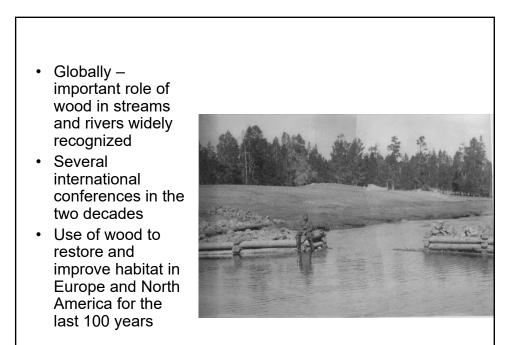
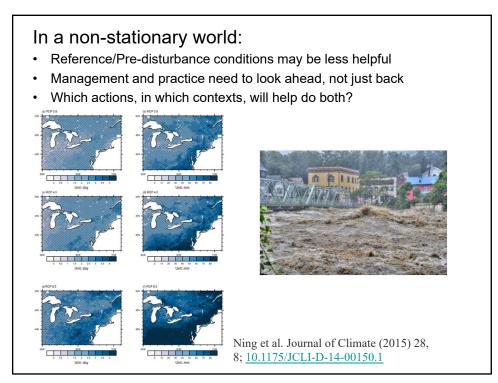
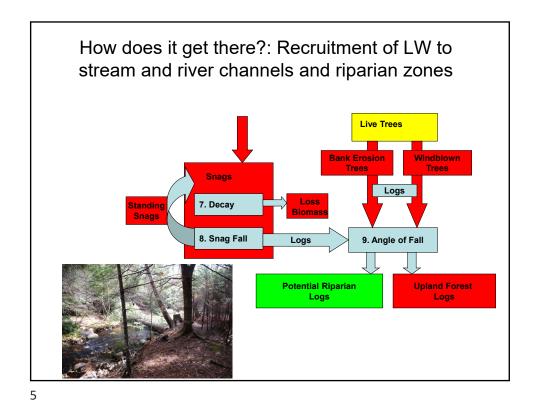
Recruitment and Fate of Wood in Stream and River Ecosystems: Implications for Management

