

2011 University of New Hampshire Extension Annual Report of Accomplishments and Results

Status: Accepted

Date Accepted: 06/21/2012

I. Report Overview

1. Executive Summary

UNH Cooperative Extension is part of a network of county, state and regional outreach education offices that bring the University of New Hampshire resources directly to the people who live and work in New Hampshire. As a major outreach program of the University of New Hampshire, Cooperative Extension provides a direct link between UNH and people throughout the state. In partnership with local residents and volunteers, Cooperative Extension plans and conducts educational programs addressing needs and issues important to New Hampshire people.

Cooperative Extension's broad scope of activities, identified through on-going statewide and local needs assessment and reflected through our many partnerships with other organizations, agencies and academic departments, aim to foster development of competent individuals and strong families, strengthen New Hampshire communities, conserve and improve natural resources, and strengthen the economic viability of agricultural, forest and marine industries.

Cooperative Extension is a network of 120 professional staff located in New Hampshire's 10 counties, at the main UNH campus in Durham, and the urban campus in Manchester. More than 4,000 volunteers extend the reach of Extension staff throughout the state. Cooperative Extension designs and conducts educational programs in the areas of natural resources, and youth, families and communities. We use a variety of methods to engage the public in an interactive process designed to deliver information, research and programs.

eXtension has become a more prominent source of information for many of our clientele. A prominent link to eXtension.org is on our website and almost all of our staff now have an eXtension ID, with many of our specialists participating in Community of Practices (CoP). In addition, we're developing more distance education resources and programming through Facebook and Twitter and have been providing resources through Tweets to the national efforts to document Extension's value across the country.

Agricultural Resources programs respond to the changing needs of a diverse clientele with educational programs that promote environmentally safe practices and effective production, business and marketing strategies for New Hampshire family farms and home gardeners. Local food production and marketing has become an increasingly important component to Extension programming in NH.

Forestry and Wildlife programs work to sustain and improve the economic viability of the state's \$1.9 billion forest products industries, which directly employ 10,000 New Hampshire residents, by providing information and assistance to New Hampshire forest landowners, community leaders, businesses and civic groups. Programs promote general public awareness of the varied economic benefits and ecological services provided by the state's commercial forests.

Sea Grant, Water and Marine Resources programs educates New Hampshire's residents in the stewardship and wise use of freshwater and marine resources. Our programs train and support volunteers who provide outreach and awareness and also assist with monitoring our lakes, streams and estuaries. Extension Specialists work with commercial fishermen to engage them in applied research and

help them remain economically secure and safe in their work.

4-H Youth Development, through diverse programs of hands-on learning, empowers young people to take an active role in decisions affecting their lives, families and communities. Programs include 4-H clubs, special interest groups, after-school programs, camps and short-term special-interest groups. Research has identified a successful positive youth development program as one in which young people feel a sense of belonging, develop a mastery of skills, including life skills that lead to independence and generosity. This philosophy matches the development of the individual through head, heart, hands and health.

Family and Consumer Resources staff develop diverse research-based programs that help New Hampshire individuals, families and communities gain knowledge and skills that foster effective decision-making and help them solve problems that affect their quality of life.

Community Development programs help New Hampshire communities face many emerging and overlapping challenges, which include changing demographics, shifting economic structures, a rise in family and community crises, a decline in volunteerism, loss of jobs and unprecedented growth in some regions and decline in others.

Planned programs include our ongoing work in food safety and childhood obesity and health. Through the Nutrition Connections program, staff teach low-income families, pregnant and parenting teens, the elderly and children to eat healthfully, stretch food dollars and practice food safety. Food safety programs include training and certification for people working in the food service industry as well as consumers.

Total Actual Amount of professional FTEs/SYs for this State

Year: 2011	Extension		Research	
	1862	1890	1862	1890
Plan	85.0	0.0	0.0	0.0
Actual	79.0	0.0	0.0	0.0

II. Merit Review Process

1. The Merit Review Process that was Employed for this year

- External Non-University Panel
- Expert Peer Review

2. Brief Explanation

Each of our traditional program areas underwent a program review process during the past year, asking stakeholders to answer survey questions, participate in focus group interviews and provide input on the highest priority programs in each area.

III. Stakeholder Input

1. Actions taken to seek stakeholder input that encouraged their participation

- Targeted invitation to traditional stakeholder groups
- Targeted invitation to traditional stakeholder individuals
- Targeted invitation to selected individuals from general public
- Other (Advisory Council Meetings)

Brief explanation.

140 citizen volunteers participate in county and state-wide Advisory Councils. These councils not only advise local Extension staff on the priorities of people living in the county, but also participate in hiring of new staff and performance reviews of existing staff.

2(A). A brief statement of the process that was used by the recipient institution to identify individuals and groups stakeholders and to collect input from them

1. Method to identify individuals and groups

- Use Advisory Committees
- Needs Assessments

Brief explanation.

Council members are appointed for 2 year terms and identified based on their interests, the community where they live and experiences with some of Extension's target audiences.

2(B). A brief statement of the process that was used by the recipient institution to identify individuals and groups who are stakeholders and to collect input from them

1. Methods for collecting Stakeholder Input

- Meeting with traditional Stakeholder groups
- Meeting with traditional Stakeholder individuals
- Survey of selected individuals from the general public

Brief explanation.

Through monthly county meetings, biannual state advisory council meetings, web-surveys and listening sessions

3. A statement of how the input will be considered

- To Identify Emerging Issues
- Redirect Extension Programs
- In the Staff Hiring Process
- In the Action Plans
- To Set Priorities

Brief explanation.

Input helped direct reorganization as well as ongoing staffing priorities

Brief Explanation of what you learned from your Stakeholders

good insight into needs of New Hampshire citizens

IV. Expenditure Summary

1. Total Actual Formula dollars Allocated (prepopulated from C-REEMS)			
Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
1663761	0	0	0

2. Totaled Actual dollars from Planned Programs Inputs				
Extension			Research	
	Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
Actual Formula	1663761	0	0	0
Actual Matching	1663761	0	0	0
Actual All Other	14917826	0	0	0
Total Actual Expended	18245348	0	0	0

3. Amount of Above Actual Formula Dollars Expended which comes from Carryover funds from previous				
Carryover	0	0	0	0

V. Planned Program Table of Content

S. No.	PROGRAM NAME
1	Forestry and Wildlife
2	Agricultural Resources
3	4-H Youth Development
4	Strengthening New Hampshire Communities through Civic Participation and Leadership
5	Family and Consumer Resources
6	Natural Resource Business Institute
7	Sea Grant and Water Resources
8	Food Safety
9	Childhood Obesity

V(A). Planned Program (Summary)

Program # 1

1. Name of the Planned Program

Forestry and Wildlife

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%			
	Total	100%			

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2011	Extension		Research	
	1862	1890	1862	1890
Plan	15.0	0.0	0.0	0.0
Actual Paid Professional	13.0	0.0	0.0	0.0
Actual Volunteer	0.0	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
266202	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
266202	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
2386852	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

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

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 regardless of audience including prep time

Volunteer training and management: Coverts, Community Tree 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, municipal and other forest landowners, natural resource professionals, communities, volunteers, NH forest-based industries and the public.

3. How was eXtension used?

eXtension web resources are linked from our Forestry and Wildlife web page.

V(E). Planned Program (Outputs)

1. Standard output measures

2011	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	9868	25142	1181	0

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

Patent Applications Submitted

Year: 2011

Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2011	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
2011	118

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
2011	1342

Output #3

Output Measure

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

Year	Actual
2011	25000

Output #4

Output Measure

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

Year	Actual
2011	9800

Output #5

Output Measure

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

Year	Actual
2011	425

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	Crosscutting narrative - Forest Stewardship

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
2011	13270

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See crosscutting narrative

What has been done

Results

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

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	22

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See crosscutting narrative

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
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

Year	Actual
2011	20

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See crosscutting narrative

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
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

Year	Actual
2011	620

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See crosscutting narrative

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
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

Year	Actual
2011	80

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See crosscutting narrative

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
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
2011	1834

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See crosscutting narrative

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

Year	Actual
2011	9

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See crosscutting narrative

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
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

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	33690

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See crosscutting narrative

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
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

Year	Actual
2011	92

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See crosscutting narrative

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
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

Year	Actual
2011	425

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See crosscutting narrative

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
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

Crosscutting narrative - Forest Stewardship

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Condition Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

There are approximately 4,803,378 acres of forested land in New Hampshire, nearly 84% of the state. Of the 4,803,378 acres, 75% is privately owned. Cooperative Extension's Forestry and Wildlife Program staff are available to work with these landowners and help them maximize the economic, educational and ecological benefits of the land, which include direct and indirect benefits to the landowners themselves and the communities where the land resides.

In one year alone, New Hampshire residents received over \$30 million of income from selling timber and other wood products and New Hampshire towns received over \$3 million in timber tax (2011, NH Department of Revenue Administration). Healthy, sustainable forests are critical to New Hampshire's forest products industry and the forest-related tourism and recreation industries which contribute more than \$1.15 billion annually to the state's economy.

