

Physiographic Province	Lithotectonic Element (Hibbard et al. 2006; 2007)		Lithotectonic Element (Hatcher et al. 2007)	
Appalachian Plateau and Valley and Ridge	Laurentian Realm	lapetus drift facies – passive margin sequence overlain by Taconic foreland basin	Laurential Platform and Rifted Margin	Platform rocks and clastic wedges
		<i>Great Smoky and associated faults</i>		<i>Great Smoky and associated faults</i>
		lapetus Rift facies		Rifted Margin rocks
	~~~ Hollins Line – Pleasant Grove fault system ~~~		~~~~~ Hayesville – Soque River fault ~~~~~	
Blue Ridge	Iapetan Realm	Multiply tectonized accretionary complex	Terranes accreted during Taconian Events	
			~~~~~ Chattahoochee - Holland Mountain - Burnsville fault ~~~~~	
		Brevard Zone	Alleghenian 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 ~~~~~		Kings Mountain terrane	
Piedmont	Peri-Gondwanan Realm	Suprastructural magmatic-arc and associated rocks	Central Piedmont Suture	
		Infrastructural magmatic-arc oceanic rocks (includes Kings Mth.)	Carolina Superterrane	
			Carolina terrane	
	Continental rift basins and magmatism related to formation of the Atlantic Ocean		Charlotte terrane	
			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