

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	Tugalo terrane and Smith River allochthon	
		Six Mile nappe		<i>Brindle Creek fault</i>	
	<i>Brindle Creek Fault</i>	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.)	<i>Central Piedmont Suture</i>		
	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		

WLS COL 2.5-1

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