

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

**Program # 1**

**1. Name of the Planned Program**

Natural Resources

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
112	Watershed Protection and Management	20%			
123	Management and Sustainability of Forest Resources	40%			
124	Urban Forestry	10%			
131	Alternative Uses of Land	10%			
216	Integrated Pest Management Systems	10%			
605	Natural Resource and Environmental Economics	10%			
	<b>Total</b>	100%			

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

1. Actual amount of FTE/SYs expended this Program

Year: 2013	Extension		Research	
	1862	1890	1862	1890
Plan	15.0	0.0	0.0	0.0
Actual Paid Professional	16.0	0.0	0.0	0.0
Actual Volunteer	20.0	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
320705	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
320705	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
2582019	0	0	0

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

### 1. Brief description of the Activity

Natural Resources programming helps citizens and landowners learn about and care for New Hampshire's forests, trees, wildlife and habitats through landowner visits, workshops, professional development and assisting communities. Further, efforts are focused on maintaining healthy coastal ecosystems, promoting resilient communities and economies, and supporting sustainable fisheries and aquaculture. We accomplish this in the following ways:

- Applied research, field trials and publishing research reports
- Development of educational Information: newsletters (including e-newsletters), fact sheets, trade-magazines, journals, posters, and displays
  - Efforts to promote local seafood awareness, marketing and consumption
  - On-line/web based information: web page updates; blogs, social media (Facebook and Twitter); electronic pest alerts; developing educational visuals/videos; podcasts
  - One-on-one education: Site visits to landowners, fishermen and natural resource professionals; phone, email, video chats and walk-in clients; one-on-one assistance to develop management or business plans
    - Public Relations/marketing/communications
    - Technical Assistance to state agencies/organizations
    - Workshops, conferences, statewide Speaker's Bureau State-wide and multistate (regional) public forums, demonstrations
    - Write and respond to news media

### 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.

Commercial fishermen and related industries; land owners and recreational users of New Hampshire's lakes, estuaries, rivers, and ocean beaches; Formal and non-formal educators and K-12 students; policy and decision makers

### 3. How was eXtension used?

eXtension was not used in this program

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

**1. Standard output measures**

2013	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Actual</b>	24446	7571	1378	0

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

**Patent Applications Submitted**

Year: 2013  
 Actual: 0

**Patents listed**

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

**Number of Peer Reviewed Publications**

2013	Extension	Research	Total
<b>Actual</b>	0	0	0

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

**Output Target**

**Output #1**

**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

<b>Year</b>	<b>Actual</b>
2013	5163

**Output #2**

**Output Measure**

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

<b>Year</b>	<b>Actual</b>
2013	156349

**Output #3**

**Output Measure**

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

<b>Year</b>	<b>Actual</b>
2013	14139

**Output #4**

**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>
2013	1063

**Output #5**

**Output Measure**

- Number of water quality monitoring training sessions held for new and existing volunteers

<b>Year</b>	<b>Actual</b>
2013	4

**Output #6**

**Output Measure**

- Number of annual lake reports and coastal reports published on water quality assessments from volunteer monitoring efforts

<b>Year</b>	<b>Actual</b>
2013	15

**Output #7**

**Output Measure**

- Number of hours NH Lakes Lay Monitoring Program volunteers contribute toward conducting water quality monitoring and analysis activities in their local watersheds

<b>Year</b>	<b>Actual</b>
2013	3912

**Output #8**

**Output Measure**

- Number of towns and conservation groups provided with direct assistance regarding land and water conservation

<b>Year</b>	<b>Actual</b>
2013	66

**Output #9**

**Output Measure**

- Number of educational workshops for commercial fishermen on the following topics: \* Focusing efforts on reducing by-catch and increasing selectivity of fishing gear; \* Focusing efforts on reducing sea-bed impacts by mobile fishing gear; \* Facilitating cooperative research partnerships between fishermen and scientists.

