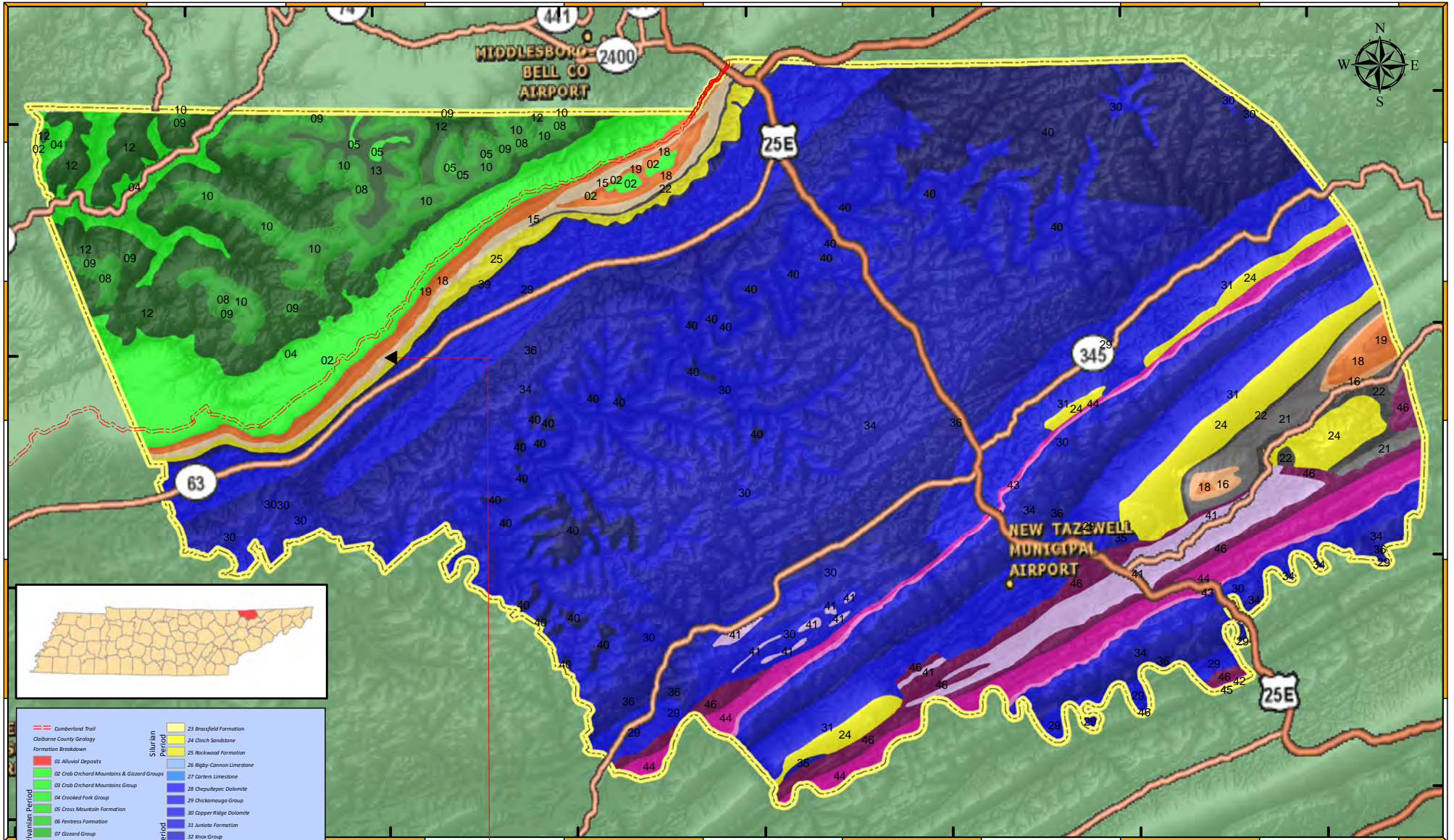
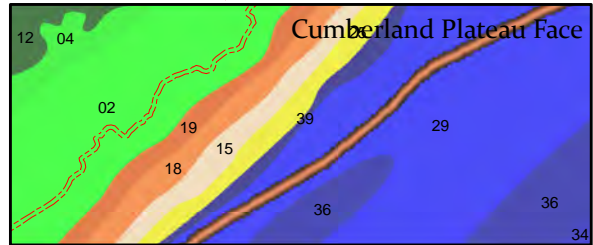


Claiborne County Geological Formation



Period	Formation Breakdown	Formation	Number	
Cumberland Trail	01 Alluvial Deposits	23 Brassfield Formation	23	
	02 Crab Orchard Mountains & Gizzard Groups	24 Clinch Sandstone	24	
	03 Crab Orchard Mountains Group	25 Rickwood Formation	25	
	04 Crooked Fork Group	26 Bigby-Cannon Limestone	26	
	05 Cross Mountain Formation	27 Carters Limestone	27	
	06 Pentress Formation	28 Chepulepec Dolomite	28	
	07 Gizzard Group	29 Chickamauga Group	29	
	08 Graves Gap Formation	30 Copper Ridge Dolomite	30	
	09 Indian Bluff Formation	31 Juniata Formation	31	
	10 Reback Mountain Formation	32 Knox Group	32	
	11 Rockcastle Conglomerate	33 Lebanon Limestone	33	
	12 Statesone Formation	34 Longview Dolomite	34	
	13 Vowell Mountain Formation	35 Middle and Lower Parts of Chickamauga Group	35	
Pennsylvanian Period	14 Bangor Limestone	36 Newala Formation, Mascof Dolomite	36	
	15 Fort Payne Formation	37 Pierce and Murfreesboro Limestones	37	
	16 Grainger Formation	38 Ridley Limestone	38	
	17 Monteagle Limestone	39 Sequatchie Formation	39	
	18 Newman Limestone	40 Wells Creek Group	40	
	19 Pennsion Formation	41 Canasauga Group	41	
	20 St. Louis Limestone	42 Maryville Limestone	42	
	21 Chattanooga Shale	43 Maynardville Limestone	43	
	22 Seedville Limestone	44 Nelchucky Shale	44	
	Mississippian Period	23	45 Pumpkin Valley Shale	45
		24	46 Rome Foundation	46
		25		
		26		
27				
28				
29				
30				
31				
32				
33				
34				



Claiborne County is in north-central East Tennessee. The Kentucky and Virginia State lines form its northern border. About one-fifth of the county is part of Cumberland Block, a distinct subregion of the Cumberland Plateau found primarily to the southwest in Campbell County. Although some of the rock units have been faulted and folded, much of the Pennsylvanian-age strata in this subregion consist of horizontal beds of sandstones, shales, conglomerates, and slatestones, along with coal seams of some economic importance. The other four-fifths of the county lies in the Valley and Ridge. Although some rock units have been faulted and folded, most of them in this part of the county are nearly horizontal. Cambrian and Ordovician dolomites are the dominant strata. Elevations of the ridges and peaks in the block part of the county are 1,800 to over 2,500 feet, with Bryson Mountain, the highest, a little over 3,200 feet.