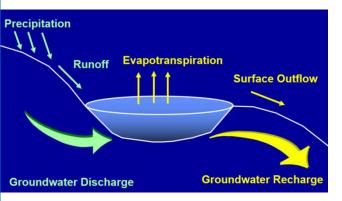
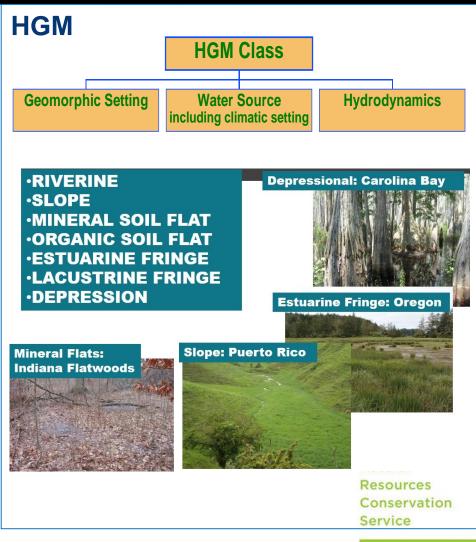
## Summary

### **Source Waters and Soils**



- 1. Depth to water table
- 2. Soil textures/particle size
- 3. Restrictive layers
  - Fragipans
  - Bedrock
  - Abrupt textural changes
- 4. Frequency and intensity of water inputs
  - Color/Chroma
  - Presence of redoximorphic features
  - Flooding frequency
  - Ponding duration
  - Shallow depth to water table





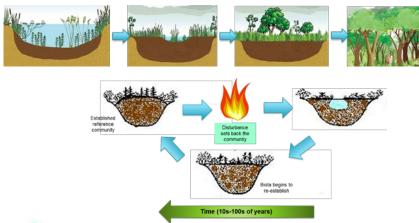


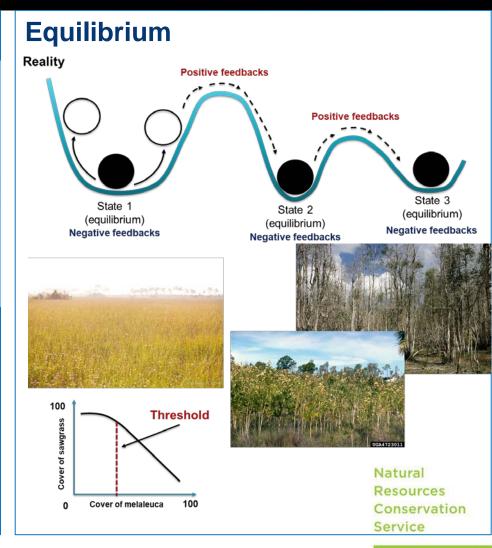
of years

## Summary (cont.)

## **Primary vs. Secondary Succession**

#### **Primary Succession** Secondary Succession Conceptually starts in Soil is already present open waters Water source is interrupted Soil is formed through the process Both result in a Pioneer species facilitate trajectory toward a recovery post-disturbance Pioneer species facilitate stable, self-regulating soil development community that is in Not always a linear equilibrium with the Conceptual linear trajectory towards trajectory back towards the biotic and abiotic stable reference community reference community characteristics of the ecosystem Disturbances are Disturbances are primarily primarily disruptive to processes like glacial retreat the water and vegetation or lava flows Takes only years to Takes thousands several decades

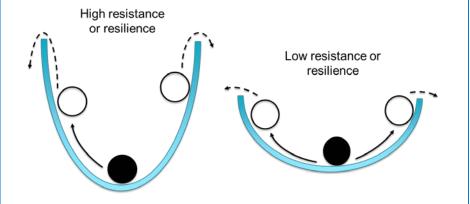






# Summary (cont.)

### **Resistance & Resilience**





## **Ecological Dynamics**

### Timing, Frequency, Duration of Wetness

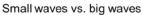






Low slope vs. steep slope







Gentle rains vs. heavy downpours







Natural Resources Conservation Service