<b>Year</b>	<b>Actual</b>
2013	97

**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 fishermen who choose non-mandatory conservation-minded gear over traditional equipment.
11	Number of cooperative research proposals submitted involving scientists and fishermen that focus on reducing benthic impacts of mobile fishing gear are submitted to appropriate programs/agencies.
12	Number of communities to develop action plans that include a variety of approaches for making progress in community-based natural resource protection projects.
13	Number of fishermen who gain knowledge of new conservation fishing gear that reduces benthic habitat impact.
14	Number of communities to implement or start to implement a natural resource protection project.
15	Number of community decision makers, conservation groups or development professionals who report gaining knowledge about preventing degradation from storm water runoff.
16	Number of community decisions-makers and Coverts Cooperators who identify actions they will take to conserve the state's biodiversity.

**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**

Year	Actual
2013	41235

**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 313 landowners to licensed foresters who wrote forest stewardship plans.

**Results**

Plan development by foresters represents approximately \$440,000 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**

KA Code	Knowledge Area
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

Not Reporting on this Outcome Measure

**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>
2013	54

**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>
2013	329

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

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

The continued development and human use of New Hampshire's natural resources results in significant ecosystem impacts, including habitat loss, water quality impairment, and colonization of invasive species, among others. As local citizens become more aware of problems that threaten New Hampshire, they are increasingly motivated to see that the problems are resolved. Engaging citizens in natural resource research, management and outreach not only enhances these efforts, but also leads to greater ecological literacy and informed decision-making in the community (Trumball et al. 2000; Jordan et al. 2011). As such, NH's citizens are a critical partner for accomplishing natural resource management objectives. It is the goal of the communities and natural resources volunteer programs to engage citizens in natural resource management and conservation activities to sustain abundant clean water, diverse natural areas and connected wildlife habitats in New Hampshire.

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

The volunteer programs within the Communities and Natural Resources Area of Expertise of UNH Cooperative Extension provide a critical link to fulfilling the environmental needs of NH's citizens and communities. Activities from the past year include:

--NH Coverts Project volunteers contributed 29,583 hours of volunteer hours on behalf of forest stewardship or wildlife habitat issues. The NH Coverts Project trained 21 new volunteers from 18 different communities at the 2013 Coverts Project Workshop, representing over 700 hours of in-depth natural resource training. The Speaking for Wildlife program, a volunteer speaker's bureau and field trip leader initiative, trained 66 new presenters and field walk leaders from 10 different counties.

--Volunteers with the Lakes Lay Monitoring Program (LLMP) made 1044 trips to collect water quality data from NH lakes and their tributaries for a total of 2832 hours of sampling. An additional 894 hours of volunteer time was devoted to sample processing.

--71 volunteers contributed 1264 hours as part of the Coastal Research Volunteer program to collect data for scientific projects on oyster restoration, algae research, glass eel monitoring, stormwater monitoring, horseshoe crab research, phenology monitoring, eelgrass restoration, and blue mussel monitoring for toxic contaminants in NH's coastal communities.

--125 Natural Resources Stewards reported 11,722 hours of service in over 40 categories of natural resource work including, but not limited to, natural resource committees, the NH Big Tree Program, land conservation, permaculture, adult and youth education, NH Parks assistance, land management, Wonders of Wildlife, invasive species control, and writing publications and articles.

### **Results**

Through the Natural Resources Stewards, Lakes Lay Monitoring, Coverts, and Coastal Research Volunteers programs, citizens are inspired and empowered to take an active role in managing and sustaining their communities. Results of the previous year's efforts include:

--Volunteers with the Natural Resources Stewards, Lakes Lay Monitoring, NH Coverts, and Coastal Research Volunteers programs contributed 43,214 hours to maintaining NH's natural resources in FY13. This effort is valued at \$956,757.96 ([www.independentsector.org](http://www.independentsector.org)).

--Of 21 volunteers trained at 2013 Coverts Project Workshop, 100% reported increased knowledge.

--The NH Coverts Project coordinates 328 volunteers in all counties in NH who collectively own or manage over 140,000 acres of land. In the past year, Coverts volunteers actively managed over 15,000 acres of this land as wildlife habitat or with active forest stewardship practices. In addition, Coverts volunteers worked to conserve over 12,000 acres of land in NH, and reached out to over 25,000 people with a message of sound forest stewardship and wildlife conservation.

