

## **Forestry and Wildlife – 2007-2011 POW Worksheet**

### **Logic Model Overview:**

The University of New Hampshire Cooperative Extension Forestry and Wildlife Program has been caring for New Hampshire's Forests since 1925 through a joint program with the New Hampshire State Forester's office. Our mission is to "...provide New Hampshire citizens with research-based education and information, enhancing their ability to make informed decisions that strengthen youth and families, sustain natural resources, and improve the economy."

Since 1985, UNH Cooperative Extension has had a commitment to the NH Department of Fish and Game to lead efforts in wildlife habitat protection and enhancement in all parts of the state. Twelve county-based Extension Educators in Forest Resources and three statewide Extension Specialists in forestry, forest industry and wildlife provide research-based educational programs and assistance to an array of audiences. This effective statewide and local delivery system provides ready access to constituents.

### **Situation:**

UNH Cooperative Extension motivates private landowners to actively manage their land for long-term stewardship of natural resources. Extension programs in forestry and wildlife, agriculture, and water resources bring a comprehensive approach to solving problems and protecting resources through an extensive network of partners within the natural resources community. Long-term memoranda with the NH Division of Forests and Lands and the NH Fish and Game recognize Extension's lead role in educational programming. The Society for the Protection of New Hampshire Forests, Audubon Society of New Hampshire, NH timberland Owners Association, Natural Resources Conservation Service, Farm Service Agency, U.S. Forest Service, NH Office of State Planning, Conservation Districts, NH Department of Environmental Services, regional planning commissions and county governments are all active partners.

Forest Resource Extension Educators, three statewide Extension Specialists, a Land and Water Conservation Educator and Community Forestry Volunteer coordinator provide technical expertise and information about managing forest and community resources to people in each county across the state. Target audiences include non-industrial private forest owners (NIPF), municipal and other forest landowners, natural resource professionals, communities, volunteers, NH forest-based industries and the public.

Over 188 components of the current New Hampshire Forest Resources Plan, mandated under RSA 227-I:8, are directed to Cooperative Extension for action. This level of responsibility is second only to that of the Division of Forests and Lands.

### **Assumptions:**

- Funding continues at the federal, state, and local levels so staffing levels permit implementation of this plan
- Staffing in the Forestry and Wildlife Program remains sufficient
- Funding is available to complete existing and new components of this plan

### **External Factors:**

- Landowner assistance programs may come and go, adding or subtracting educational options and outcomes
- Economic factors affect landowners' short term objectives, markets, and opportunities

Outputs/Activities	Outcomes/Impact		
	Learning Outcomes	Action Outcomes	Condition Outcomes
<ul style="list-style-type: none"> <li>• Conduct, sponsor, co-sponsor or provide educational expertise for over 250 workshops, seminars or educational events.</li> <li>• Develop statewide and regional coordinated/standardized programs accomplished by Forestry and Wildlife staff working individually or in teams.</li> <li>• Develop messages and strategies using ownership size, watershed location or landscape location. Audiences, messages and strategies may differ by location in the state.</li> <li>• Develop key messages for landowners consistent with our public awareness strategy.</li> <li>• Maintain contact with landowners through newsletters, web page, and special mailings.</li> <li>• Reach clientele through training programs (Coverts - Tree Stewards)</li> <li>• Maintain volunteer's role as ambassadors of messages and programs and not as providers of technical expertise.</li> <li>• Work with Project Learning Tree and 4-H Youth Development to educate teachers and youth leaders on forest resource issues.</li> </ul>	<p>Increase the working knowledge of 1,000 people who influence the forest environment in NH. <i>Indicator:</i> F&amp;W10 - 25 Tree Steward and Coverts volunteer each year beyond the required 40 hour commitment. <i>Indicator:</i> F&amp;W6 - Increase the working knowledge of 1,000 people who influence the forest environment of NH through workshops, seminars, or educational events annually (Relates to L&amp;W8 and L&amp;W10) <i>Indicator:</i> F&amp;W4 - 500 volunteers in conservation work in NH communities as a result of training and continued work by UNHCE primarily in the Coverts and Community Tree Stewards programs. (Relates to L&amp;W9)</p> <p>The public increases awareness of the importance of NH forest resources enhances their connection to the forest and increases their support of forest stewardship. <i>Indicator:</i> F&amp;W4 - 500 volunteers in conservation work in NH communities as a result of training and continued work by UNHCE primarily in the Coverts and Community Tree Stewards programs. (Relates to L&amp;W9)</p>	<p>Clientele support sustaining the UNH Forestry and Wildlife Program through gifts, political support and influence on other landowners. <i>Indicator:</i> F&amp;W10 - 25 Tree Steward and Coverts volunteer each year beyond the required 40 hour commitment. <i>Indicator:</i> F&amp;W4 - 500 volunteers in conservation work in NH communities as a result of training and continued work by UNHCE primarily in the Coverts and Community Tree Stewards programs.</p> <p>Volunteers conduct conservation work in NH communities as a result of training and continued work by UNHCE, primarily in the Coverts and Community Tree Stewards programs. <i>Indicator:</i> F&amp;W4 - 500 volunteers in conservation work in NH communities as a result of training and continued work by UNHCE primarily in the Coverts and Community Tree Stewards programs.</p> <p>Volunteers develop life-long commitments to conservation efforts, beyond their commitments to UNHCE and beyond Extension's sphere of influence. <i>Indicator:</i> F&amp;W10 - 25 Tree Steward and Coverts volunteer each year beyond the required 40 hour commitment. F&amp;W4 - 500 volunteers in conservation work in NH communities as a result of training and continued work by UNHCE primarily in the Coverts and Community Tree Stewards programs. (Relates to L&amp;W9)</p>	<p><b>Communities contain volunteers with a life-long commitment to conservation.</b></p>

