

Forested Systems Initiative: Forestry Education – Health, Management and Utilization Logic Model

Inputs
<ul style="list-style-type: none"> • County Extension Agents • Extension Specialists • Extension Associates • State Agency Partners • Federal Agency Partners • Non-Government Organizations • Facilities • Financial Support

Outputs	
<p style="text-align: center;">Activities</p> <ul style="list-style-type: none"> • Newsletters • Radio/TV/News-papers • Social Media • Publications • Webinars • Workshops • Field days • Technical trainings • Internet resources 	<p style="text-align: center;">Participants</p> <ul style="list-style-type: none"> • General Public • Forest owners • Farmers • Loggers • Forest Industry • Volunteers • Forestry and Natural Resource Professionals • Elected officials • Community Leaders • Cooperative Extension

Outcomes – Impact		
<p style="text-align: center;">Short Term!</p> <p>Change in awareness and understanding of:</p> <ul style="list-style-type: none"> • Environmental, social, and economic importance of trees • Threats facing forests and their utilization • Laws impacting forest health, management and utilization • Sources of forest health, management and utilization assistance management • Forest health, management and utilization practices 	<p style="text-align: center;">Medium Term!</p> <ul style="list-style-type: none"> • Forest health, management and utilization activities/practices that support sustainable forests are implemented • Individuals and policy makers make more informed decisions regarding managing and utilizing forest resources • Timber harvest operations abide by all laws and regulations • Forest industry implements more quality control and improvement programs 	<p style="text-align: center;">Long Term!</p> <ul style="list-style-type: none"> • Kentucky's trees and forests are better protected and managed • Kentuckians have an enhanced ability to address a variety of forest health, management and utilization related issues, resulting in: increased revenue, increased forest productivity, and improved forest health • Kentucky's forests ecosystem and economic values are enhanced, resulting in: healthier forests, improved water quality, and increased revenue

Situation

Forests, also called woodlands, cover 48% of Kentucky and are mostly privately owned. These forests provide numerous environmental benefits such as improved air, water, and wildlife habitat. Our forests also contribute significantly to our economy with a Kentucky forest industry who employs approximately 60,000 and contributes more than \$13 billion annually to the Kentucky economy. Kentucky's forests can be healthier and more productive by implementing sustainable forest management and utilization practices.

Assumptions

- Many individuals have limited knowledge regarding forests, their value, and how to manage and sustainably utilize this vital resource.
- Sharing research based information and educational programs facilitates informed decisions regarding our forest resources leading to greater sustainability.
- Despite its significant economic contribution Kentucky's Forest Industry is generally unacknowledged.
- Kentucky's private forests are generally unmanaged.
- The Master Logger provides education for loggers in Kentucky. All commercial timber harvests require a Master Logger to be on-site and in charge.
- Enhanced forest management and utilization will improve the quality and quantity of forest resources which can benefit all Kentuckians.

External Factors

- Invasive species, wildfire, climate change, urban expansion, aging owners, and changing policies/regulations have a significant impact on forest management and utilization and the critical services forests provide.
- Kentucky's forest industry is subject to significant external and economic pressures largely beyond their control.