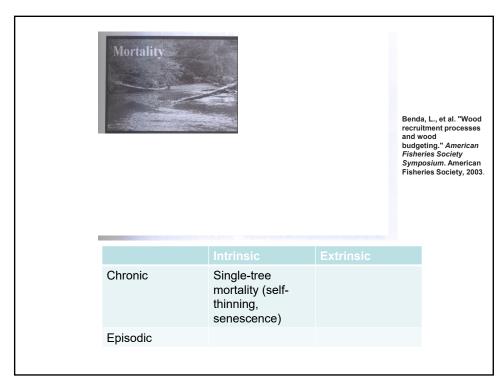


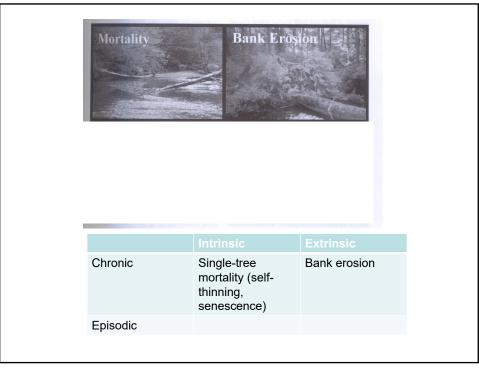




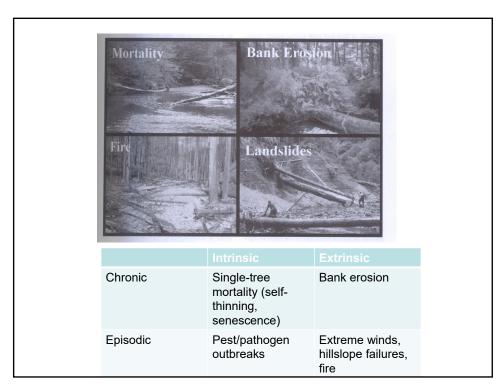


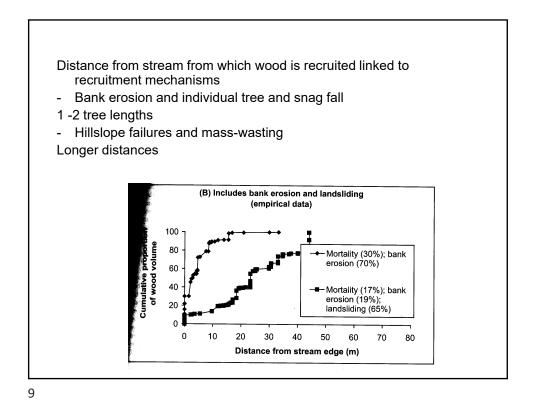


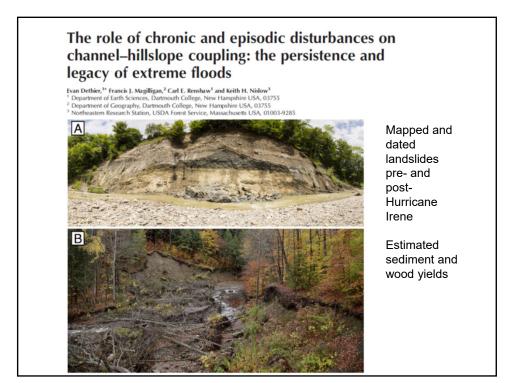


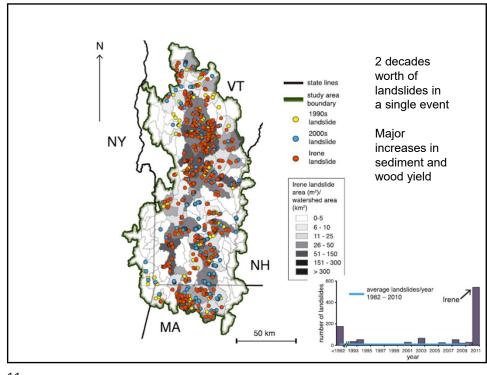


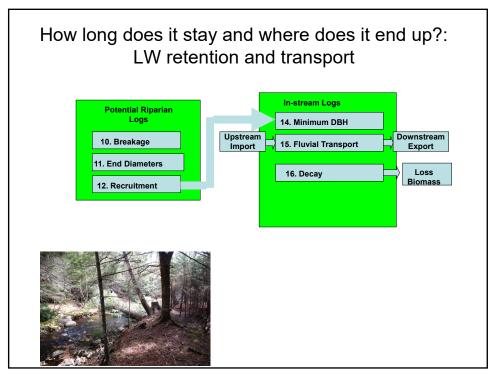


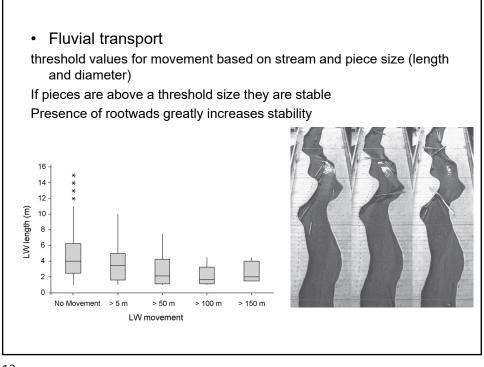


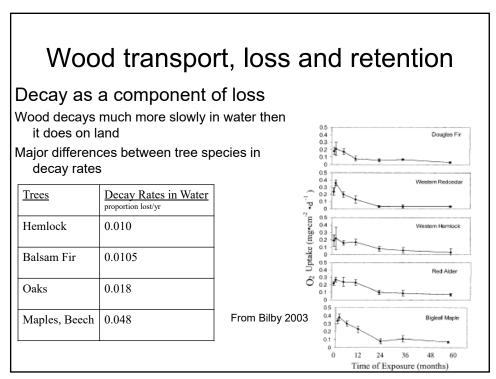


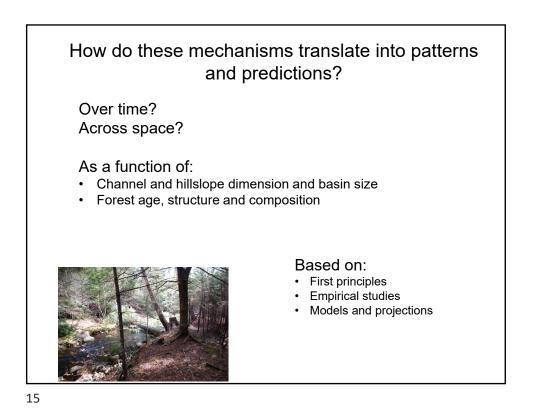


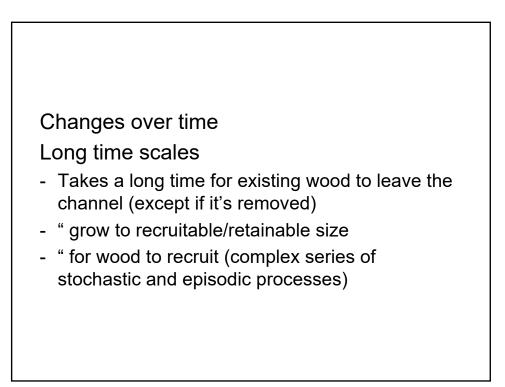


