

**V(A). Planned Program (Summary)**

**Program # 1**

**1. Name of the Planned Program**

Forestry and Wildlife

Reporting on this Program

**V(B). Program Knowledge Area(s)**

**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
123	Management and Sustainability of Forest Resources	60%			
124	Urban Forestry	20%			
135	Aquatic and Terrestrial Wildlife	20%			
	<b>Total</b>	100%			

**V(C). Planned Program (Inputs)**

**1. Actual amount of FTE/SYs expended this Program**

Year: 2012	Extension		Research	
	1862	1890	1862	1890
Plan	15.0	0.0	0.0	0.0
Actual Paid Professional	15.8	0.0	0.0	0.0
Actual Volunteer	20.7	0.0	0.0	0.0

**2. Actual dollars expended in this Program (includes Carryover Funds from previous years)**

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
386021	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
386021	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	0	0	0

**V(D). Planned Program (Activity)**

**1. Brief description of the Activity**

Collaboration with partners: projects, consultations, committee work on a town, county, state, multi-state basis with partner organizations and agencies

One-on-one consultation: woodlot exams, phone calls, emails, office visits, cost share programs, forester referrals, logger and industry visits- including follow up such as letters, map making, publication distribution

Media: press releases, newsletters, radio, TV, web, direct mailing, presentations: workshops and talks

Volunteer training and management: Coverts, Natural Resource Stewards, Master Gardeners, other community volunteers such as conservation commissions, etc.

**2. Brief description of the target audience**

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.

**3. How was eXtension used?**

Periodical professional development for staff and use of eXtension resources by volunteers as resource materials.

**V(E). Planned Program (Outputs)**

**1. Standard output measures**

2012	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Actual</b>	19155	507800	1963	0

**2. Number of Patent Applications Submitted (Standard Research Output)**

**Patent Applications Submitted**

Year: 2012

Actual: 0

**Patents listed**

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2012	Extension	Research	Total
Actual	0	0	0

**V(F). State Defined Outputs**

**Output Target**

**Output #1**

**Output Measure**

- Collaboration with partners: include projects, consultations, committee work on a town, county, state, multi-state basis with partner organizations and agencies include Extension collaborations

Year	Actual
2012	532

**Output #2**

**Output Measure**

- One-on-one consultation: woodlot exams, phone calls, emails, office visits, cost share programs, forester referrals, logger and industry visits- including follow up such as letters, map making, publication distribution

Year	Actual
2012	1439

**Output #3**

**Output Measure**

- People reached through media: press releases, newsletters, radio, TV, web, direct mailing

Year	Actual
2012	400000

**Output #4**

**Output Measure**

- People reached through presentations: workshops and talks regardless of audience

Year	Actual
2012	2618

**Output #5**

**Output Measure**

- Volunteers trained and supported: Coverts, Community Tree Stewards, and other community volunteers such as conservation commissions, etc.

<b>Year</b>	<b>Actual</b>
2012	436

**V(G). State Defined Outcomes**

**V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Number of acres of forest management plans meet or exceed NH forest stewardship standards
2	Number of forest owners who receive federal or state financial incentives for implementing conservation practices
3	Number of new landowners engaged with a forester or natural resources professional for the first time or for the first time in 10 or more years
4	Number of 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
5	Percent of of NH licensed foresters trained by UNHCE in each of the two-year licensing period for CEUs
6	Number of people who influence the forest environment in NH with increased working knowledge about forest resource management through workshops, seminars, or educational events annually
7	Number of NH communities engage in natural resource inventories or natural heritage assessments to identify natural assets
8	Number of acres landowners develop conservation easements on in NH acres each year
9	Number of licensed foresters who increase business opportunities through 300 referrals from UNHCE staff - thereby sustaining a cadre of private sector licensed foresters offering services to the public
10	Number of Tree Steward and Coverts who volunteer each year beyond the required 40 hour commitment
11	Number of NH women who improve forest business management as a result of the Women and the Woods program
12	Number of acres enrolled in state conervation easements

## **Outcome #1**

### **1. Outcome Measures**

Number of acres of forest management plans meet or exceed NH forest stewardship standards

### **2. Associated Institution Types**

- 1862 Extension

### **3a. Outcome Type:**

Change in Action Outcome Measure

### **3b. Quantitative Outcome**

<b>Year</b>	<b>Actual</b>
2012	13229

### **3c. Qualitative Outcome or Impact Statement**

#### **Issue (Who cares and Why)**

New Hampshire is the second most forested state in the nation - 84% forested and 80% is privately owned - 2/3 of New Hampshire. Private lands and landowners provide important environmental and economic benefits and services. An estimated 120,000 people own at least an acre of forest. UNH Cooperative Extension increases the public value received from private lands and yet the majority of forest land and landowners haven't sought advice from us.

#### **What has been done**

As a result of individual contacts and workshop-based activity, Extension foresters referred 326 landowners owning 32,150 acres to licensed foresters who wrote forest stewardship plans on over 13,500 acres.

#### **Results**

Plans development by foresters represents approximately \$276,000 of direct economic activity as well as improved management and timber harvesting. Over 27% of New Hampshire's private forest land is managed according to an integrated forest stewardship plan.

