



#	Assemblages	Processes	Uncertainties	Key Info Need
	Species migration			
	Vegetation - Seasonality			
	Hydrologic regime - seasonality	Engineering design, risk assessment, fish habitat	Lack temporal depth and spatial breadth of information	
	Phenology		National Phenology Network already working on it	
	Microbial species		Global Microbiome Project	
	Wetland spatial data layer		State has older data	
	Identify gaps in physical data - hydrological, atmospheric	Weather station data, aquatic habitat changes - water temp, chemistry, etc.		
	Better soil carbon databases	Integrate into spatial mgmt decisions		
	Surficial geological maps (1:60,000 would be ideal)		Available where there are engineering or mining issues	
	Bedrock maps	Infer geochemistry, anticipate possible development, developing species maps	Not comprehensive at an appropriate scale; older maps have out-dated classifications or were created from aerial photos	
	Process data - productivity, carbon and nitrogen fluxes		Difficulty scaling	
	Need long-term sites			
	Climatological data			
	Setting priorities for ecological site inventories			