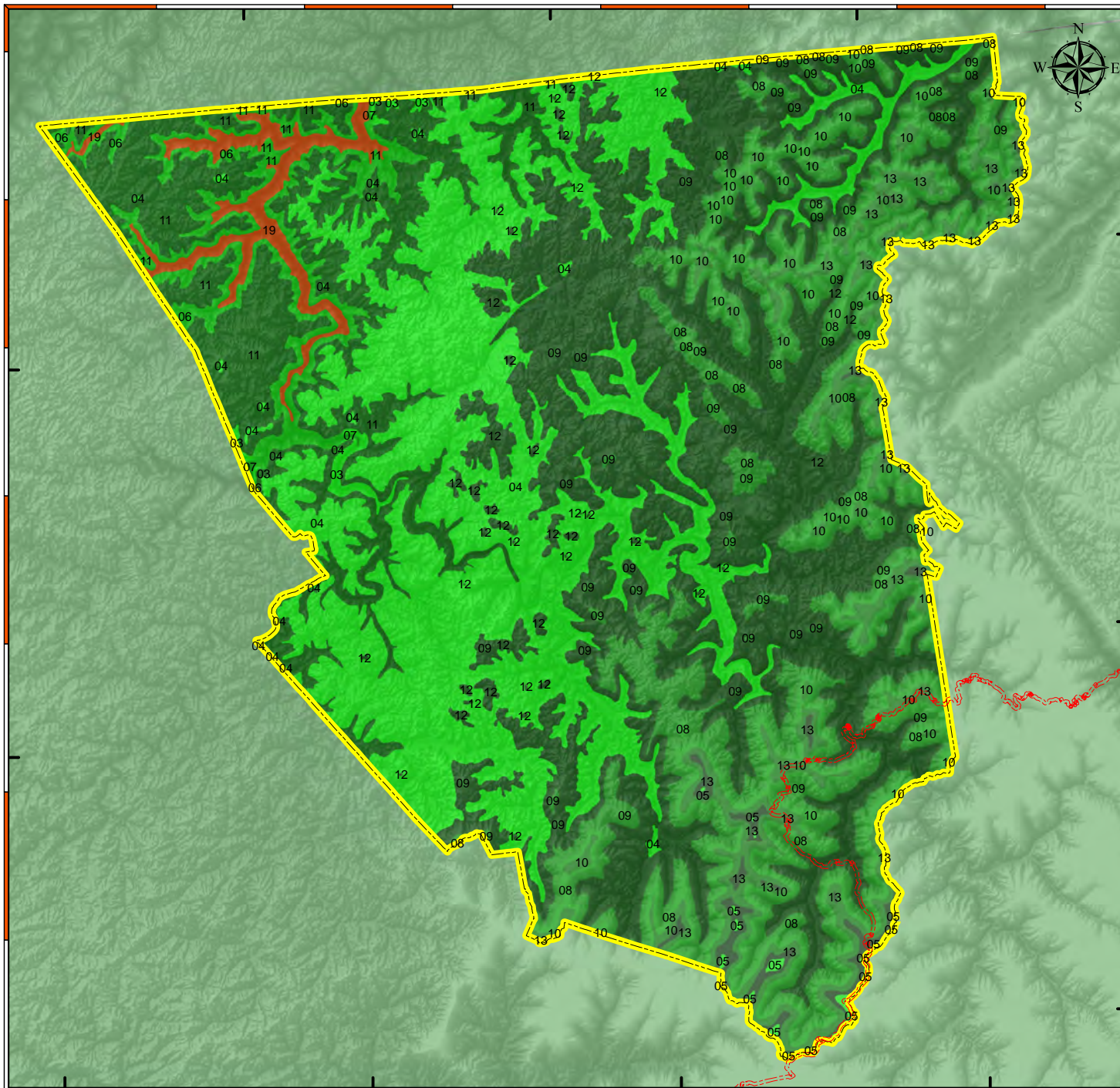
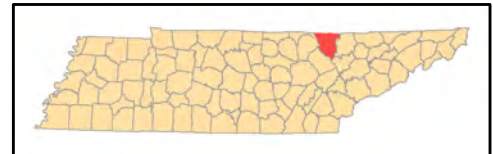


Scott County Geological Formation



Scott County is at the northwest corner of East Tennessee and bounded on the north by the Kentucky State line. Although entirely part of the Cumberland Plateau, the county has two distinct topographic terrains. The county's northern and western half is an eroded tableland with scattered ridges and deeply cut stream gorges. Along the county's eastern border and in the southern part, its remaining area is comprised of winding mountainous ridges. Streams forming deeply cut gorges and valleys have dissected the ridges. This rugged area is the western part of Cumberland Mountains, a major subregion of the plateau province. Both of these terrains are composed primarily of nearly level beds of Pennsylvanian-age sandstones, shales, and conglomerates, along with minable coal seams. Relatively level beds of Mississippian-age sandstones, shales, and siltstones line the lower walls of the stream gorges of Big South Fork of Cumberland River and its larger tributaries. Big South Fork of Cumberland River and its tributaries have dissected Scott County's eroded tableland. Level areas are relatively sparse, with relief commonly 200 to 300 feet. The western side of the tableland along the county's western border has an average elevation of 1,600 feet.

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Scott County Geology Formation Breakdown		Stratigraphic Period
—	Cumberland Trail	
01	Alluvial Deposits	Pennsylvanian Period
02	Crab Orchard Mountains & Gizzard Groups	
03	Crab Orchard Mountains Group	
04	Crooked Fork Group	
05	Cross Mountain Formation	
06	Fentress Formation	
07	Gizzard Group	
08	Graves Gap Formation	
09	Indian Bluff Formation	
10	Redook Mountain Formation	
11	Rockcastle Conglomerate	
12	Slatestone Formation	
13	Vowell Mountain Formation	
14	Bangor Limestone	Ordovician Period
15	Fort Payne Formation	
16	Grainger Formation	
17	Monteagle Limestone	
18	Newman Limestone	
19	Pernington Formation	
20	St. Louis Limestone	
21	Chattanooga Shale	
22	Sneedville Limestone	
23	Brassfield Formation	
24	Clinch Sandstone	
25	Rockwood Formation	
26	Bilby-Cannon Limestone	
27	Carters Limestone	
28	Chepatepec Dolomite	
29	Chickamauga Group	
30	Copper Ridge Dolomite	
31	Junata Formation	
32	Knox Group	
33	Lebanon Limestone	
34	Longview Dolomite	
35	Middle and Lower Parts of Chickamauga Group	
36	Newala Formation, Mascot Dolomite	
37	Pierce and Murfreesboro Limestones	
38	Ridley Limestone	
39	Sequatchie Formation	
40	Wellb Creek Formation	
41	Conasauga Group	
42	Maryville Limestone	
43	Maynardville Limestone	
44	Nokichucky Shale	
45	Pumpkins Valley Shale	
46	Rome Foundation	

Map produced by Jim Brannon - Cumberland Trail SST - 11/09/2009