

Land and Water – 2007-2011 POW Worksheet

Situation:

Rapid land use changes are causing environmental, economic and social impacts. People have less connection with traditional uses of land. Rural and pristine waters and habitats are at risk and urban water quality remains in need of improvement and/or protection.

People often respond most when the impacts are personal. Community and conservation leaders are mainly volunteers without extensive backgrounds in natural resources and other disciplines related to land use and water quality issues. Tools are available for conserving natural resources and managing growth but many community and conservation leaders have limited understanding of them. Groups and individuals need long-term, sustained assistance as well as timely access to information and other resources for better natural resources stewardship. There is currently broad public support for land and water conservation. Commercial audiences are faced with increasing environmental, regulatory and economic pressures that strain the ability to maintain open space. The general public does not fully understand the consequences of land and water protection and development impacts. There are many opportunities to work together, including cross-over (multi or interdisciplinary) programming opportunities, for example, farm, forest and wildlife habitat management on land and water with these resources. Existing programs could be expanded to additional audiences. Outcomes need to be measured to gauge program effectiveness. Collaboration with other land grant programs in New England will contribute to address this work.

Assumptions:

- Staff are committed to the work plan
- The plan will receive UNHCE administrative support
- Working relationships with partner groups will continue
- NH citizens will recognize the expertise of UNH Cooperative Extension
- Working across disciplines will improve achievement of desired outcomes - programmatic and institutional.

External Factors:

- Possible budget constraints, possible loss of staff
- Communities increasingly responding to conservation needs
- A conservation ethic on the part of landowners
- External political support
- The rate of land conversion
- High economic land values
- Unforeseen extreme natural catastrophic events

| Outputs/Activities | Outcomes/Impact | | |
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| | Learning Outcomes | Action Outcomes | Condition Outcomes |
| COMMUNITY NATURAL RESOURCE BASED STEWARDSHIP 1. Promote and deliver The Dollars and Sense of Saving Special Places | Landowners, community officials and volunteers learn to use tools to conserve the state's biodiversity | Landowners, community officials and volunteers use recommended tools to conserve the state's biodiversity | Biodiversity is maintained and protected over the long-term |
| COMMUNITY NATURAL RESOURCE BASED STEWARDSHIP 2. Provide focused training and long-term assistance to communities on natural resource planning and land conservation. | L&W1 - 200 community leaders, volunteers and others increase knowledge about natural resource and land conservation topics by attending 10 workshops in different parts of the state L&W2 - 50 community decision-makers identify actions they will take to conserve the state's biodiversity. | | |

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| | Learning Outcomes | Action Outcomes | Condition Outcomes |
| COMMUNITY NATURAL RESOURCE BASED STEWARDSHIP 1. Promote and deliver The Dollars and Sense of Saving Special Places | Landowners, community officials and volunteers learn to use tools to conserve the state's biodiversity | Landowners, community officials and volunteers use recommended tools to conserve the state's biodiversity | Improve or maintain forest health |
| COMMUNITY NATURAL RESOURCE BASED STEWARDSHIP 2. Provide focused training and long-term assistance to communities on natural resource planning and land conservation. | L&W1 - 200 community leaders, volunteers and others increase knowledge about natural resource and land conservation topics by attending 10 workshops in different parts of the state L&W2 - 50 community decision-makers identify actions they will take to conserve the state's biodiversity. | | |

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| | Learning Outcomes | Action Outcomes | Condition Outcomes |
| COMMUNITY NATURAL RESOURCE BASED STEWARDSHIP 1. Promote and deliver The Dollars and Sense of Saving Special Places | Community officials, volunteers and UNH students increase knowledge of natural resource planning and land conservation that increases their land conservation activities | Community officials and volunteers participate in training programs related to land conservation | Increase the level of land conservation that ensures working landscapes |
| COMMUNITY NATURAL RESOURCE BASED STEWARDSHIP 2. Provide focused training and long-term assistance to communities on natural resource planning and land conservation. | L&W1 - 200 community leaders, volunteers and others increase knowledge about natural resource and land conservation topics by attending 10 workshops in different parts of the state SGWR25 - 250 community conservation leaders, volunteers and other will increase their knowledge and skills by attending the Saving Special Places Conference. | | |

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| | Learning Outcomes | Action Outcomes | Condition Outcomes |
| <p>RESOURCE MANAGEMENT 1. Encourage economically and environmentally appropriate use of pesticides and fertilizers by producers, fertilizer dealers, consultants and landscapers.</p> <p>RESOURCE MANAGEMENT 2. Encourage homeowners to reduce phosphorus application to lawns and gardens.</p> <p>RESOURCE MANAGEMENT 3. Train real estate agents about the economic value of better managed forest lands.</p> | <p>A variety of audiences learn more about practices to prevent soil, water or land degradation.</p> <p>L&W3 - 50 landscapers make at least one practice change as a result of completing a training class on landscaping to protect water quality L&W4 - 50% of garden centers carry low- or no-phosphorus fertilizers L&W5 - Garden centers and nursery supplier stock and recommend appropriate fertilizers based on UNH recommendations L&W6 - 200 landowners increase knowledge about forest management, land conservation and water quality protection L&W7 - 30 producers and landscapers are trained in IPM principles and techniques L&W8 - 50 producers increase knowledge about managing soils to minimize environmental impacts L&W9 - 50 realtors learn about natural resource contributions to property values L&W10 - Clients of garden centers and nursery suppliers learn to use appropriate fertilizers and rates through UNHCE programming</p> | <p>A variety of audiences take actions that prevent soil, water or land degradation</p> <p>Natural resource industries promote and landowners and managers adopt sustainable practices</p> | <p>Lands are managed in a way that does not degrade soil or water resources</p> |

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| <p>COMMUNITY NATURAL RESOURCE BASED STEWARDSHIP 1. Promote and deliver The Dollars and Sense of Saving Special Places</p> <p>COMMUNITY NATURAL RESOURCE BASED STEWARDSHIP 2. Provide focused training and long-term assistance to communities on natural resource planning and land conservation.</p> | <p>Landowners, community officials and volunteers learn to use tools to conserve the state's biodiversity</p> <p>L&W1 - 200 community leaders, volunteers and others increase knowledge about natural resource and land conservation topics by attending 10 workshops in in different parts of the state. L&W2 - 50 community decision-makers identify actions they will take to conserve the state's biodiversity.</p> | <p>Landowners, community officials and volunteers use recommended tools to conserve the state's biodiversity</p> | <p>Reduce the rate of open space loss</p> |

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| <p>COMMUNITY NATURAL RESOURCE BASED STEWARDSHIP 1. Promote and deliver The Dollars and Sense of Saving Special Places</p> <p>COMMUNITY NATURAL RESOURCE BASED STEWARDSHIP 2. Provide focused training and long-term assistance to communities on natural resource planning and land conservation.</p> | <p>Landowners, community officials and volunteers learn to use tools to conserve the state's biodiversity</p> | <p>Landowners, community officials and volunteers use recommended tools to conserve the state's biodiversity</p> | <p>Water quality in lakes, streams and estuaries improves or is maintained at acceptable levels</p> |
| | <p>L&W1 - 200 community leaders, volunteers and others increase knowledge about natural resource and land conservation topics by attending 10 workshops in different parts of the state.</p> <p>L&W2 - 50 community decision-makers identify actions they will take to conserve the state's biodiversity.</p> | | |