What has been done

Extension foresters referred 319 landowners owning 22,408 acres to licensed foresters who wrote forest stewardship plans on over 13,270 acres.

Over 620 Coverts Cooperators and Natural Resource Stewards are actively involved in conservation in their communities. Volunteers contributed over 44,320 hours in 2011.

New Hampshire County Forest Resources Educators, in partnership with the Natural Resources Conservation Service (NRCS) and the Farm Service Agency (FSA), implement the NRCS Environmental Quality Incentives Program (EQIP), and the Wildlife Habitat Improvement Program (WHIP) in the state.

Results

Plan development by foresters represents approximately \$265,580 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.

Volunteers worked to minimize the effect of fragmentation and sprawl through open space initiatives and by participating in local land trusts and town boards. They actively manage over 100,000 acres and reached out to over 36,000 people with a message of sound forest stewardship and wildlife conservation. Speaking for Wildlife, a speakers bureau staffed by volunteers, delivered over 40 wildlife presentations and walks in communities with the support of Cooperative Extension staff.

Federal financial assistance programs provide financial assistance for practices that improve and protect forestland, wildlife habitat and water quality and can act as the catalyst for the forest products industry in New Hampshire. 40 Technical Service Providers (TSPs) were trained and certified with direct assistance, enabling them to provide services and earn income. These funds provided a financial stimulus for the forest-based economy during challenging market conditions and often meant the difference between working and not working for the foresters.

Nine communities used information from New Hampshire's Wildlife Action Plan in natural resource inventories and conservation plans. Five communities took action by holding public events on town lands, contacting landowners, implementing conservation planning from natural resource inventories and beginning forest management plans. An estimated 33,690 acres of forest and field have been permanently protected with assistance provided by the UNH Cooperative Extension during this fiscal year.

4. Associated Knowledge Areas

KA Code	Knowledge Area
123	Management and Sustainability of Forest Resources
124	Urban Forestry
135	Aquatic and Terrestrial Wildlife

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

V(I). Planned Program (Evaluation Studies)

Evaluation Results

Surveys - print and web

Key Items of Evaluation

V(A). Planned Program (Summary)

Program # 2

1. Name of the Planned Program

Agricultural Resources

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
102	Soil, Plant, Water, Nutrient Relationships	10%			
205	Plant Management Systems	10%			
211	Insects, Mites, and Other Arthropods Affecting Plants	10%			
212	Pathogens and Nematodes Affecting Plants	5%			
216	Integrated Pest Management Systems	20%			
315	Animal Welfare/Well-Being and Protection	5%			
601	Economics of Agricultural Production and Farm Management	20%			
602	Business Management, Finance, and Taxation	10%			
604	Marketing and Distribution Practices	10%			
	Total	100%			

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2011	Extension		Research	
	1862	1890	1862	1890
Plan	18.0	0.0	0.0	0.0
Actual Paid Professional	19.0	0.0	0.0	0.0
Actual Volunteer	0.0	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
399302	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
399302	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
3580279	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

Workshops/conferences - including single- and multi-day conferences, Farm and Forest events, and various producer association meetings
 Pasture walks & twilight meetings
 Farm/site visits, including kitchen table meetings and private consultations
 On-farm and university-based applied research projects
 Phone consultations
 Pesticide Applicator Training
 Soil and plant tissue diagnostic services
 Publications - newsletters, news releases, fact sheets, publications, web page
 Radio and TV spots

2. Brief description of the target audience

Farmers/producers, people who work in agriculture-related fields, homeowners, nursery/greenhouse managers, turf managers

3. How was eXtension used?

eXtension websites were shared and included on our web site

V(E). Planned Program (Outputs)

1. Standard output measures

2011	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	22494	68466	508	0

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

Patent Applications Submitted

Year: 2011

Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2011	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Number of people attending pasture walks
Not reporting on this Output for this Annual Report

Output #2

Output Measure

- Number of farm/site visits, including kitchen table meetings and private consultations

Year	Actual
2011	1077

Output #3

Output Measure

- Number of people reached with agriculture information via radio and TV spots

Year	Actual
2011	68000

Output #4

Output Measure

- Number of people who attend twilight grower meetings

Year	Actual
2011	300

Output #5

Output Measure

- Number of phone consultations regarding agricultural practices, home horticulture and miscellaneous agriculture topics

Year	Actual
2011	4516

Output #6

Output Measure

- Number of Pesticide Applicators attending recertification training

Year	Actual
2011	1683

Output #7

Output Measure

- Number of soil and plant analyses conducted by diagnostic labs

Year	Actual
2011	3206

Output #8

Output Measure

- Number of people reached through educational Workshops - Single & multi-day educational events such as grower schools, state-wide grazing events, etc.

Year	Actual
2011	700

Output #9

Output Measure

- Number of people reached though conferences: Farm & Forest, Producer Association Meetings

Year	Actual
2011	10000

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Number of NH growers who adopt practices that improve farm productivity, quality of life, environmental conditions, and/or profitability.
2	Number of NH growers who submit soil and/or tissue tests to determine crop nutrient needs
3	Number of NH growers who formulate plans to guide their crop production, pest management, nutrient allocation, or farm management decisions
4	Number of NH growers who increase their skills, knowledge, and/or awareness of farm management techniques, risk management programs, or marketing practices
5	Number of NH growers who increase their knowledge, awareness, and/or skills in crop production practices
6	Number of NH growers who increase knowledge, awareness, and/or skills in pest management practices and technologies.
7	Number of NH growers who increase knowledge, awareness, and/or skills in new research, technology
8	Number of participants who increase their knowledge, awareness and/or skills in practices and technologies to increase the quality of athletic fields, public spaces and/or golf course conditions
9	Number of participants in home horticulture programs who gain skills that improve self-esteem, enable them to grow and preserve crops, adopt IPM practices and protect and enhance their environment.
10	Number of NH growers who increase their skills, knowledge or awareness in practices or methods related to dairy, livestock or equine production methods.

Outcome #1

1. Outcome Measures

Number of NH growers who adopt practices that improve farm productivity, quality of life, environmental conditions, and/or profitability.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	245

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
102	Soil, Plant, Water, Nutrient Relationships
205	Plant Management Systems
216	Integrated Pest Management Systems
601	Economics of Agricultural Production and Farm Management

Outcome #2

1. Outcome Measures

Number of NH growers who submit soil and/or tissue tests to determine crop nutrient needs

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	2862

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Over-application of fertilizers can negatively impact water quality as well as plant growth, and is expensive. Under-application of fertilizers results in poor plant growth and loss of potential yields and profits. Soil tests and plant tissue tests (for perennial fruit crops) are tools that help growers determine nutrient availability and crop needs.

What has been done

Along with other types of samples, recommendations were issued to approximately 1500 farmers, land managers, or citizens for 2862 samples during this period. This reflects a 9% decrease over the number of samples done during the previous year, which had been at an all-time high. The largest decrease was a 57% decrease in commercial corn, forage and pasture samples; this same group had seen a 22% increase in 2010. Fruit samples saw an 18% decrease, and vegetable samples saw a 13% decrease. Home grounds and gardens samples were down only 7%. It is likely that these decreases can be largely attributed to a correction following the surge in popularity of home gardening with the onset of the economic downturn in 2008-2009.

Results

The overwhelming majority of respondents to a follow up survey valued UNHCE Soil testing, found it useful, followed the soil test recommendations, and would not only use the service again, but would also recommend it to others.

Specific impacts, homeowner soil tests:

- 94% (119 people) felt that soil test recommendations from UNHCE were useful
- 88% (112 people) followed the recommendations and based fertilizer decisions on test results.
- 27% (45 people) did something different than they would have done if they had not soil tested, e.g. applied less or more fertilizer.
- 80% (102 people) planned to test their soil on a regular basis
- 100% (127 people) would recommend soil testing to others
- 3% (4 people) chose not to plant vegetables because their test showed very high levels of lead.

Specific impacts, commercial soil tests:

- 82% (32 farmers) felt that soil test recommendations from UNHCE were useful
- 74% (29 farmers) followed the recommendations and based fertilizer decisions on test results.
- Farmers were not able to estimate whether more or less material was used than would have been used without tests, since they base application decisions on soil tests.
- 79% (31 farmers) planned to test their soil on a regular basis, every 1-3 years.

- 90% (35 people) would recommend soil testing to others.

Commercial farmers were more likely to have learned about soil testing from UNHCE educators or specialists (46%), whereas homeowners rarely (13%) learned about soil testing from educators or specialists. Friends and websites were more common (48%) sources of information about soil testing for homeowners.

4. Associated Knowledge Areas

KA Code	Knowledge Area
102	Soil, Plant, Water, Nutrient Relationships
205	Plant Management Systems

Outcome #3

1. Outcome Measures

Number of NH growers who formulate plans to guide their crop production, pest management, nutrient allocation, or farm management decisions

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	265

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Pests (weeds, insects and diseases) can limit farm profitability through reduced yields. Research-based information about how to identify, diagnose or prevent pest problems can reduce costs and environmental impact of pest control strategies. Soil tests and plant tissue tests are tools that help growers determine nutrient availability and crop needs. New growing practices (including new varieties, new crops, season extension, and more) can increase farm profitability through diversification, improved yields, and improved crop quality.

