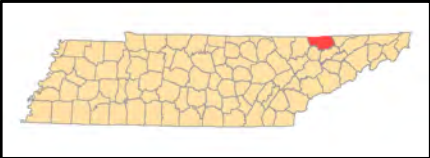
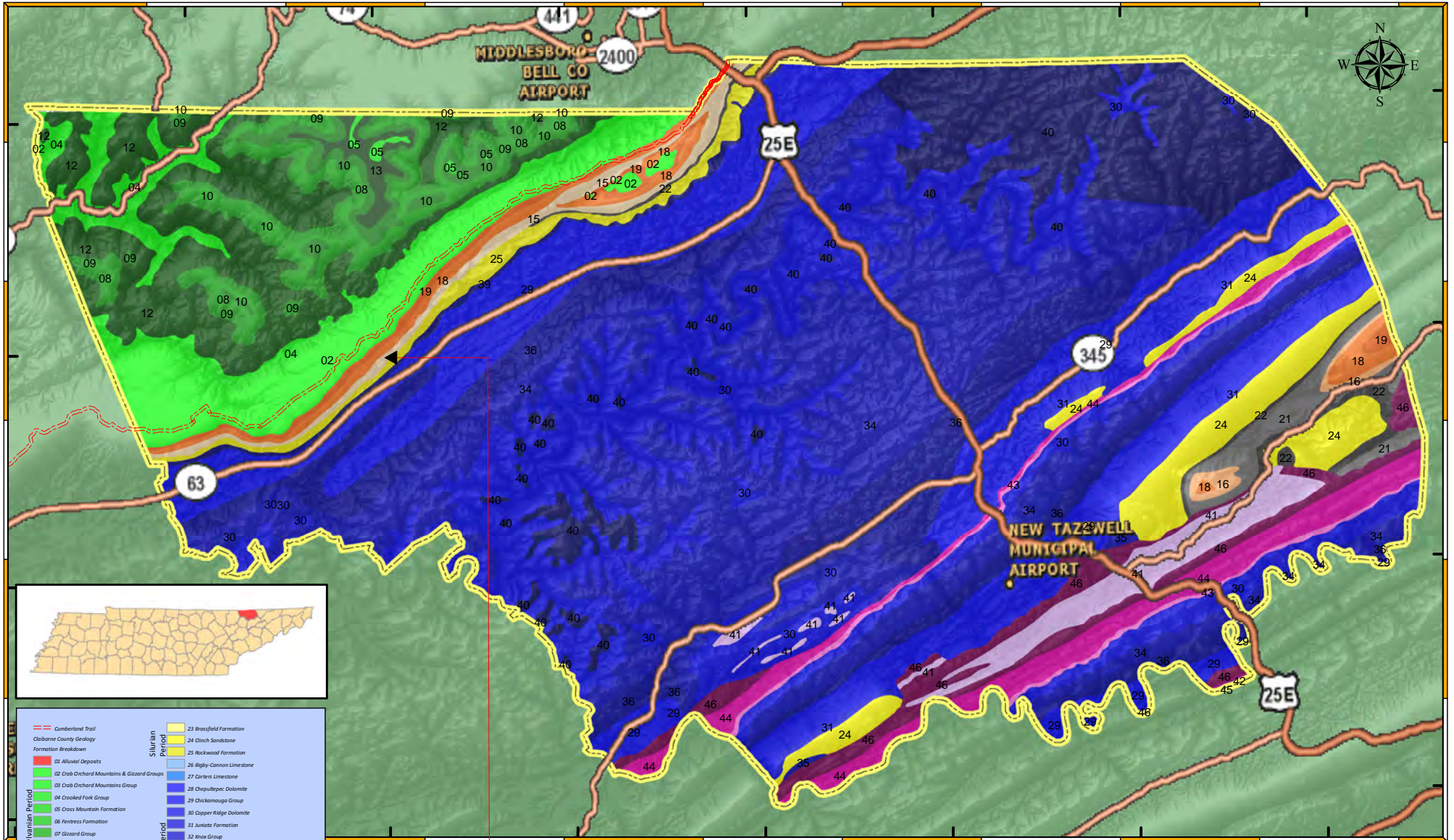
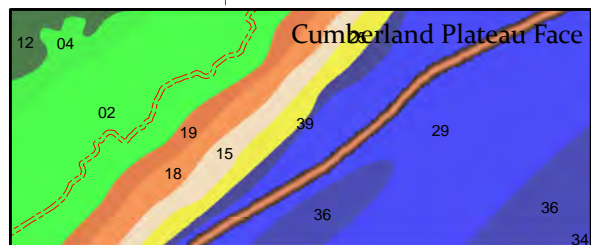


Claiborne County Geological Formation



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



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.