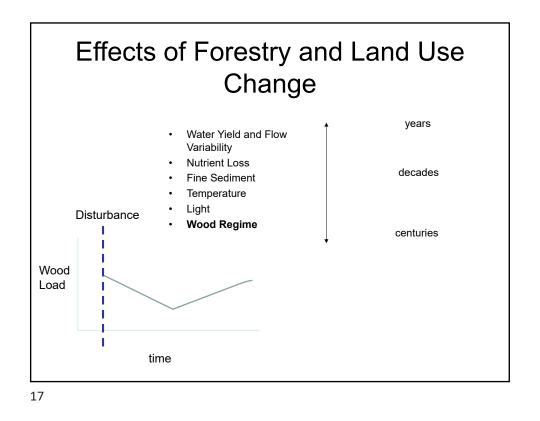


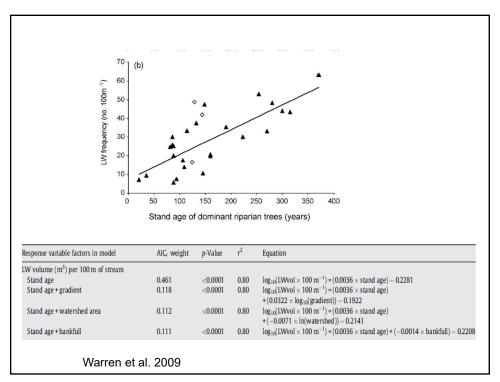


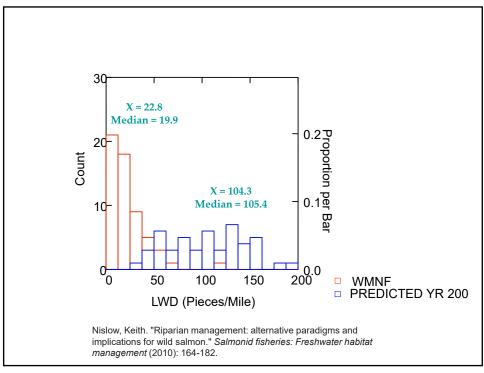




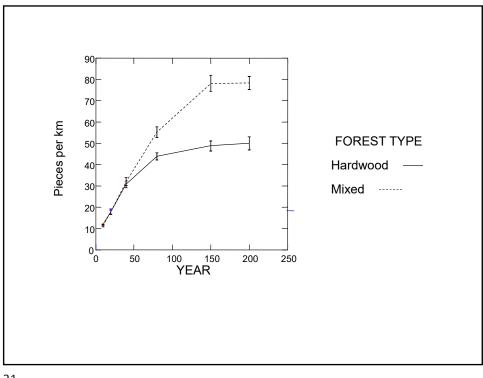


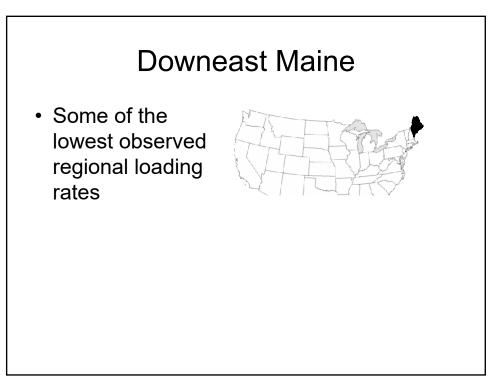


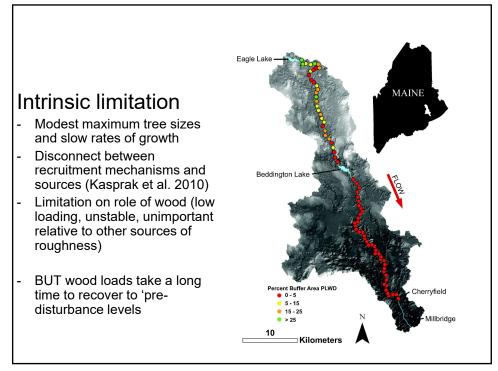


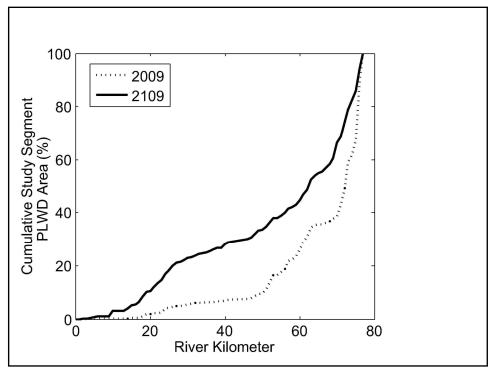


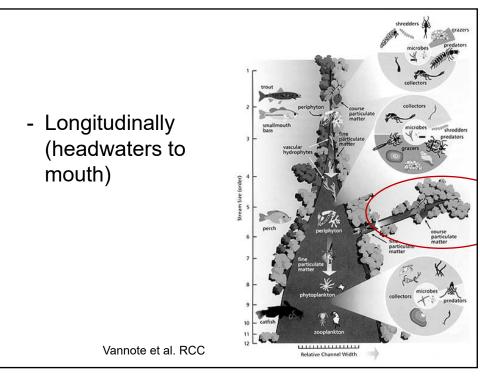
Influence of forest composition across sites and regions								
	Growth Rate and Stem Density	Maximum Size	Decay Rate	Shade Tolerance	Flood tolerance			
Eastern White Pine	Fast, high	Very Large	Slow	Intolerant	Intolerant			
Northern Red Oak Fastern Hemlock	Fast, low	Large	Moderate	Somewhat Tolerant Tolerant	Intolerant			
	Slow, high	Large	0.011	loioraint	intereraint			
Sugar Maple	Mid, low	Large	Fast	Tolerant	Intolerant			
American Beech	Slow, low	Large	Fast	Tolerant	Intolerant			
Quaking Aspen	Fast, high	Small-Medium	Very Fast	Intolerant	Intolerant			
Green Ash	Mid, low	Medium	Fast	Somewhat tolerant	Tolerant			