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<ul style="list-style-type: none"> <li>• Implement components of the NH Forest Resources Plan</li> <li>• Conduct, sponsor, co-sponsor or provide educational expertise for over 250 workshops, seminars or educational events.</li> <li>• Develop statewide and regional coordinated/standardized programs accomplished by Forestry and Wildlife staff working individually or in teams.</li> <li>• Develop messages and strategies using ownership size, watershed location or landscape location. Audiences, messages and strategies may differ by location in the state.</li> <li>• Develop key messages for landowners consistent with our public awareness strategy.</li> <li>• Develop a checklist of topics to cover on site visits</li> <li>• Landowner outreach to reach new clientele</li> <li>• Develop an evaluation and improvement process for follow-through on site visits.</li> <li>• Develop materials to help landowners make informed decisions when selling timber and disseminate these materials through town offices and other means.</li> <li>• Involve key family members in woodlot visits and woodlot planning</li> <li>• Reach clientele through training programs (Coverts - Tree Stewards)</li> <li>• Maintain volunteer's role as ambassadors of messages and programs and not as providers of technical expertise.</li> </ul>	<p>Increase the working knowledge of 1,000 people who influence the forest environment in NH</p> <p>Residents and community decision-makers learn how to identify and protect critical habitats, elements of biodiversity and other important natural resources.</p> <p>People UNHCE has difficulty reaching gain knowledge and inspiration through volunteers and improve or add good practices.</p> <p>The public increases awareness of the importance of NH forest resources enhances their connection to the forest and increases their support of forest stewardship</p> <p>Professional loggers increase skills and knowledge through the NH Certified Professional Logger program.</p> <p>Increase the working knowledge of 1,000 people who influence the forest environment in NH</p> <p>Residents and community decision-makers learn how to identify and protect critical habitats, elements of biodiversity and other important natural resources.</p> <p>People UNHCE has difficulty reaching gain knowledge and inspiration through volunteers and improve or add good practices.</p>	<p>20,000 acres of forest management plans are written up to NH Forest Stewardship standards <i>Indicator:</i> F&amp;W1.20,000 acres of forest management plans meet or exceed NH forest stewardship standards</p> <p>Forest owners receive federal or state financial incentives for implementing practices, including management plans. <i>Indicator:</i> F&amp;W2.40 forest owners receive federal or state financial incentives for implementing conservation practices.</p> <p>Good stewardship practices are brought to areas in need of enhanced conservation practices not impacted by our programs in the recent past or as a result of landowner changes. <i>Indicator:</i> F&amp;W3.50 new landowners engaged with a forester or natural resources professional for the first time or for the first time in 10 or more years.</p> <p>Landowners engage in developing conservation easements on 10,000 acres per year. <i>Indicator:</i> F&amp;W8. Landowners engage in developing conservation easements on 10,000 acres of NH acres each year.</p> <p>NIPF landowners, forest industry, natural resource professionals, organizations and communities use knowledge gained through UNHCE programs to develop long term management plans up to NH Forest Stewardship and/or NH Tree Farm Standards. <i>Indicator:</i> 1.20,000 acres of forest management plans meet or exceed NH forest stewardship standards. <i>Indicator:</i> F&amp;W5. 80% of NH licensed foresters are trained by UNHCE in each of the two-year licensing period for CEUs</p> <p>Residents and decision-makers make informed decisions about natural resources. <i>Indicator:</i> F&amp;W4.500 volunteers in conservation work in NH communities as a result of training and continued work by UNHCE primarily in the Coverts and Community Tree Stewards programs.</p> <p>UNHCE engages new NIPF landowners in using a public or private natural resource professional for the first time or for the first time in 10 years or more. <i>Indicator:</i> F&amp;W3 -50 new landowners engaged with a forester or natural resources professional for the first time or for the first time in 10 or more years.</p>	<p><b>Conserve and protect land, water and open space.</b></p>