What has been done

Twilight meetings were held and results of applied research presented. In addition, workshops and web-based information has been presented on a variety of topics.

Results

This report focuses on UNHCE activities targeting vegetable and fruit growers between March 2010 and March 2011. Fifty-four growers were surveyed. Specifically, they were asked about the results of publications (vegetable, fruit, and tree fruit management guides, newsletters), programs (workshops, twilight meetings, the New England vegetable and fruit conference), and activities (soil/tissue testing, plant diagnosis, insect identification, the Apple hotline, IPM trapping programs, and contact with educators and specialists). Significant impacts include:

- A high percentage of growers reported that programs including meetings, workshops, and on-farm twilight meetings sponsored by UNHCE helped them increase their ability to identify, diagnose or manage pests (50%), adopt or try new methods of preventing or managing pests (30-45%), adopt or try new growing practices (45-55%), increase their knowledge of nutrient management (25-45%), or improve the way they market their crops (45-55%).
- Many tree fruit growers reported that programs including meetings, workshops, and on-farm twilight meetings sponsored by UNHCE helped them increase their ability to identify, diagnose or manage pests (43-63%), adopt or try new methods of preventing or managing pests (40-50%), or adopt or try new growing practices (33-47%).
- Over 55-60% of growers and 47-60% of tree fruit growers reported that direct contact with a UNHCE county educator or UNHCE specialist helped them to increase their ability to identify, diagnose or manage pests or adopt or try new growing practices.
- Growers reported that the NH IPM Newsletter primarily helped them identify, diagnose or manage pests (30-57%), but also led them to adopt new methods of preventing or managing pests (25-40%).
- 50-65% of growers reported that Soil or Plant Tissue Testing helped them to apply fertilizers based on crop needs; 40-50% reported that it improved their knowledge of nutrient management.
- Growers reported that the NH Apple IPM Hotline (27% of tree fruit growers), Insect Identification (30-40%), and the Plant Diagnostic Lab (15-23%) helped them identify, diagnose or manage pests.

Thirteen growers (25% of respondents) cited specific changes that they implemented on their farm as a result of UNHCE activities (including all of the above). These ranged from saving a tomato crop (valued over \$5000), installing apple fencing to increase production by 20-25%, using new pest management methods such as pheromone traps and parasitic insects, using data from IPM scouting program to reduce damage to crops (valued at over \$50,000), diversifying their farming options, increasing record-keeping to increase profitability, reducing fertilizers, and calibrating sprayers to reduce crop damage and apply pesticides correctly.

4. Associated Knowledge Areas

KA Code	Knowledge Area
102	Soil, Plant, Water, Nutrient Relationships
205	Plant Management Systems
211	Insects, Mites, and Other Arthropods Affecting Plants
212	Pathogens and Nematodes Affecting Plants
216	Integrated Pest Management Systems

Outcome #4

1. Outcome Measures

Number of NH growers who increase their skills, knowledge, and/or awareness of farm management techniques, risk management programs, or marketing practices

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	145

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation
604	Marketing and Distribution Practices

Outcome #5

1. Outcome Measures

Number of NH growers who increase their knowledge, awareness, and/or skills in crop production practices

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	852

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
102	Soil, Plant, Water, Nutrient Relationships
205	Plant Management Systems

Outcome #6

1. Outcome Measures

Number of NH growers who increase knowledge, awareness, and/or skills in pest management practices and technologies.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	1864

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
211	Insects, Mites, and Other Arthropods Affecting Plants
212	Pathogens and Nematodes Affecting Plants
216	Integrated Pest Management Systems

Outcome #7

1. Outcome Measures

Number of NH growers who increase knowledge, awareness, and/or skills in new research, technology

Not Reporting on this Outcome Measure

Outcome #8

1. Outcome Measures

Number of participants who increase their knowledge, awareness and/or skills in practices and technologies to increase the quality of athletic fields, public spaces and/or golf course conditions

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	150

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
102	Soil, Plant, Water, Nutrient Relationships
205	Plant Management Systems
216	Integrated Pest Management Systems

Outcome #9

1. Outcome Measures

Number of participants in home horticulture programs who gain skills that improve self-esteem, enable them to grow and preserve crops, adopt IPM practices and protect and enhance their environment.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	481

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
205	Plant Management Systems
216	Integrated Pest Management Systems
601	Economics of Agricultural Production and Farm Management

Outcome #10

1. Outcome Measures

Number of NH growers who increase their skills, knowledge or awareness in practices or methods related to dairy, livestock or equine production methods.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	100

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
315	Animal Welfare/Well-Being and Protection
601	Economics of Agricultural Production and Farm Management
604	Marketing and Distribution Practices

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

{No Data Entered}

V(I). Planned Program (Evaluation Studies)

Evaluation Results

{No Data Entered}

Key Items of Evaluation

{No Data Entered}

V(A). Planned Program (Summary)

Program # 3

1. Name of the Planned Program

4-H Youth Development

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
802	Human Development and Family Well-Being	20%			
805	Community Institutions, Health, and Social Services	10%			
806	Youth Development	70%			
	Total	100%			

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2011	Extension		Research	
	1862	1890	1862	1890
Plan	14.0	0.0	0.0	0.0
Actual Paid Professional	12.0	0.0	0.0	0.0
Actual Volunteer	0.0	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
266202	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
266202	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
2386852	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

- Recruit, screen, orient new volunteers
- Support and recognize volunteers
- Middle manager system design and support
- Volunteer/staff training-multiple delivery methods
- Club/group organization, management, and reporting
- 4-H Afterschool (includes coalitions, meetings, staff training ,etc.)
- CYFAR - (includes coalitions, meetings, staff training, etc.)
- OMK - (includes coalitions, meetings, staff training, etc.)
- Technical support to youth serving agencies/organizations
- Grant development
- Media, including radio. TV, newspaper (indirect)
- 4-H Foundation work (local and state-wide) - fund raising activities
- Marketing/PR, general 4-H newsletters
- Event and activity development and management
- Subject matter/life skill training-multiple delivery methods
- Records, Resume, recognition opportunities
- County Fair

2. Brief description of the target audience

Youth - ages 5-18 involved in community 4-H clubs, after school programs, community coalitions and classrooms.

Adult volunteers, educators, decision makers, policy makers

3. How was eXtension used?

eXtension was not used in this program

V(E). Planned Program (Outputs)

1. Standard output measures

2011	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	14636	0	14076	0

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

Patent Applications Submitted

Year: 2011
Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2011	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Number of volunteers supported and recognized

Year	Actual
2011	2141

Output #2

Output Measure

- Number of volunteers trained

Year	Actual
2011	196

Output #3

Output Measure

- Number of clubs/groups supported

Year	Actual
2011	3105

Output #4

Output Measure

- Number of youth enrolled in 4-H as a 4-H club, after school or special interest group member

Year	Actual
2011	11940

Output #5

Output Measure

- Number of youth and adults participating in community service projects

Year	Actual
-------------	---------------

2011

5938

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Number of of NH youth involved in 4-H YD programs who demonstrate an increase in specific life skills.
2	Number of youth/adults who demonstrate an increase in knowledge and skills related to specific projects and/or subject matter.
3	Number of youth and adults surveyed on involvement in 4-H YD programs that reported they influenced their community.
4	Number of NH youth over the age of 12 and involved in targeted 4-H YD, who present their achievements and/or act as teachers or resources to others through their 4-H experience.
5	Number of 4-H YD volunteers and program staff surveyed that understand and adopt practices within their programs/groups/clubs which foster a sense of belonging, mastery, generosity and independence (Circle of Courage) for all participating youth

Outcome #1

1. Outcome Measures

Number of of NH youth involved in 4-H YD programs who demonstrate an increase in specific life skills.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	426

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See crosscutting narrative

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
802	Human Development and Family Well-Being
806	Youth Development

Outcome #2

1. Outcome Measures

Number of youth/adults who demonstrate an increase in knowledge and skills related to specific projects and/or subject matter.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	230

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
806	Youth Development

Outcome #3

1. Outcome Measures

Number of youth and adults surveyed on involvement in 4-H YD programs that reported they influenced their community.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	46

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services
806	Youth Development

Outcome #4

1. Outcome Measures

Number of NH youth over the age of 12 and involved in targeted 4-H YD, who present their achievements and/or act as teachers or resources to others through their 4-H experience.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	400

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
806	Youth Development

Outcome #5

1. Outcome Measures

Number of 4-H YD volunteers and program staff surveyed that understand and adopt practices within their programs/groups/clubs which foster a sense of belonging, mastery, generosity and independence (Circle of Courage) for all participating youth

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	188

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
806	Youth Development

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Economy
- Appropriations changes
- Populations changes (immigration, new cultural groupings, etc.)