--Coastal Research Volunteer involvement in research projects provided the additional help needed to conduct coastal research. For instance, observations made by the Coastal Research Volunteer program comprised more than 50% of the total data collected for a project assessing the abundance and distribution of horseshoe crabs in Great Bay. Volunteers assisted in raising over 11,000 healthy oysters and restored over a quarter million new oysters (over 2 acres) to the Great Bay Estuary. By working with the Coastal Research Volunteer program, NH Fish and Game doubled the size of their glass eel monitoring program.

--Coastal Research Volunteer participants consistently report increased knowledge as a result of training and research activities. For example, 100% of volunteers responding to a post eel monitoring survey reported increased understanding of how field-collected data contribute to the management of fish stocks.

--46% of LLMP volunteers reported becoming more involved in lake or other conservation organizations following their LLMP involvement while 49% of LLMP volunteers reported the LLMP made a difference in water quality decision making, planning and conservation in member communities.

--33% of LLMP volunteers indicated water quality data and reports have influenced community support or active participation in protecting the water quality and conservation for participating lakes and watersheds.

## **4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
112	Watershed Protection and Management
124	Urban Forestry

**Outcome #5**

**1. Outcome Measures**

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

Not Reporting on this Outcome Measure

**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**

<b>Year</b>	<b>Actual</b>
2013	2410

**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 #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**

Year	Actual
2013	22

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

**Issue (Who cares and Why)**

New Hampshire is currently experiencing a wide range of issues such as sprawling development, loss of natural areas and wildlife habitats, water quality issues, an increase in extreme weather events (such as flooding), climate change, and declining rates of community engagement.

**What has been done**

The Communities & Natural Resources team is working to build the capacity of community leaders to engage in actions for natural resource management and conservation to maintain clean water, diverse natural areas, connected wildlife habitats and resilient communities. Through direct hands on assistance, workshops and presentations, e-newsletters and websites, staff have delivered assistance to communities.

**Results**

Examples of results include:

Through the Taking Action for Wildlife Community Assistance Program, four communities started work on their natural resources inventories with a view to providing a baseline for longer term conservation planning.

The Town of Andover conducted a summer public outreach campaign to raise knowledge and awareness among the town's residents, by planning and hosting a series of six community events focused on the value of wildlife in town. The program reached more than 200 participants.

Project partners: NH Fish and Game Department.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
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123 Management and Sustainability of Forest Resources

**Outcome #8**

**1. Outcome Measures**

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

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Actual</b>
2013	2410

**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 #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>
2013	45

**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 fishermen who choose non-mandatory conservation-minded gear over traditional equipment.

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Actual</b>
2013	20

**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>
112	Watershed Protection and Management

**Outcome #11**

**1. Outcome Measures**

Number of cooperative research proposals submitted involving scientists and fishermen that focus on reducing benthic impacts of mobile fishing gear are submitted to appropriate programs/agencies.

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Actual</b>
2013	7

**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>
112	Watershed Protection and Management

## **Outcome #12**

### **1. Outcome Measures**

Number of communities to develop action plans that include a variety of approaches for making progress in community-based natural resource protection projects.

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

- 1862 Extension

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

Change in Action Outcome Measure

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

<b>Year</b>	<b>Actual</b>
2013	15

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

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

New Hampshire is currently experiencing a wide range of issues such as sprawling development, loss of natural areas and wildlife habitats, water quality issues, an increase in extreme weather events (such as flooding), climate change, and declining rates of community engagement. Coastal watershed municipalities are experiencing an increased urgency to address stormwater management issues in the context of increasing amounts of impervious surfaces, sea level rise, and climate change.

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

The Communities & Natural Resources team is working to build the capacity of community leaders to engage in actions for natural resource management and conservation to maintain clean water, diverse natural areas, connected wildlife habitats and resilient communities. Through direct hands on assistance, workshops and presentations, e-newsletters and websites, staff have delivered assistance to communities.

#### **Results**

Examples of impact include:

- 30 participants from six communities received technical assistance for incorporating wildlife considerations into town documents through the Communities Taking Action for Wildlife Program.
- Eight community leaders from three communities engaged in meetings to discuss a community-based approach to managing and restoring the sand dunes of the Hampton-Seabrook Estuary watershed.

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

<b>KA Code</b>	<b>Knowledge Area</b>
112	Watershed Protection and Management
123	Management and Sustainability of Forest Resources
131	Alternative Uses of Land

**Outcome #13**

**1. Outcome Measures**

Number of fishermen who gain knowledge of new conservation fishing gear that reduces benthic habitat impact.

