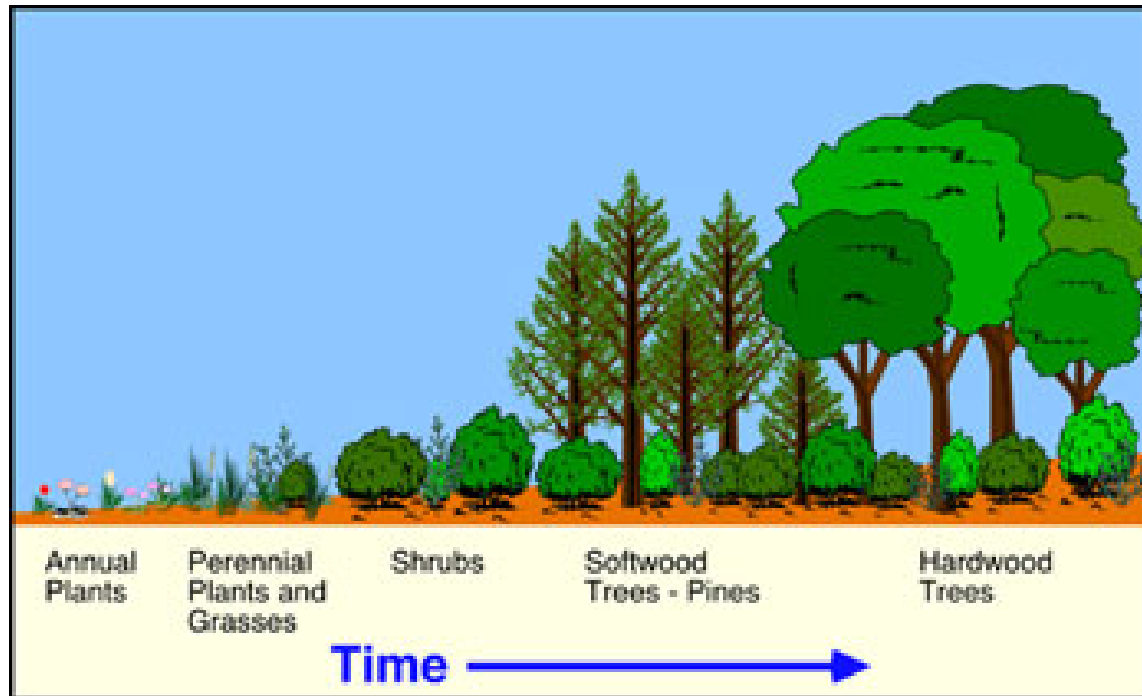


Piedmont

- Foot (Pied) hill (mont)
- Fall Line
- Clayey, silty, loamy
- complex geology

Coastal Plain

- Fall Line
- Generally wet, marsh & swampland
- Sandy soils



Succession – The natural process of maturation an environment goes through to reach climax growth and vegetation.

5 Clementian Successional Concepts

1. Succession is predictable and directional
2. Each species alters its environment to suppress itself and favor the requirement for it's successor
3. Species and associations have a place in the successional order
4. Increase in biomass happens as succession progresses
5. Soil develops behind and in conjunction with plant succession. (concomitant principle)

Piedmont of PRWI

Mesosere- Well Drained Soils

Initial Woody Successional

- Virginia Pine
- Eastern Red Cedar
- Flowering Dogwood
- Redbud
- Sassafrass

Growing Forest Habitat

- Ash
- Red Maple
- Tulip Poplar
- Sweet Gum

Climax Forest Habitat

- Oaks
- Hickories
- American Beach

85%

Xerosere- Dry Soil Habitats

Initial Woody Successional

- Virginia Pine

Growing Forest Habitat

- Blackjack Oak
- Chestnut Oak
- Maple

Growing Forest Habitat

- Sourwood
- Dogwood

Climax Forest Habitat

- Chestnut Oak
- Mockernut Hickory
- Pignut Hickory

10%

Hydrosere- Wet Soil Habitats

- Pin Oak
- Swamp White Oak
- Willow Oak
- Shumard Oak
- Swamp Chestnut Oak
- Hickory
- Ash
- Sweet Gum
- Winged Elm
- Sycamore
- River Birch
- Ironwood
- Alder

5%

Threats to Community Health

Invasive Species

Flora



Wisteria, Multiflora rose, Japanese knotweed, Microstegium, Oriental bittersweet, Autumn olive...

Gypsy moth, Hemlock woolly adelgid, Emerald ash borer, Zebra mussels, Northern snakehead fish...

Fauna



Urban Sprawl

Forest Fragmentation



- Interrupts migration pathways
- Decrease in faunal genetic diversity
- Increase in erosion

Impervious Surfaces

- Increases runoff and erosion
- Moves oils and chemicals from road surface to streams
- Increases temperature of surrounding communities



Other: Wildlife (or lack thereof), air pollution, point source pollution