### **4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
123	Management and Sustainability of Forest Resources

## **Outcome #2**

### **1. Outcome Measures**

Number of forest owners who receive federal or state financial incentives for implementing conservation practices

### **2. Associated Institution Types**

- 1862 Extension

### **3a. Outcome Type:**

Change in Knowledge Outcome Measure

### **3b. Quantitative Outcome**

<b>Year</b>	<b>Actual</b>
2012	15

### **3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

### **4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
123	Management and Sustainability of Forest Resources

## **Outcome #3**

### **1. Outcome Measures**

Number of new landowners engaged with a forester or natural resources professional for the first time or for the first time in 10 or more years

### **2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Actual</b>
2012	47

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
123	Management and Sustainability of Forest Resources

**Outcome #4**

**1. Outcome Measures**

Number of 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

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Actual</b>
2012	436

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
124	Urban Forestry
135	Aquatic and Terrestrial Wildlife

**Outcome #5**

**1. Outcome Measures**

Percent of of NH licensed foresters trained by UNHCE in each of the two-year licensing period for CEUs

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Actual</b>
2012	80

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
123	Management and Sustainability of Forest Resources

**Outcome #6**

**1. Outcome Measures**

Number of people who influence the forest environment in NH with increased working knowledge about forest resource management through workshops, seminars, or educational events annually

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

Year	Actual
2012	2229

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
123	Management and Sustainability of Forest Resources

**Outcome #7**

**1. Outcome Measures**

Number of NH communities engage in natural resource inventories or natural heritage assessments to identify natural assets

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Actual</b>
2012	9

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
123	Management and Sustainability of Forest Resources
135	Aquatic and Terrestrial Wildlife

**Outcome #8**

**1. Outcome Measures**

Number of acres landowners develop conservation easements on in NH acres each year

Not Reporting on this Outcome Measure

**Outcome #9**

**1. Outcome Measures**

Number of licensed foresters who increase business opportunities through 300 referrals from UNHCE staff - thereby sustaining a cadre of private sector licensed foresters offering services to the public

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Actual</b>
2012	44

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
123	Management and Sustainability of Forest Resources

**Outcome #10**

**1. Outcome Measures**

Number of Tree Steward and Coverts who volunteer each year beyond the required 40 hour commitment

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Actual</b>
2012	150

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

The health of New Hampshire's environment depends on sound land use, strong conservation organizations and citizens engaged in natural resource management and conservation to maintain clean water, diverse natural areas and connected wildlife habitats. New Hampshire is currently experiencing a wide range of issues such as sprawling development, loss of natural areas, climate change, invasive species and declining rates of community and citizen engagement.

**What has been done**

Over 640 Coverts and Natural Resource Steward volunteers are actively involved in conservation in their communities.

**Results**

Volunteers contributed over 51,000 hours, working to minimize the effect of fragmentation and sprawl through open space initiatives, participating in local land trusts, town boards and other community-based initiatives. Volunteers actively manage over 140,000 acres and reached out to over 34,000 people with a message of sound forest stewardship and wildlife conservation.

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
124	Urban Forestry
135	Aquatic and Terrestrial Wildlife

**Outcome #11**

**1. Outcome Measures**

Number of NH women who improve forest business management as a result of the Women and the Woods program

Not Reporting on this Outcome Measure

**Outcome #12**

**1. Outcome Measures**

Number of acres enrolled in state conservation easements

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Actual</b>
2012	12658

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

This replaces the previous outcome measure - acres enrolled EACH year. This measure is the total number of acres, not just those enrolled in 2011.

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
123	Management and Sustainability of Forest Resources

**V(H). Planned Program (External Factors)**

**External factors which affected outcomes**

- Natural Disasters (drought, weather extremes, etc.)
- Economy
- Appropriations changes
- Competing Programmatic Challenges

**Brief Explanation**

With a significant state budget cut, loss of staff and organizational change, most programmatic goals were reached, however challenges to capacity still remain. State budget cuts to our partners in NH Fish and Game and NH Dept of Resource Economics also impact our ability to work with land owners across the state.

**V(I). Planned Program (Evaluation Studies)**

**Evaluation Results**

A more comprehensive evaluation of the NH Coverts (volunteer) program yielded some very impactful results:

Since 1999 (the first year data is available), Coverts volunteers have contributed over 166,000 hours of service on behalf of wildlife and stewardship to the State of New Hampshire. This service has an estimated value of \$3.2 million (rate adjusted by year, using [www.independentsector.org](http://www.independentsector.org)).

- Since 1999, volunteers have managed thousands of acres of land specifically for wildlife habitat:
  - 10,490 acres of grasslands & old fields have been kept open
  - 8,700 acres of early successional habitat have been created or maintained
  - 7,756 acres managed to enhance softwood habitats for snowshoe hare, deer, etc.
- Since 1999, Coverts volunteers have reached over 358,000 people through outreach efforts
- Since 1999, Coverts volunteers have worked to permanently conserve over 255,000 acres of land.

**Key Items of Evaluation**

nothing additional