Brief Explanation

{No Data Entered}

V(I). Planned Program (Evaluation Studies)

Evaluation Results

{No Data Entered}

Key Items of Evaluation

{No Data Entered}

V(A). Planned Program (Summary)

Program # 4

1. Name of the Planned Program

Strengthening New Hampshire Communities through Civic Participation and Leadership

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
805	Community Institutions, Health, and Social Services	75%			
806	Youth Development	5%			
903	Communication, Education, and Information Delivery	20%			
	Total	100%			

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2011	Extension		Research	
	1862	1890	1862	1890
Plan	3.0	0.0	0.0	0.0
Actual Paid Professional	1.5	0.0	0.0	0.0
Actual Volunteer	0.0	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
33275	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
33275	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
298356	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

Â

- Community Profiles, a community-level strategic planning program enables diverse community citizens to come together and map out their desired future and develop an action plan to achieve that future. In addition to working with communities to organize and facilitate Community Profiles, SNHC staff provide follow-up technical assistance to community action teams working on specific projects
- Participatory Planning: Provide assistance/training to enable communities to implement participatory planning processes (i.e. Master Plan visioning, visioning for the arts, youth-adult partnerships, juvenile justice, and accessible agriculture).
- Economic and Tourism Development Assistance: SNHC Team members provide technical and planning assistance to local economic development corporations, regional economic entities and tourism development groups to enhance their decision-making with regard to tourism and economic development plans, projects and activities.
- Web-Based Community Planning Tools: The SNHC team is developing a suite of web-based tools that will enable community decision-makers to conduct community assessments, inform community decisions and implement community-based plans. Examples of tools include the Community Capacity Assessment and the Land Use Resource Clearinghouse.
- Facilitation/leadership skills course-provide yearly skills courses of two to five sessions to community leaders in group facilitation, participatory planning techniques and leadership.
- Global Positioning System (GPS) Training: Provide training to community groups on using global positioning systems to map community assets.

2. Brief description of the target audience

Youth and adult audiences will be addressed through civic participation and leadership programs. Particular emphasis will be made to include formal, informal, and potential community leaders and disenfranchised audiences (low-income, minority, individuals with disabilities).

3. How was eXtension used?

eXtension was not used in this program

V(E). Planned Program (Outputs)

1. Standard output measures

2011	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	1205	137	0	0

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

Year: 2011
 Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2011	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Number of community leaders who complete a facilitation/leadership skills course

Year	Actual
2011	28

Output #2

Output Measure

- Number of people receiving Global Positioning System (GPS) Training

Year	Actual
2011	2741

Output #3

Output Measure

- Number of people viewing web-based Inventory Citizen Engagement/Leadership Resources

Year	Actual
------	--------

2011 137

Output #4

Output Measure

- Number of Community Profiles (community-level strategic planning program enables diverse community citizens to come together and map out their desired future and develop an action plan to achieve that future) held.

Year	Actual
2011	2

Output #5

Output Measure

- Number of communities provided with technical assistance to enhance their decision making with regard to tourism and economic development plans, project, and activities.

Year	Actual
2011	12

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Number of groups/organizations around the state that network more effectively and share resources, expertise, and assistance with other groups. This will enable groups to provide more needed services to individuals and communities.
2	Number of groups around the state to implement participatory decision-making processes as a result of Civic Participation and Leadership Team activities (i.e. Master Plan Visioning Session, Community Profile Action Planning, strategic planning)
3	Number of groups that learn to collaborate more effectively to form partnerships and/or community coalitions
4	Number of community leaders who learn skills to more effectively lead groups/organizations
5	Number of communities that build a knowledge base of resources for building civic engagement and leadership
6	Number of community leaders who learn processes and techniques for engaging citizens in community decision-making
7	Number of communities that work with Extension to implement mechanisms/tools to analyze the current situation and identify emerging issues to be addressed.
8	Number of community leaders who develop a new understanding of the issues facing their community.
9	Number of citizens who take on new leadership roles within their community as a result of Extension programs.
10	Number of action groups/committees that utilize UNH Cooperative Extension expertise in partnership with other agencies/organizations around the state to preserve and conserve open space.
11	Number of citizens and community leaders who develop a better understanding of local land use planning and zoning policies
12	Number of action groups/committees that engage diverse audiences in planning for the economic viability of their communities.
13	Crosscutting narrative

Outcome #1

1. Outcome Measures

Number of groups/organizations around the state that network more effectively and share resources, expertise, and assistance with other groups. This will enable groups to provide more needed services to individuals and communities.

Not Reporting on this Outcome Measure

Outcome #2

1. Outcome Measures

Number of groups around the state to implement participatory decision-making processes as a result of Civic Participation and Leadership Team activities (i.e. Master Plan Visioning Session, Community Profile Action Planning, strategic planning)

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	8

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See crosscutting narrative

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services

Outcome #3

1. Outcome Measures

Number of groups that learn to collaborate more effectively to form partnerships and/or community coalitions

Not Reporting on this Outcome Measure

Outcome #4

1. Outcome Measures

Number of community leaders who learn skills to more effectively lead groups/organizations

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	22

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See crosscutting narrative

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services

Outcome #5

1. Outcome Measures

Number of communities that build a knowledge base of resources for building civic engagement and leadership

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	8

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See crosscutting narrative

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services
903	Communication, Education, and Information Delivery

Outcome #6

1. Outcome Measures

Number of community leaders who learn processes and techniques for engaging citizens in community decision-making

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	20

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See crosscutting narrative

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services

Outcome #7

1. Outcome Measures

Number of communities that work with Extension to implement mechanisms/tools to analyze the current situation and identify emerging issues to be addressed.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	200

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See crosscutting narrative

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services

Outcome #8

1. Outcome Measures

Number of community leaders who develop a new understanding of the issues facing their community.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	20

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See crosscutting narrative

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services
806	Youth Development

Outcome #9

1. Outcome Measures

Number of citizens who take on new leadership roles within their community as a result of Extension programs.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	5

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services
806	Youth Development
903	Communication, Education, and Information Delivery

Outcome #10

1. Outcome Measures

Number of action groups/committees that utilize UNH Cooperative Extension expertise in partnership with other agencies/organizations around the state to preserve and conserve open space.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	19

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services

Outcome #11

1. Outcome Measures

Number of citizens and community leaders who develop a better understanding of local land use planning and zoning policies

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	36

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services
903	Communication, Education, and Information Delivery

Outcome #12

1. Outcome Measures

Number of action groups/committees that engage diverse audiences in planning for the economic viability of their communities.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	8

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See crosscutting narrative

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services
903	Communication, Education, and Information Delivery

Outcome #13

1. Outcome Measures

Crosscutting narrative

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Community leaders, businesses, policy-makers and residents of New Hampshire are concerned that shifting demographics, declining resource-based industries, lack of affordable housing for families and workers, degradation of land and water resources, increased incidence of high school dropouts, low levels of volunteerism, and declining participation in community decision-making, are threatening individuals' and communities' quality of life in New Hampshire.

What has been done

UNH Cooperative Extension's community development programming helps communities achieve long-term well-being by building human, environmental, economic, and social capacity by providing a variety of educational services to community residents, organizations, and local governments. Programs include:

- Community Profiles Visioning Program
- Master Plan Public Input Assistance
- Local Economic Analysis and Economic Development Planning Assistance
- Community Needs Assessment

Results

Over a dozen state agencies and organizations received strategic planning support from UNH Extension that resulted in plans aimed at sustaining them into the future.

Eight community action committees resulting from Extension's facilitation of Community Profiles (community visioning) in six communities continue to pursue activities aimed at improving their communities (e.g. downtown revitalization project, beautification of downtown parkway, inventory of business needs and assets, securing of funds to conserve agricultural land, etc.)

Four communities engaged their respective residents in the process of revitalizing their Master Plans with the help of UNH Extension. The Master Plans resulted in new incentives, modified regulations, and technical support to preserve attributes valued by community residents.

Twenty-two individuals learned how to facilitate public meetings through the facilitation workshop series. Over half have gone on to facilitate forums, meetings, and planning sessions for their respective communities and organizations.

Two communities conducted assessments of local economic assets and opportunities with Extension's support. One of these communities (Henniker) subsequently formed a Chamber of Commerce to pursue the economic opportunities identified and has provided financial and technical support to new and existing businesses.

4. Associated Knowledge Areas

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services
806	Youth Development
903	Communication, Education, and Information Delivery

V(H). Planned Program (External Factors)

External factors which affected outcomes

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

Brief Explanation

V(I). Planned Program (Evaluation Studies)

Evaluation Results

Over a dozen state agencies and organizations received strategic planning support from UNH Extension that resulted in plans aimed at sustaining them into the future.

Eight community action committees resulting from Extension's facilitation of Community Profiles (community visioning) in six communities continue to pursue activities aimed at improving their communities (e.g. downtown revitalization project, beautification of downtown parkway, inventory of business needs and assets, securing of funds to conserve agricultural land, etc.)

Four communities engaged their respective residents in the process of revitalizing

their Master Plans with the help of UNH Extension. The Master Plans resulted in new incentives, modified regulations, and technical support to preserve attributes valued by community residents.