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Actual</b>
2013	45

**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>
112	Watershed Protection and Management

**Outcome #14**

**1. Outcome Measures**

Number of communities to implement or start to implement a natural resource protection project.

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Actual</b>
2013	11

**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>
112	Watershed Protection and Management
123	Management and Sustainability of Forest Resources
124	Urban Forestry
131	Alternative Uses of Land

**Outcome #15**

**1. Outcome Measures**

Number of community decision makers, conservation groups or development professionals who report gaining knowledge about preventing degradation from storm water runoff.

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Actual</b>
2013	200

### 3c. Qualitative Outcome or Impact Statement

#### Issue (Who cares and Why)

The 2010 report, New Hampshire's Changing Landscape (Society for the Protection of NH Forests), indicates that over the next 20 years, forests and agricultural lands will continue to decline, only about one third of the state will be rural (compared with two thirds in 1950) with most of that land in the northern half of the state, and only 22% of drinking water resources (aquifers) are protected.

#### What has been done

The Communities & Natural Resources team is working to build the capacity of community leaders to engage in actions for natural resource management and conservation to maintain clean water, diverse natural areas, connected wildlife habitats and resilient communities. Through direct hands on assistance, workshops and presentations, e-newsletters and websites, staff have delivered assistance to communities.

#### Results

--Eleven towns reported they initiated or completed the following changes to their plans, policies and practices related to natural resources protection:

--As a result of the Green Infrastructure for Sustainable Coastal Communities Project, three communities worked on developing strategies for reducing pollution in the watershed and for controlling other negative effects of stormwater, which will result in improved water quality and one community is working on updating stormwater management regulations. Project partners: Great Bay National Estuarine Research Reserve, University of New Hampshire

--Through the Climate Adaptation Plan for Exeter (CAPE) project, Exeter started a two-year planning effort to address local climate change impacts and a local Citizen Working Group (CWG) of over 15 residents, officials, and leaders has been meeting monthly to advise the project. Project partners: Great Bay National Estuarine Research Reserve, University of New Hampshire, The Carsey Institute.

--As a result of the NOAA Roadmap Vulnerability Assessment, the town of Newfields (Rockingham County) developed an updated stormwater regulation that incorporated the effects of extreme weather events and which was also incorporated into the town's updated Master Plan. The town also involved their residents in a low-cost/bulk purchase generator program and developed a community preparedness calendar to help raise awareness and prepare residents for dealing with extreme weather events. Project partners: NH Coastal Adaptation Workgroup

--Through the Taking Action for Wildlife Community Assistance Program, four communities in two counties started work on their natural resources inventories with a view to providing a baseline for longer term conservation planning.

--Cumulative evaluation data for the period 2011-2013 for the Water, Weather, Climate and Community workshop series (more than 200 participants) show that at least 78% of participants reported increased knowledge about climate topics, 80% of respondents reported increased motivation to do something to address climate change impacts, and close to 86% reported an improved capacity to locate and access climate change related information and people.

### 4. Associated Knowledge Areas

KA Code	Knowledge Area
112	Watershed Protection and Management

**Outcome #16**

**1. Outcome Measures**

Number of community decisions-makers and Coverts Cooperators who identify actions they will take to conserve the state's biodiversity.

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

Year	Actual
2013	270

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
112	Watershed Protection and Management

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

**External factors which affected outcomes**

- Natural Disasters (drought, weather extremes, etc.)
- Economy
- Appropriations changes
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

**Brief Explanation**

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

## **Evaluation Results**

- Cumulative evaluation data for the period 2011-2013 for the Water, Weather, Climate and Community workshop series (more than 200 participants) show that at least 78% of participants reported increased knowledge about climate topics, 80% of respondents reported increased motivation to do something to address climate change impacts, and close to 86% reported an improved capacity to locate and access climate change related information and people.
  - 93% of participants attending workshops at the annual Saving Special Places Land Conservation Conference reported that they planned to use the new tools, lessons and understandings they learned about in their land conservation and natural resources planning efforts.
  - 75% of NH Method trainees reported they increased their skills, knowledge and understanding of wetland functions and values and wetland evaluation procedures.

## **Key Items of Evaluation**