

# RESIDUAL REMOVAL AND BIODIVERSITY

- **Downed woody material (DWM) linked to life history requirements of many wildlife species**
  - Reproduction
  - Foraging
  - Escape cover
  - Thermoregulation
  - Perching sites

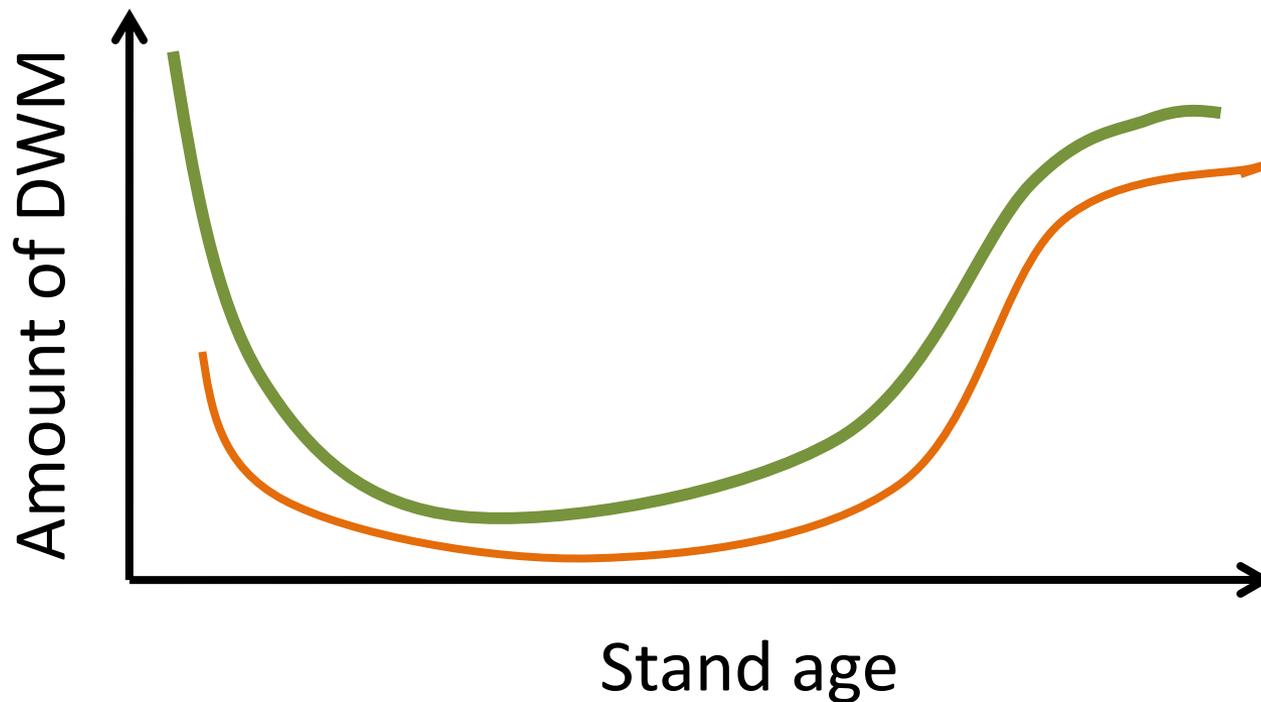


**Does biomass harvesting have negative effects on biodiversity?**



# DISTRIBUTION OF DWM

- **Cycle of DWM through stand succession**
- **Stand and landscape level wood not equally distributed or managed**



# CURRENT KNOWLEDGE

- **Up to 85% residual removal did not change:**
  - Diversity of amphibians, reptiles, small mammals
  - Abundance of amphibians, reptiles, small mammals
  - Survival or reproduction of small mammals
  - Avian diversity
- **Knowledge gaps:**
  - Systems other than southeastern U.S. plantations
  - DWM dynamics past 4-years post-harvest
  - Effects at larger spatial scales
  - Thresholds of DWM required to support biodiversity within forested systems