Twenty-two individuals learned how to facilitate public meetings through the facilitation workshop series. Over half have gone on to facilitate forums, meetings, and planning sessions for their respective communities and organizations.

Two communities conducted assessments of local economic assets and opportunities with Extension's support. One of these communities (Henniker) subsequently formed a Chamber of Commerce to pursue the economic opportunities identified and has provided financial and technical support to new and existing businesses.

Key Items of Evaluation

V(A). Planned Program (Summary)

Program # 5

1. Name of the Planned Program

Family and Consumer Resources

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
801	Individual and Family Resource Management	35%			
802	Human Development and Family Well-Being	65%			
	Total	100%			

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2011	Extension		Research	
	1862	1890	1862	1890
Plan	13.0	0.0	0.0	0.0
Actual Paid Professional	12.2	0.0	0.0	0.0
Actual Volunteer	0.0	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
266202	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
266202	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
2386852	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

- Parenting Education such as Strengthening Families 10- 14, Dare To Be You, Family Focus, Supportive Connections for Single Parent Families, Stepfamilies, Relatives as Parents; Cradle Crier and Toddler Tales (age- paced newsletters); Single topic sessions including Positive Discipline, Raising Your Child's Self- Esteem

- Better Kid Care, Promoting the Social Emotional Competence of Young Children, Collaborations with NH Resource and Referral Agencies.

- Making Money Work for You, Planning Ahead...Staying Ahead, Credit Check Up, Debt Check Up, Starting Over Bankruptcy Education, Take the Road to Financial Security in Later Life, Investing for Your Future, Legally Secure Your Financial Future, High School Financial Planning

2. Brief description of the target audience

Parents, youth, child care providers, policy makers, human service agencies, families

3. How was eXtension used?

Just In Time Parenting newsletter series is used extensively in NH as well as resources from the Managing Money in Tough Times section of eXtension.

V(E). Planned Program (Outputs)

1. Standard output measures

2011	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	42365	194	5314	0

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

Patent Applications Submitted

Year: 2011

Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2011	Extension	Research	Total
------	-----------	----------	-------

Actual	0	0	0
---------------	---	---	---

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Number of people participating in Better Kid Care, Promoting the Social Emotional Competence of Young Children, Collaborations with NH Resource and Referral Agencies

Year	Actual
2011	187

Output #2

Output Measure

- Number of adults participating in Making Money Work for You, Planning Ahead...Staying Ahead, Credit Check Up, Debt Check Up, Starting Over Bankruptcy Education, Take the Road to Financial Security in Later Life, or Investing for Your Future

Year	Actual
2011	793

Output #3

Output Measure

- Number of people participating in Parenting Education such as Strengthening Families 10- 14, Dare To Be You, Family Focus, Supportive Connections for Single Parent Families, Stepfamilies, Relatives as Parents; receiving Cradle Crier and Toddler Tales

Year	Actual
2011	3022

Output #4

Output Measure

- Number of youth participating in Making Money Work for You, Planning Ahead...Staying Ahead, Credit Check Up, Debt Check Up, Starting Over Bankruptcy Education, Take the Road to Financial Security in Later Life, or Investing for Your Future

Year	Actual
2011	188

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Number of program participants who report utilizing effective practices that lead to quality child care experiences
2	Number of money management education participants who document their improved money management practices on evaluation instruments
3	Number of program participants who document an increase in their financial literacy on evaluation instruments
4	Number of participants reporting a positive change in family functioning and resiliency as indicated by such behaviors as listening to one another, talking about and solving problems and pulling together when faced with stressful situations.
5	Number of participants that indicate a positive increase in their ability to access social support such as having someone to talk to when their family is in crisis, facing problems, or when they feel lonely.
6	Number of participants that report a positive change in their ability to provide nurturing and attachment to their child(ren) as indicated by the frequency they felt happy being with their child, they felt close to their child, were able to soothe their child when he/she was upset, and spending time with their child doing what he or she likes
7	Number of participants that indicate an increase in their Understanding of Child Development and Knowledge of Parenting
8	Number of participants that indicate that as a direct result of their participation in this Cooperative Extension Program, they have improved their behavior related to parenting, stress/time management, family coping, communication, conflict management, and/or access to services and support
9	Number of participants that indicate satisfaction with their quality of life including their family relationships, their community's schools, their ability to access health care and with their neighborhood and community

Outcome #1

1. Outcome Measures

Number of program participants who report utilizing effective practices that lead to quality child care experiences

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	73

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
802	Human Development and Family Well-Being

Outcome #2

1. Outcome Measures

Number of money management education participants who document their improved money management practices on evaluation instruments

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	370

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
801	Individual and Family Resource Management

Outcome #3

1. Outcome Measures

Number of program participants who document an increase in their financial literacy on evaluation instruments

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	414

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
801	Individual and Family Resource Management

Outcome #4

1. Outcome Measures

Number of participants reporting a positive change in family functioning and resiliency as indicated by such behaviors as listening to one another, talking about and solving problems and pulling together when faced with stressful situations.

Not Reporting on this Outcome Measure

Outcome #5

1. Outcome Measures

Number of participants that indicate a positive increase in their ability to access social support such as having someone to talk to when their family is in crisis, facing problems, or when they feel lonely.

Not Reporting on this Outcome Measure

Outcome #6

1. Outcome Measures

Number of participants that report a positive change in their ability to provide nurturing and attachment to their child(ren) as indicated by the frequency they felt happy being with their child, they felt close to their child, were able to soothe their child when he/she was upset, and spending time with their child doing what he or she likes

Not Reporting on this Outcome Measure

Outcome #7

1. Outcome Measures

Number of participants that indicate an increase in their Understanding of Child Development and Knowledge of Parenting

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	53

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
802	Human Development and Family Well-Being

Outcome #8

1. Outcome Measures

Number of participants that indicate that as a direct result of their participation in this Cooperative Extension Program, they have improved their behavior related to parenting, stress/time management, family coping, communication, conflict management, and/or access to services and support

Not Reporting on this Outcome Measure

Outcome #9

1. Outcome Measures

Number of participants that indicate satisfaction with their quality of life including their family relationships, their community's schools, their ability to access health care and with their neighborhood and community

Not Reporting on this Outcome Measure

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Economy
- Competing Public priorities
- Populations changes (immigration, new cultural groupings, etc.)

Brief Explanation

V(I). Planned Program (Evaluation Studies)

Evaluation Results

Follow up evaluations from financial literacy programs

Key Items of Evaluation

V(A). Planned Program (Summary)

Program # 6

1. Name of the Planned Program

Natural Resource Business Institute

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
601	Economics of Agricultural Production and Farm Management	25%			
602	Business Management, Finance, and Taxation	25%			
604	Marketing and Distribution Practices	25%			
605	Natural Resource and Environmental Economics	25%			
	Total	100%			

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2011	Extension		Research	
	1862	1890	1862	1890
Plan	0.5	0.0	0.0	0.0
Actual Paid Professional	1.0	0.0	0.0	0.0
Actual Volunteer	0.0	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
16638	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
16638	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
149178	0	0	0

V(D). Planned Program (Activity)

2011

20

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Number of participants who start, expand or modify a business enterprise
2	Number of participants who report completing a planning worksheets on a regular basis

Outcome #1

1. Outcome Measures

Number of participants who start, expand or modify a business enterprise

Not Reporting on this Outcome Measure

Outcome #2

1. Outcome Measures

Number of participants who report completing a planning worksheets on a regular basis

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	20

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Agriculture and other natural resource businesses make significant contributions to the New Hampshire economy and provide stewardship over the state's natural resources ensuring a working landscape. The State's citizens and decision makers recognize the importance of maintaining viable farms, forestry business and fishing operations; however, there are substantial development pressures which limit the natural resources available to these enterprises. Existing and new natural resource firms need to carefully evaluate their goals, resources and enterprise options when developing future plans if they are to maintain and /or start a viable business.

UNH Cooperative Extension can provide extensive expert advice across disciplines to help entrepreneurs and managers of agriculture and natural resource businesses evaluate enterprise options and take advantage of opportunities. In addition, Cooperative Extension is experienced in delivering nontraditional classroom programs, well connected to relevant industry and government agencies supporting natural resource firms and located statewide.

What has been done

In collaboration with industry representatives, UNH Cooperative Extension offered a 13-week, 40 hour course, Agriculture and Natural Resource Business Institute (ANRBI) in two locations. The

agenda included identifying business and personal goals; assessing human, financial and natural resources; evaluating equipment and facilities; production fundamentals for crops, livestock, and forestry enterprises; assessing enterprise feasibility; understanding marketing basics; preparing financial records and reports; and introduction to taxation and legal structures.

The program was delivered by Extension specialists and educators across all program areas and with assistance from NH Department of Agriculture (Markets and Food), USDA NRCS and FSA, Farm Credit, and private industry.

The Fall 2010 ANRBI was held from September through December 2010 in Hudson, NH. Alvirne High School provided the site. Twenty-three business participants and 2 vocational teachers enrolled. The Fall 2011 ANRBI began in September 2011. Keene State College hosted the event. At the start of the Institute, 18 business participants were enrolled.