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<ul style="list-style-type: none"> <li>• Implement components of the NH Forest Resources Plan</li> <li>• Develop messages and strategies using ownership size, watershed location or landscape location. Audiences, messages and strategies may differ by location in the state.</li> <li>• Develop key messages for landowners consistent with our public awareness strategy.</li> <li>• Review and update standard operating procedures on staff approaches to landowner site visits.</li> <li>• Maintain contact with landowners through newsletters, web page, and special mailings.</li> <li>• Involve key family members in woodlot visits and woodlot planning</li> <li>• Reach clientele through training programs (Coverts - Tree Stewards)</li> <li>• Work with Project Learning Tree and 4-H Youth Development to educate teachers and youth leaders on forest resource issues.</li> </ul>	<p>Increase the working knowledge of 1,000 people who influence the forest environment in NH</p> <p>Increase youth awareness of the importance of NH's forest resources and enhance their connection to the forest so they make informed decisions about natural resources.</p> <p>People UNHCE has difficulty reaching gain knowledge and inspiration through volunteers and improve or add good practices.</p> <p>The public increases awareness of the importance of NH forest resources enhances their connection to the forest and increases their support of forest stewardship.</p> <p>Professional loggers increase skills and knowledge through the NH Certified Professional Logger program.</p>	<p>Citizens adopt and use environmentally sound practices that result in protection of natural resources. <i>Indicator:</i> F&amp;W6 - Increase the working knowledge of 1,000 people who influence the forest environment of NH through workshops, seminars, or educational events annually.</p> <p>UNHCE engages new NIPF landowners in using a public or private natural resource professional for the first time or for the first time in 10 years or more. <i>Indicator:</i> F&amp;W3-50 new landowners engaged with a forester or natural resources professional for the first time or for the first time in 10 or more years.</p> <p>NIPF landowners, forest industry, natural resource professionals, organizations and communities use knowledge gained through UNHCE programs to develop long term management plans up to NH Forest Stewardship and/or NH Tree Farm Standards. <i>Indicator:</i> F&amp;W1 - 20,000 acres of forest management plans meet or exceed NH forest stewardship standards. <i>Indicator:</i> F&amp;W5 - 80% of NH licensed foresters are trained by UNHCE in each of the two-year licensing period for CEUs.</p>	<p><b>Critical wildlife habitats are protected in the state.</b></p>

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<ul style="list-style-type: none"> <li>• Implement components of the NH Forest Resources Plan</li> <li>• Conduct, sponsor, co-sponsor or provide educational expertise for over 250 workshops, seminars or educational events.</li> <li>• Develop statewide and regional coordinated/standardized programs accomplished by Forestry and Wildlife staff working individually or in teams.</li> <li>• Develop key messages for landowners consistent with our public awareness strategy.</li> <li>• Maintain contact with landowners through newsletters, web page, and special mailings</li> </ul>	<p>Natural resource professionals maintain a high level of competence and credibility from UNHCE training.</p> <p>Professional loggers increase skills and knowledge through the NH Certified Professional Logger program.</p>	<p>Forest industry improves its ability to sustain its business by improving efficiency, markets and management <i>Indicator:</i> F&amp;W9-100 licensed foresters increase business opportunities through 300 referrals from UNHCE staff - thereby sustaining a cadre of private sector licensed foresters offering services to the public.</p> <p>Natural resource professionals, including all NH licensed foresters are trained in a wide variety of natural resource topics with in-depth expertise and training to impact thousands of acres with a full breadth of forest stewardship and knowledge skills <i>Indicator:</i> F&amp;W12 - 500 professional loggers in NH increase their knowledge and market forest products to Sustainable Forestry Initiative companies requiring certified loggers through the Professional Loggers Program with NHTOA and the UNH Thompson School. <i>Indicator:</i> F&amp;W5 - 80% of NH licensed foresters are trained by UNHCE in each of the two-year licensing period for CEUs. <i>Indicator:</i> F&amp;W9 - 100 licensed foresters increase business opportunities through 300 referrals from UNHCE staff - thereby sustaining a cadre of private sector licensed foresters offering services to the public.</p> <p>Women better manage business aspects of land ownership as a result of the UNHCE Women and the Woods Program. <i>Indicator:</i> F&amp;W11 - 50 NH women improve forest business management as a result of the Women and the Woods program.</p>	<p><b>Forests are a significant contributor to the state's economy.</b></p> <p><b>NH licensed foresters increase their business opportunities through referrals from UNHCE Forestry and Wildlife staff.</b></p>

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