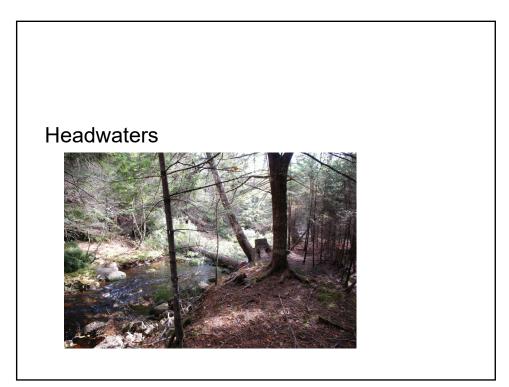


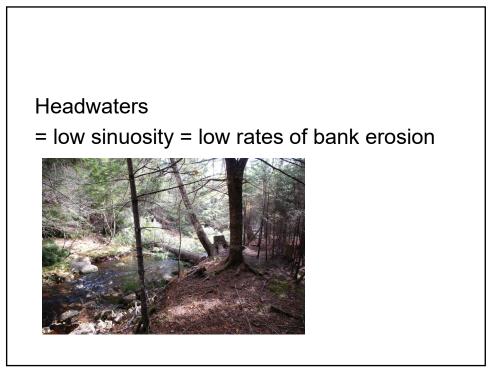


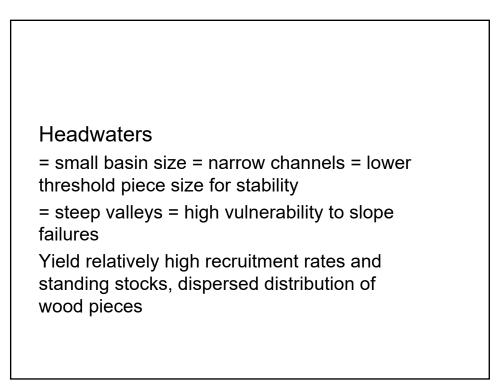


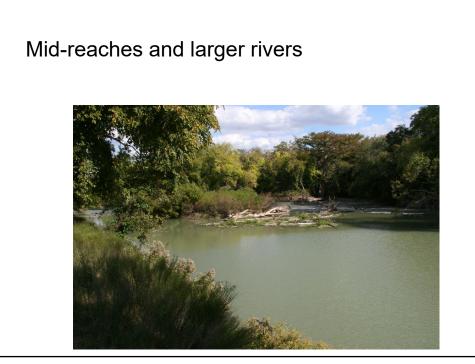


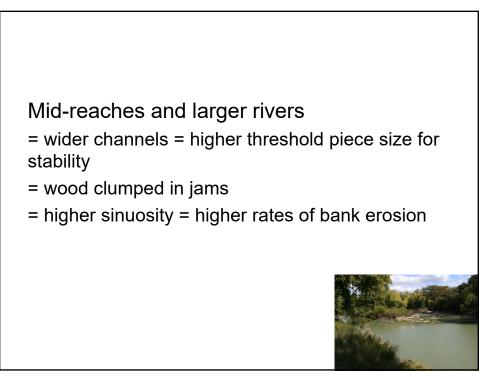


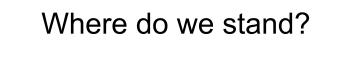






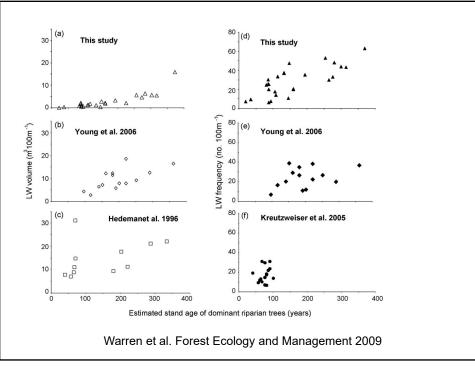


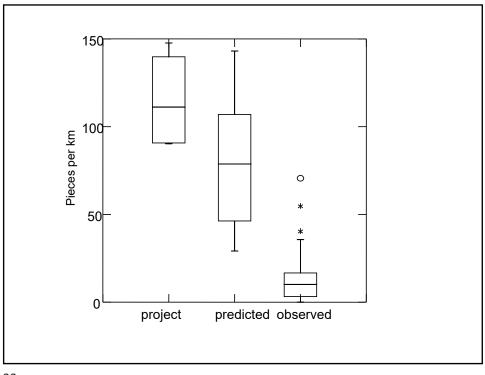


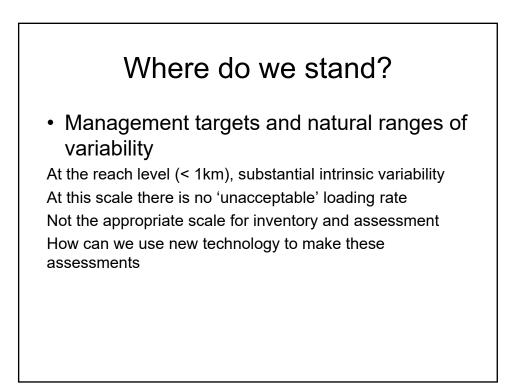


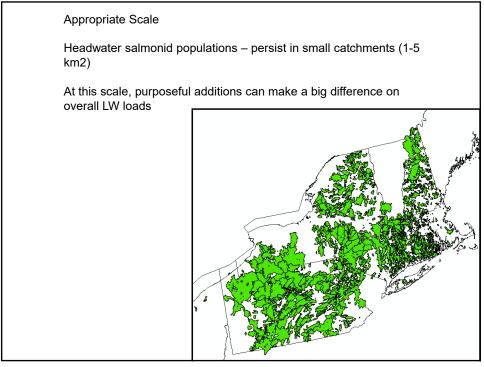
- Both empirical and mechanistic models indicate increasing wood loads with increasing stand age in much of the east
- General justification for conservation/restoration

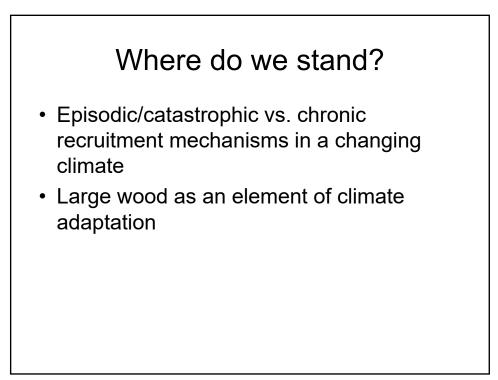


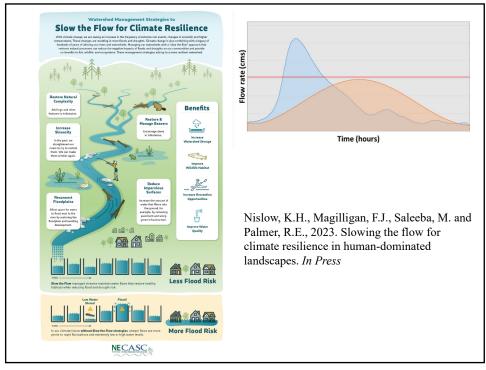












Management Action	Mechanism	Increased local flooding	Scale	Conservation Targets	Watershed Position
Impervious Surface Conversion	Soil and Groundwater Storage	No	Watershed	Terrestrial	Lowlands
Increasing Channel Sinuosity	Increased effective channel length	Not necessarily	River Corridor	Aquatic	Lowlands/ Uplands
Large Wood Addition/ Restoration	Increased channel roughness	Yes	River Channel	<mark>Aquatic</mark>	Uplands
Floodplain/Riparian Forest Restoration	Increased bank and floodplain roughness	Yes	River Corridor	Aquatic/ Terrestrial	Lowlands
Watershed Forest Restoration	Increased Canopy Interception	No	Watershed	Terrestrial	Uplands
Wetland Restoration (Including Beaver Restoration)	Storage in wetlands and ponds	Yes	River Corridor	Aquatic/ Terrestrial	Lowlands/ Uplands (Beaver)
Floodplain Reconnection	Storage in floodplains	Yes	River Corridor	Aquatic/ Terrestrial	Lowlands

