



Category	Forest Assessment Issues <sup>1</sup>	Stakeholder Priority <sup>2</sup>
Forest Stressors		•
Abiotic	Air Pollution	10
	Storms (hurricanes, etc.)	6.3
	Fire (lightning strikes, etc.)	6.3
Biotic	Insects and Diseases	9.5
	Animal Damage	
	Exotic Plants and Animals	8.3
Land Use and Management	Urban Expansion	
	Fire (human ignitions) and Fire Suppression	6.3
	Mining Activities	
	Timber Harvest	7.6
	Road Building	6.3
Forest Response		1
Tree Vitality	Crown Dieback	5.9
	Tree Damage	6.3
	Tree Mortality	8.5
	Tree Regeneration	10
Forest Condition		
Productivity	Timber Productivity	7.6
	Non-Timber Productivity	5
	Game Species Productivity	7.5
Conservation of Soil Systems	Soil Erosion	8.3
	Soil Accumulation of Toxic Compounds	8.8
	Soil Nutrient Pools and Cycling	8.3
	Soil Compaction	5.5
Conservation of Aquatic Systems	Sedimentation	10
	Chemical Contamination	10
	Riparian Buffers	
Carbon Sequestration	Soil Carbon	8.3
	Above-ground trees	
	Above-ground plants	
Biological Diversity	Plant Species Richness	7.5
	Non-game Wildlife Species Richness	9
	Forest Birds Species Richness	9
	Habitat Suitability for T&E Species	9





Figure 2. Criterion 3 relationships between biotic stressors (grouped by categories) (Indicator 15) that negatively affect forest ecosystems at large, landscape scales, and their primary, initial effects on forest ecosystem processes, and variables that are process-indicators that can be monitored at landscape-



Figure 3. Primary, initial relationships of abiotic stressors (grouped into 4 categories) of Criterion 3, Indicator 16 on key ecological processes (Indicator 17) in forest ecosystems. Abiotic stressors shown are known to negatively affect or threaten forest ecosystems in the U.S. at large spatial scales. Process-level



Figure 4. Primary, initial relationships among soil and water indicators of Criterion 4. The type and amount of protection found in Indicator 19 determines whether soil indicators (Indicators 18, 21, 22, and 25) will be subjected to new stressors. The type and magnitude of new stressors affecting soil indicators determines whether the flow amount and timing, sedimentation, or chemistry of the aquatic systems will be negatively affected. The type and









States in MAIA Region in 1992