Team members secured \$2,000 in support for the Fall 2010 from USDA FSA for participant scholarships. In addition, Farm Credit East provided \$500 in 2010 and Yankee Farm Credit provided \$500 in 2011 to help offset meeting expenses.

ANRBI binders and workbooks were prepared, updated and printed for each location. The binder includes speaker presentations and reference material. The workbook is a compilation of worksheets used by participants to help evaluate goals, resources and enterprise options.

Results

Twenty business owners and one vocational teacher completed the Fall 2010 Institute. Each of the businesses identified their business mission and goals, discussed business resources available and needed in the next few years, described their products and services, identified marketing strategies, completed a fundamental economic assessment of business plans, described their proposed business structure and identified critical next steps.

Of the 25 initial enrollees in the Fall 2010, 20 participants completed sessions and assignments, demonstrating their understanding of material so as to meet borrower training requirements for USDA FSA. In addition, 14 participants earned 4 Continuing Education Credits from UNH Professional Development and Training.

When asked "What was the most valuable lesson learned?" participants said the following:

- I learned that the more you plan, the easier it is to execute.
- So good to hear some other students success stories.
- Take your time, research carefully, look at the big picture, get it down on paper, then decide if tis a good business idea to pursue.
- The class exposed me to multiple avenues of help and aid in the fields of knowledge and finance. Another plus was getting to know fellow classmates and learning from their positive and negative experiences as well as the networking possibilities.
- Where to apply for funding.
- Developing a network (support, family, customer, financing, Cooperative Extension, colleagues, farmers) is critical to success.
- How hard it is for many to complete the myriad of tasks required for many agricultural businesses. Also, how many good ideas others have.
- The most valuable knowledge from the other presentations for me was hearing all the different business plans and taking a little information from each one.
- You don't realize how businesses can utilize each other and after hearing the presentations it opens new ideas and opportunities for your personal business. Also seeing others present gave

- me a little more confidence in presenting in front of a crowd.
- My strengths are in production and sales. I found the information on business plans and assessment of the farm enterprise most helpful.
 - I would say with most presentations it would be "small steps".
 - It's always a process in the making and things can change. I thought the presentations were great.
 - Overall: realizing that we need to slow down. Financial stuff; financing options, grants, local groups, production schedules and planning tips, learning additional ways our land could be productive (forage/forest crops, etc.)
 - Everything was valuable. Every lesson was packed with information. The handouts gave us all sorts of information.
 - That there are so many resources available in NH.

Eighteen business participants continue to participate in the Fall 2011 ANRBI.

4. Associated Knowledge Areas

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Economy
- Competing Programmatic Challenges

Brief Explanation

{No Data Entered}

V(I). Planned Program (Evaluation Studies)

Evaluation Results

{No Data Entered}

Key Items of Evaluation

{No Data Entered}

V(A). Planned Program (Summary)

Program # 7

1. Name of the Planned Program

Sea Grant and Water Resources

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	10%			
131	Alternative Uses of Land	20%			
133	Pollution Prevention and Mitigation	30%			
135	Aquatic and Terrestrial Wildlife	25%			
307	Animal Management Systems	5%			
903	Communication, Education, and Information Delivery	10%			
	Total	100%			

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2011	Extension		Research	
	1862	1890	1862	1890
Plan	7.0	0.0	0.0	0.0
Actual Paid Professional	5.5	0.0	0.0	0.0
Actual Volunteer	0.0	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
116463	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
116463	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
1044248	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

COMMERCIAL FISHERIES

- Hold educational workshops 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;
 - Safety drill conductor training.
 - Welding safe practices and techniques.
 - Weather interpretation and forecasting.
 - Marine engine repair.
- Publish information sheets, technical reviews, and web pages which detail innovative fishing gears and technologies that reduce by-catch, minimize benthic impacts and enhance gear selectivity.

LAND AND WATER CONSERVATION

- Provide focused training and long-term assistance to communities on natural resource planning and land conservation.
 - Provide direct assistance to towns and conservation groups upon request
 - Conduct land conservation and natural resources workshops and other educational activities as suggested by program staff and as requested by communities and conservation groups
 - Conduct the Natural Resources Outreach Coalition program for communities selected annually.
 - Develop, enhance and deliver presentations (including GIS-based) about land use/water quality to local decision makers
- Facilitate community meetings to develop action plans for implementing water and natural resource based planning

COASTAL ECOSYSTEM HEALTH AND COMMUNITIES

- Broadcast educational messages over low power radio (Great Bay Area Radio) to motorists about the estuary, research, educational opportunities and Sea Grant.
- Conduct at least 5 activity-based Great Bay Discovery Cruises.
- Provide information to communities and development professionals to encourage the use of more innovative stormwater management.
- Produce printed, presentation, web and other educational materials

MARINE SCIENCE EDUCATION

- Review and revise existing programs and curriculum materials to support teaching core science standards through a marine context
- Develop new marine education K-12 Sea Trek programs that reflect emerging national scientific issues and address prioritized education standards
- Expand our programs and materials that target adult audiences and recruit and train a cadre of Docents specifically for that role
- Develop programs focused on high school level teachers and students that provide exposure to marine research and encourage students to pursue marine fields in college and beyond

WATER QUALITY

- Hold water quality monitoring training sessions for new and existing volunteers - conduct field visits for in-depth monitoring and quality assurance
- Provide analytical services, data base management and data analysis for Great Bay Coastal Watch and NH Lakes Lay Monitoring Program collected samples
- Produce annual lake reports and coastal reports on water quality assessments from volunteer monitoring efforts

- Hold regular meetings of the monitors to provide program updates, advanced monitoring technique trainings and data interpretation/presentation skill building. Also conduct needs assessment and evaluation
- Provide data and data interpretation as requested by decision-makers, cooperators and watershed stakeholder groups

2. Brief description of the target audience

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

2011	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	1514	0	300	0

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

Patent Applications Submitted

Year: 2011

Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2011	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Number of activity-based Great Bay Discovery Cruises provided to citizens with the opportunity to learn about the estuary aboard the University's research vessel
Not reporting on this Output for this Annual Report

Output #2

Output Measure

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

Year	Actual
2011	3

Output #3

Output Measure

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

Year	Actual
2011	29

Output #4

Output Measure

- Number of new volunteers trained in proper water quality sampling methods and who participate in seasonal sampling as part of the Great Bay Coastal Watch or Lakes Lay Monitoring Program

Year	Actual
2011	23

Output #5

Output Measure

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

Year	Actual
2011	5317

Output #6

Output Measure

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

Year	Actual
-------------	---------------

2011

20

Output #7

Output Measure

- Number of convenient and effective teacher training programs held in conjunction with all boat-based and field programs utilizing both face-to-face and remote methods
Not reporting on this Output for this Annual Report

Output #8

Output Measure

- Number of NROC communities provided with water resource/water quality related technical assistance

Year	Actual
2011	19

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.

Year	Actual
2011	27

Output #10

Output Measure

- Number of published information sheets, technical reviews, and web pages which detail innovative fishing gears and technologies that reduce by-catch, minimize benthic impacts and enhance gear selectivity.

Year	Actual
2011	5

Output #11

Output Measure

- Number of Safety-at-Sea programs held.
Not reporting on this Output for this Annual Report

Output #12

Output Measure

- Number of homeowners provided with information about home and yard care practices that prevent or minimize contamination of water resources via runoff.

Year	Actual
2011	120

Output #13

Output Measure

- Number of communities and development professionals provided information to encourage the use of more innovative stormwater management.
Not reporting on this Output for this Annual Report

Output #14

Output Measure

- Number of fishermen trained in safe welding practices
Not reporting on this Output for this Annual Report

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Number of adults and children with a measurable increase in their marine science literacy through specialist and volunteer delivered outcome-based, formal and informal education programs
2	Number of fishermen who choose non-mandatory conservation-minded gear over traditional equipment
3	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
4	Number of fishermen who successfully complete cooperative research projects
5	Number of communities to develop action plans that include a variety of approaches for making progress in community-based natural resource protection projects.
6	Percent of new or existing volunteer monitoring programs that request assistance and then initiate enhanced or expanded program efforts due to assistance provided by the project
7	Number of fishermen who gain knowledge increase knowledge of new conservation fishing gear that reduces benthic habitat impact.
8	Number of fishermen who become certified as safety drill conductors.
9	Number of communities to implement or start to implement a natural resource protection project.
10	Number of community decision makers, conservation groups or development professionals who report gaining knowledge about preventing degradation from storm water runoff.
11	Number of community decision-makers and Coverts Cooperators who identify actions they will take to conserve the state's biodiversity.

Outcome #1

1. Outcome Measures

Number of adults and children with a measurable increase in their marine science literacy through specialist and volunteer delivered outcome-based, formal and informal education programs

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	7000

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

The UNH Marine Docent Program is the primary vehicle for delivering marine science education programs to the formal pre-K - 12 school audience, and adults in New Hampshire and New England.

