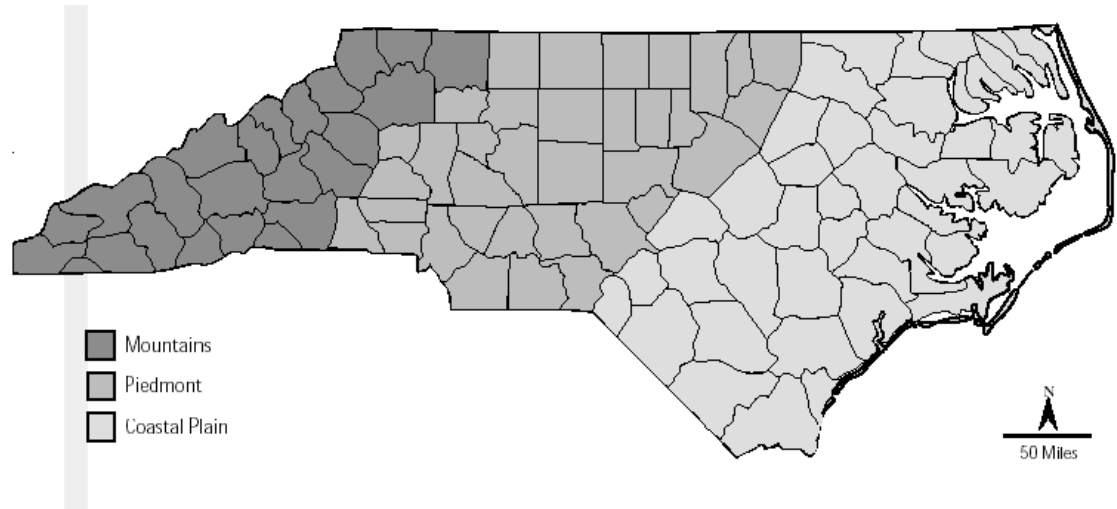


NC Geology

Regions of NC

- North Carolina can be subdivided into specific regions.
 - Mountains
 - Piedmont
 - Coastal Plain



Mountains

- The mountains of NC are known as the Blue Ridge Mountains, part of the Appalachian Mts
- Known for their blue hue
- Created from the collision of North America into Europe
 - Started growing around 400 mya (Paleozoic Era)
 - Stopped growing around 270 mya



Piedmont

- Piedmont- Italian word for “foot of the mountain”
- Area less steep than the mountains but steeper than the coastal plain.
- Created by weathering and erosion of mountains



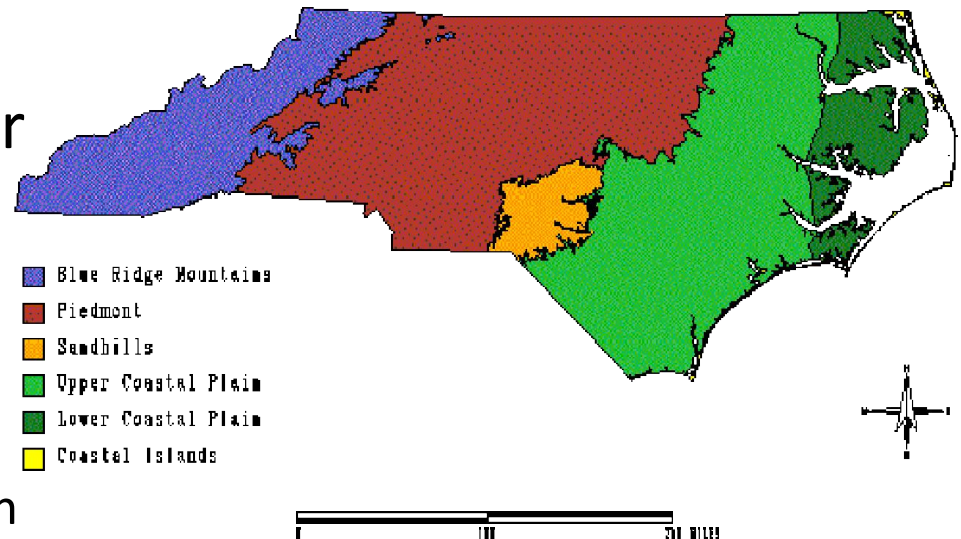
Fall Zone

- The fall zone is the boundary between these two different types of bedrock.
- Piedmont and Coastal plains contain different types of bedrock.
 - Piedmont is Metamorphic
 - Coastal Plain is Sedimentary



Coastal Plain

- Flatter than the piedmont. Divided between inner and outer coastal plain regions
 - Inner Coastal plain is steeper and dryer than the outer coastal plain
 - Contains Sandhills Region
 - Outer coastal plain contains swamps and outer banks
- Created from weathering by tides over time



NC Geologic Timeline

1.7 BYA – NC land forms

444 MYA – NC and Europe begin to collide

320 MYA – Pangaea forms with NC in heart

250 MYA – Pangaea breaks, Mountains start to weather

145 MYA – Oceans recede, Coastal plain visible

145 Mya – present: ocean advances and recedes multiple times

