

Physiographic Province	Lithotectonic Element (Hibbard et al. 2006; 2007)		Lithotectonic Element (Hatcher et al. 2007)	
Appalachian Plateau and Valley and Ridge ~~~~~ Great Smoky and Associated faults ~~~~~	Laurentian Realm	lapetus drift facies – passive margin sequence overlain by Taconic foreland basin	Laurential Platform and Rifted Margin	Platform rocks and clastic wedges
		Great Smoky and associated faults		Great Smoky and associated faults
		lapetus Rift facies		Rifted Margin rocks
Blue Ridge	~~~~ Hollins Line – Pleasant Grove fault system ~~~~		~~~~~ Hayesville – Soque River fault ~~~~~	
	Iapetan Realm	Multiply tectonized accretionary complex	Terranes accreted during Taconian Events	
~~~~ Chattahoochee - Holland Mountain - Burnsville fault ~~~~~				
Brevard Zone		Alleghean events	Tugaloo terrane and Smith River allochthon	
Six Mile nappe			Brindle Creek fault	
Brindle Creek Fault	Cat Square terrane			
Unnamed gneiss and schist	~ Central Piedmont Shear Zone ~~~~~		~ Central Piedmont Shear Zone ~~~~~	
Piedmont	Peri-Gondwanan Realm	Suprastructural magmatic-arc and associated rocks	Kings Mountain terrane	
		Infrastructural magmatic-arc oceanic rocks (includes Kings Mth.)	Central Piedmont Suture	
			Carolina Superterrane	Carolina terrane
				Charlotte terrane
Continental rift basins and magmatism related to formation of the Atlantic Ocean		Triassic - Jurassic basins		
//////////////////////////////////// Pre - Cretaceous Unconformity - Fall Line //////////////////////////////////////				
Coastal Plain	Coastal Plain		Coastal Plain and subsurface terranes	

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WILLIAM STATES LEE III  
 NUCLEAR STATION UNITS 1 & 2  
 Correlations between Physiographic Provinces  
 and Recent Lithotectonic Classifications  
 FIGURE 2.5.1-235 Rev 2