The program addresses the needs and intended outcomes of the strategic plan for marine science education of the UNH Cooperative Extension Program and New Hampshire Sea Grant Program, as well as the ocean literacy goals of NOAA.

What has been done

The Docent programs that address the situation fall into the following categories:

- SeaTrek programs, the marine science education programs Docents bring to classrooms or adult gatherings addressing such topics as the rocky shore, sandy beach or global climate change.
- Boat-based programs offered on the R/V Gulf Challenger or party fishing boats involving hands-on activities on the water.
- Training opportunities that address Docent competency that includes intensive training for new Docents, the on-going WADE training for veteran Docents, and monthly meetings.

Results

Twenty-one new Marine Docents were trained in basic marine science, and formal and informal education practices. These new Docents joined existing program teams to provide educational programming to schools or volunteer at other informal marine education venues including the Seacoast Science Center, Sandy Point Discovery Center, the Great Bay Coast Watch, and the Gundalow Program.

Over 4,000 students learned more about marine education during 112 visits to 100 schools. Two hundred seventy-five students from four schools learned more about boat-based marine science activities through the Docent-led Floating Lab program. During this half-day program students learn about the Gulf of Maine marine environment by participating in hands-on activities in water quality measurement, plankton collection and observation, current measurement, benthic sampling, and navigation.

Approximately 100 adults and 50 children learned more about the Gulf of Maine, the Isles of Shoals, and the Shoals Marine Laboratory through five one-day Shoals Discovery Cruises to Appledore Island. Five "Day of the Coast" programs provided over 200 SeaTrek programs to more than 1,000 students and teachers.

New Hampshire citizens discovered more about marine science awareness at exhibits at "Discover Wild New Hampshire Day," the Tall Ships weekend in Portsmouth, the Rochester Fair, River Days in Portsmouth and Durham, and UNH "University Day", while over 5,000 New Hampshire citizens discovered more about the industry at the inaugural Fish and Lobster Festival in Portsmouth.

4. Associated Knowledge Areas

KA Code	Knowledge Area
112	Watershed Protection and Management
135	Aquatic and Terrestrial Wildlife

Outcome #2

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

Year	Actual
2011	17

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
135	Aquatic and Terrestrial Wildlife

Outcome #3

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

Year	Actual
2011	2

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
135	Aquatic and Terrestrial Wildlife

Outcome #4

1. Outcome Measures

Number of fishermen who successfully complete cooperative research projects

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	27

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
307	Animal Management Systems
903	Communication, Education, and Information Delivery

Outcome #5

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

Year	Actual
2011	19

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

New Hampshire is filled with verdant forests and sparkling waters. Forests and farmland are a part of the landscape of New Hampshire, making it a destination for tourists from all over the world. The open space that surrounds us defines the Granite State.

New Hampshire, however, is the fastest growing state in the Northeast. Development and a growing population are taking up open space and community character

What has been done

UNH Cooperative Extension's Land and Water Conservation Program helps New Hampshire communities and conservation groups with land and water conservation planning projects, including natural resources inventories, conservation planning, land protection, public outreach, and building public support.

In the last year, assistance was provided to 19 towns and one land trust, and Extension staff participated in 13 statewide events. Over 1,100 residents received direct assistance to communities, workshops and courses. Publication of the Taking Action for Wildlife e-newsletter three times a year reached more than 1,600 people with each issue.

Community decision makers and others increased their knowledge of land and water conservation issues, learned how to conduct conservation projects, and build their capacity to take action to protect natural resources.

Results

These actions help provide local data and information on which rational conservation decisions can be based.

Nineteen communities (Barrington, Northwood, Derry, Newmarket, Kingston, Dover, Grantham, Lancaster, Alexandria, Bristol, Hebron, Orange, Sharon, Fitzwilliam, Fremont, Bath, Carroll, Easton and Kensington), one conservation group (Monadnock Conservancy) and participants at 13 statewide events improved their background knowledge for future decision making about natural resources protection.

Two hundred sixty participants at the 10th Annual Saving Special Places Conference increased their knowledge of a variety of land conservation and stewardship issues. This annual event is co-sponsored and organized by UNH Extension, the Society for the Protection of NH Forests, and the Natural Resources Conservation Service.

Other impacts include:

- 51 participants at seven Taking Action for Wildlife workshops learned information about wildlife habitat conservation to incorporate into their conservation planning.
- Through the Natural Resources Outreach Coalition (NROC) community assistance, 128 participants learned adaptation strategies to prepare for a changing climate.
- Development of the NH Wetlands Mapper for use with the Method for Evaluation Freshwater Wetlands in New Hampshire.
- Ongoing development of the Taking Action for Wildlife web pages, a joint effort between UNH Extension and NH Fish & Game.

Through the Taking Action for Wildlife program, nine communities (Bath, Carroll, Easton, Sharon, Fitzwilliam, Alexandria, Hebron, Orange, Bristol) used information from NH's Wildlife Action Plan in their natural resources inventories and conservation plans.

Specific involvement of New Hampshire towns included the following:

- Fremont planned and conducted a "Bio-Blitz" on a town-owned property to raise public awareness of wildlife habitats.
- Easton contacted 50 landowners with information about conserving wildlife.
- Bath conducted a public information event about wildlife and their natural resources inventory and started work on their town forest management plan.
- Hebron is using its newly-completed Natural Resource Inventory to implement conservation planning.
- Carroll has written the wildlife section of its Natural Resources Inventory.

4. Associated Knowledge Areas

KA Code	Knowledge Area
112	Watershed Protection and Management
131	Alternative Uses of Land
133	Pollution Prevention and Mitigation

Outcome #6

1. Outcome Measures

Percent of new or existing volunteer monitoring programs that request assistance and then initiate enhanced or expanded program efforts due to assistance provided by the project

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	7

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
903	Communication, Education, and Information Delivery

Outcome #7

1. Outcome Measures

Number of fishermen who gain knowledge increase 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

Year	Actual
2011	195

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
135	Aquatic and Terrestrial Wildlife

Outcome #8

1. Outcome Measures

Number of fishermen who become certified as safety drill conductors.

Not Reporting on this Outcome Measure

Outcome #9

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

Year	Actual
2011	19

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
131	Alternative Uses of Land

Outcome #10

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

Year	Actual
2011	260

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

Outcome #11

1. Outcome Measures

Number of community decision-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 Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	13

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
135	Aquatic and Terrestrial Wildlife

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Natural Disasters (drought, weather extremes, etc.)
- Economy
- Appropriations changes
- Public Policy changes
- Government Regulations
- Populations changes (immigration, new cultural groupings, etc.)

Brief Explanation

{No Data Entered}

V(I). Planned Program (Evaluation Studies)

Evaluation Results

{No Data Entered}

Key Items of Evaluation

{No Data Entered}

V(A). Planned Program (Summary)

Program # 8

1. Name of the Planned Program

Food Safety

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources	10%			
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins	10%			
723	Hazards to Human Health and Safety	40%			
801	Individual and Family Resource Management	20%			
802	Human Development and Family Well-Being	20%			
	Total	100%			

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2011	Extension		Research	
	1862	1890	1862	1890
Plan	3.0	0.0	0.0	0.0
Actual Paid Professional	4.0	0.0	0.0	0.0
Actual Volunteer	0.0	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
83188	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
83188	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
745891	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

ServSafe®, SAFE (Safety Awareness in the Food Environment)

Food safety and preservation education for consumers.

Good Agricultural Practices (GAP) Training

2. Brief description of the target audience

Food handlers at restaurants, schools, health facilities, etc. and the general public.

3. How was eXtension used?

Resources from eXtension - particularly managing money in tough times have been incorporated into programming.

V(E). Planned Program (Outputs)

1. Standard output measures

2011	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	42365	0	5314	0

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

Patent Applications Submitted

Year: 2011

Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2011	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Number of participants in food safety and preservation education for consumers

Year	Actual
2011	30

Output #2

Output Measure

- Number of farms attending USDA Good Agricultural Practices workshops
Not reporting on this Output for this Annual Report

Output #3

Output Measure

- Number of people who participate in ServSafe workshops, SAFE (Safety Awareness in the Food Environment)

Year	Actual
2011	1246

Output #4

Output Measure

- Number of adults participating in food safety programming through Nutrition Connections - educational courses to income eligible New Hampshire residents

Year	Actual
2011	2362

Output #5

Output Measure

- Number of youth participating in food safety programming through Nutrition Connections -

educational courses to income eligible New Hampshire residents

Year	Actual
2011	5178

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Number of program participants who score 75% or greater on knowledge tests of high risk practices including: * Personal hygiene * Holding/time and temperature * Cooking temperatures * Prevention of contamination
2	Number of participants report keeping food at safe temperatures.
3	Number of farms receiving USDA Good Agricultural Practices certification as a result of Extension workshops.
4	Crosscutting narrative statement

Outcome #1

1. Outcome Measures

Number of program participants who score 75% or greater on knowledge tests of high risk practices including: * Personal hygiene * Holding/time and temperature * Cooking temperatures * Prevention of contamination

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	900

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See crosscutting narrative

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins
723	Hazards to Human Health and Safety

Outcome #2

1. Outcome Measures

Number of participants report keeping food at safe temperatures.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	934

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See crosscutting narrative

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins
723	Hazards to Human Health and Safety

Outcome #3

1. Outcome Measures

Number of farms receiving USDA Good Agricultural Practices certification as a result of Extension workshops.

