

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
~~~~ Great Smoky and Associated faults ~~~~~	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 ~~~~~		Kings Mountain terrane		
Peri-Gondwanan Realm	Suprastructural magmatic-arc and associated rocks		Central Piedmont Suture	
	Infrastructural magmatic-arc oceanic rocks (includes Kings Mth.)		Carolina Superterrane	Carolina terrane
Piedmont	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