Not Reporting on this Outcome Measure

Outcome #4

1. Outcome Measures

Crosscutting narrative statement

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

It's estimated that foodborne diseases cause an estimated 76 million illness, 325,000 hospitalizations, and 5,000 deaths each year in the U.S. Demographic and lifestyle changes increasingly shifted the responsibility for the safety of food from the consumer to other sectors of the food system.

The National Restaurant Association reports that consumers spend approximately 48 percent of their food dollar in restaurants. As a state dependent on the tourism industry, the food service industry in New Hampshire is an important sector of the economy. New Hampshire regulations do not require food managers or workers to have formal training in foods safety and/or sanitation.

What has been done

The Safety Awareness in the Food Environment program (SAFE) is a one-session program targeting food workers. The program focuses on personal hygiene, cross contamination, and time and temperature principles. SAFE is evaluated with a post-workshop knowledge questionnaire and a food safety practices questionnaire. The program is implemented in all New Hampshire counties.

Seven UNH Cooperative Extension Family and Consumer Resources Educators are certified ServSafe® instructors. ServSafe® is a national food safety and sanitation certification program. ServSafe® programs are offered to food managers/workers throughout the state.

Results

Fifty-six SAFE programs were conducted in 2010 reaching 1,246 food workers in New Hampshire. Nine hundred seventy-six post-workshop questionnaires were received. Over 900 scored 75 percent or greater on the food safety knowledge questionnaire. Seventy-five percent of 392 SAFE participants completing a post-workshop food safety practices questionnaire indicated they implemented seven food safety practices for six months or more.

Two hundred nineteen food managers/workers were administered the ServSafe® examination and/or participated in ServSafe® programs. One hundred eighty-eight participants passed the examination with a score of 75 percent or greater.

4. Associated Knowledge Areas

KA Code	Knowledge Area
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins
723	Hazards to Human Health and Safety
801	Individual and Family Resource Management
802	Human Development and Family Well-Being

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Public Policy changes
- Competing Programmatic Challenges

Brief Explanation

V(I). Planned Program (Evaluation Studies)

Evaluation Results

Fifty-six SAFE programs were conducted in 2010 reaching 1,246 food workers in New Hampshire. Nine hundred seventy-six post-workshop questionnaires were received. Over 900 scored 75 percent or greater on the food safety knowledge questionnaire. Seventy-five percent of 392 SAFE participants completing a post-workshop food safety practices questionnaire indicated they implemented seven food safety practices for six months or more.

Two hundred nineteen food managers/workers were administered the ServSafe® examination and/or participated in ServSafe® programs. One hundred eighty-eight participants passed the examination with a score of 75 percent or greater.

Key Items of Evaluation

V(A). Planned Program (Summary)

Program # 9

1. Name of the Planned Program

Childhood Obesity

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
703	Nutrition Education and Behavior	50%			
704	Nutrition and Hunger in the Population	50%			
	Total	100%			

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2011	Extension		Research	
	1862	1890	1862	1890
Plan	10.0	0.0	0.0	0.0
Actual Paid Professional	10.0	0.0	0.0	0.0
Actual Volunteer	0.0	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
216289	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
216289	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
1939318	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

Nutrition Connections - educational courses to income eligible NH residents - through the Expanded Food and Nutrition Education Program (EFNEP) and Supplemental Nutrition Education Program (SNAP-ed)

4-H Youth Development programs - Healthy Living/Healthy Choices

2. Brief description of the target audience

Youth, ages 0-18

Limited-resource adults

3. How was eXtension used?

eXtension was not used in this program

V(E). Planned Program (Outputs)

1. Standard output measures

2011	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	2361	0	12000	0

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

Patent Applications Submitted

Year: 2011

Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2011	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Number of low-income adults participating in Nutrition Connections - educational courses to income eligible New Hampshire residents

Year

Actual

2011 2361

Output #2

Output Measure

- Number of youth participating in nutrition programming through Nutrition Connections

Year	Actual
2011	5178

Output #3

Output Measure

- Number of youth participating in 4-H Healthy Living programs

Year	Actual
2011	11798

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Number of participants who report an increase in their physical activity
2	Number of youth who learn how to choose foods according to the Pyramid and Dietary Guidelines
3	Number of participants who report eating nearer to the recommended number of cup equivalents from the Fruits and Vegetable Group
4	Crosscutting narrative - youth
5	Crosscutting narrative - adults

Outcome #1

1. Outcome Measures

Number of participants who report an increase in their physical activity

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	4746

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See cross cutting narrative

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
703	Nutrition Education and Behavior

Outcome #2

1. Outcome Measures

Number of youth who learn how to choose foods according to the Pyramid and Dietary Guidelines

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	4298

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See cross cutting narrative

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
703	Nutrition Education and Behavior
704	Nutrition and Hunger in the Population

Outcome #3

1. Outcome Measures

Number of participants who report eating nearer to the recommended number of cup equivalents from the Fruits and Vegetable Group

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	1322

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See Cross cutting narrative

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
703	Nutrition Education and Behavior

Outcome #4

1. Outcome Measures

Crosscutting narrative - youth

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Physical activity and nutrition play vital roles in overall health. Research has found that diet is associated with the leading causes of death; many are preventable; heart disease, diabetes, obesity and several types of cancer. Following the recommendations of the 2010 Dietary Guidelines can lower the risk of disease. Given rising rates of obesity in NH, UNH Cooperative Extension remains committed to education focused on encouraging physical activity and healthy lifestyle choices.

What has been done

UNH Cooperative Extension Nutrition Connections, Family Consumer Resources and 4 H Youth Development staff implement nutrition and physical activity education in group settings for youth. Youth are reached in group settings and activities target physical activity, nutrition, community involvement and obesity awareness and prevention. The Nutrition Connections Program mandate is to work with limited income youth.

Results

5,178 youth participated in one or more education lessons. Of the youth completing a series of lessons and end of program surveys; 83% now eat a variety of foods; 83% increased their knowledge of the essentials of human nutrition; 83% increased their ability to select low-cost, nutritious foods and 86% improved practices in food preparation and safety.

4. Associated Knowledge Areas

KA Code	Knowledge Area
703	Nutrition Education and Behavior
704	Nutrition and Hunger in the Population

Outcome #5

1. Outcome Measures

Crosscutting narrative - adults

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2011	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Physical activity and nutrition play vital roles in overall health. Research has found that diet is associated with the leading causes of death; many are preventable; heart disease, diabetes, obesity and several types of cancer. Following the recommendations of the 2010 Dietary Guidelines can lower the risk of disease. Recent survey data indicates the mean intake of whole grains is .8 servings per day for adults age 51 years and older considerably below the recommended 3 servings each day.

What has been done

Nutrition Connections and Family Consumer Resources staff implement nutrition and physical activity education for adults, in groups, at home, and by home study courses. The Nutrition Connections Program mandate is to work with limited income families. A one-session program, *Is It Whole Grain?*, was developed based on the results of two research studies examining whole grain consumption in older adults.

Results

2361 adults/families participated in one or more education lessons. Completed surveys showed: 54% improved fruit intake, increased 0.3 cups; 58% improved vegetable intake, increased 0.3 cups; 96% eat closer to the recommendations of the Dietary Guidelines and MyPyramid; 87% improved at least one nutrition practice: choosing healthy foods, not using salt, and reading food labels; 19% increased physical activity; 77% improved at least one or more food resource management practice: planning meals, comparing prices; using grocery list; and not running out of food. Of 121 older adults completing evaluations; 95% correctly identified the definition of whole grain; 79% correctly identified that at least 3 servings of whole grain food are recommended for older adults each day; and 99% indicated they planned to use the information provided in the program, including: increase consumption of whole grains each day and reading the package label.

4. Associated Knowledge Areas

KA Code	Knowledge Area
703	Nutrition Education and Behavior
704	Nutrition and Hunger in the Population

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Economy
- Populations changes (immigration, new cultural groupings, etc.)

Brief Explanation

V(I). Planned Program (Evaluation Studies)

Evaluation Results

2361 adults/families participated in one or more education lessons. Completed surveys showed: 54% improved fruit intake, increased 0.3 cups; 58% improved vegetable intake, increased 0.3 cups; 96% eat closer to the recommendations of the Dietary Guidelines and MyPyramid; 87% improved at least one nutrition practice: choosing healthy foods, not using salt, and reading food labels; 19% increased physical activity; 77% improved at least one or more food resource management practice: planning meals, comparing prices; using grocery list; and not running out of food. Of 121 older adults completing evaluations; 95% correctly identified the definition of whole grain; 79% correctly identified that at least 3 servings of whole grain food are recommended for older adults each day; and 99% indicated they planned to use the information provided in the program, including: increase consumption of whole grains each day and reading the package label.

Key Items of Evaluation

