

# 2008 University of Maine Extension Annual Report of Accomplishments and Results

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## I. Report Overview

### 1. Executive Summary

During 2008 the University of Maine Cooperative Extension engaged in educational programming and discovery that reflects the needs of Maine citizens and has resulted in improved quality of life for thousands of individuals. Our work is linked to 18 issue areas, which were identified through a statewide needs assessment process, and are continuously informed by ongoing citizen and stakeholder input. As an example, during 2008 the citizens of Maine were faced with an energy crisis precipitated by a dramatic increase in the cost of heating fuel. The University of Maine Cooperative Extension responded by initiating crosscutting educational programs in consumer energy conservation. We developed and delivered new educational programs, created a nationally recognized online consumer energy resource site; created and distributed a timely "how to" weatherization brochure and DVD, promoted weatherization techniques through public service broadcasts, publications and brochures; and partnered with our State Government to distribute weatherization kits (called *Keep ME Warm* kits) to service organizations statewide for installation in the homes of low-income Mainers.

During 2008 we experienced the loss of a number of faculty, professional, and administrative positions through retirement, reassignment, and resignation. In each case the available salary lines were assigned to either meet a prioritized programming or administrative need, or eliminated to meet budget reduction goals.

Faced with a future that includes inevitable funding reductions we are currently engaging Extension employees and key external stakeholders in a formal process to develop recommendations that will serve as a blueprint for the future of UMaine Extension. In these times of change our effort represents an opportunity to rethink and reinvent the way we do business and serve the public. The initiative will focus on how to more effectively and flexibly carry out our mission with an emphasis on program innovation, staffing, operations, and funding.

This year, in collaboration with our New England Planning and Reporting Consortium partners, we developed our first multi-state plan of work, resulting in a single Plan that encompasses the regional programming intentions of faculty in four states; Maine, Massachusetts, New Hampshire, and Vermont. This pilot effort defines Science, Engineering, and Technology programming within our 4-H Youth Development Programs for 2009 – 2013 and ties to the National 4-H Program mission mandates.

We at the University of Maine Cooperative Extension commit to serving Maine with a deep appreciation of our roots and a profound belief that we can create an even better future together. In the process, we use our limited resources wisely and continue to partner with people, agencies, and other educational entities to achieve long-term outcomes in these five areas:

- Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
- Increase the economic and social viability and sustainability of Maine communities.
- Enhance the safety, sustainability, and dependability of Maine's food supply;
- Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
- Protect and enhance Maine's natural resources and environment through sustainable stewardship.

#### Total Actual Amount of professional FTEs/SYs for this State

Year:2008	Extension		Research	
	1862	1890	1862	1890
<b>Plan</b>	96.5	0.0	6.4	0.0
<b>Actual</b>	72.9	0.0	9.1	0.0

## II. Merit Review Process

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

- External University Panel
- Other (Individual experts pertinent to Maine issue areas )

### 2. Brief Explanation

The University of Maine Cooperative Extension is a member of the New England Planning and Reporting Consortium, a formalized partnership of Extension programs in Massachusetts, New Hampshire, and Vermont. The four states share a planning and reporting system that allows respective staff to develop logic model-based Plans of Work, and report outcomes on an individual, group, or multi-state basis. As part of our multi-state collaboration we have also developed a rotating multi-state Merit Review process to allow each state partner to receive a through peer-review of their state Plans of Work each four years. This rotational process is accomplished by faculty committees who review planned programs that relate to their own programming expertise. During 2008 planned programs for Vermont Extension were reviewed by from Maine, Massachusetts, and New Hampshire. Planned programs were reviewed, data collected, reviewer-groups summarized scores and comments, and a report was prepared for each planned program. Results were shared with Vermont Extension staff members and incorporated into their 2009 planning process. Most of the interaction was accomplished online, and through our common planning and reporting system. During 2009, UMaine Extension will be reviewed by the other regional partners.

#### ExternalUniversityPanel & Expert Peer Review – CSREES Review

We did not undergo a CSREES review during 2008.

#### Individual Experts Pertinent to Maine Issue Areas

The process of engaging external experts to contribute to a comprehensive review of programming within Maine Issue Areas was begun in late 2008, and results are pending. The process primarily involves important collaborators who are also important stakeholders, and includes the opportunity to incorporate input. Consequently it is described in more detail in the Stakeholder Input section

## III. Stakeholder Input

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

- Use of media to announce public meetings and listening sessions
- Targeted invitation to traditional stakeholder groups
- Targeted invitation to traditional stakeholder individuals
- Targeted invitation to non-traditional stakeholder individuals
- Targeted invitation to selected individuals from general public
- Survey of traditional stakeholder groups
- Survey of traditional stakeholder individuals
- Other (Research using relevant current and first-source data)

### Brief Explanation

The foundations of our current Plan of Work cycle are based on a statewide needs assessment conducted in 2005 and 2006, which included multiple elements that encouraged direct stakeholder participation. That process has been followed up by formal and informal assessment done at the individual, Team, and administrative levels.

Stakeholders are identified through a deep understanding of current and emerging issues, and each issue's relevance to the citizens of Maine; and through ongoing interactions with advisory committees and traditional stakeholder groups who serve as the eyes and ears for UMaine Extension within communities and specific areas of interest.

Needs assessment data, which includes stakeholder input, is used to inform UMaine Extension individuals, Teams, and administration about emerging issues that will help them prioritize and focus research and Extensions programs appropriately and effectively.

### 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
- Use Surveys
- Other (Identify and analyze issues)

**Brief Explanation**

{NO DATA ENTERED}

**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
- Meeting with the general public (open meeting advertised to all)
- Meeting specifically with non-traditional groups
- Other (Meetings with State government and agency leadership)

**Brief Explanation****3. A statement of how the input was considered**

- To Identify Emerging Issues
- Redirect Extension Programs
- Redirect Research Programs
- To Set Priorities

**Brief Explanation**

As an example of our response to an emerging issue; during 2008 the citizens of Maine were faced with an energy crisis precipitated by a dramatic increase in the cost of heating fuel. The University of Maine Cooperative Extension worked with the Maine state government and other agency leaders to address the issue using our statewide Extension network as a conduit for information, education and assistance to low-income citizens.

We developed and delivered new educational programs, created a nationally recognized online consumer energy resource site; created and distributed a timely "how to" weatherization brochure and DVD, promoted weatherization techniques through public service broadcasts, publications and brochures; and partnered with our State Government to distribute weatherization kits (called *Keep ME Warm* kits) to service organizations statewide for installation in the homes of low-income Mainers.

**Brief Explanation of what you learned from your Stakeholders**

Agricultural and agroforestry stakeholders continued to express a need for research projects to address specific issues. These issues were most often associated with finding ways to increase yield or reduce costs. The Maine Agricultural Center is our partnership with the UMaine College of Natural Sciences, Forestry, and Agriculture; and the Maine Agricultural and Forest Experiment Station. Together we support stakeholder driven agricultural research and education for Maine.

Examples of recent projects include:

- Effects of Varying Light Levels on Heuchera and Coleus Variegation
- Alternative Susceptibility Trends for Microbial Isolates from Organic Dairy
- Investigation of Semicheical Inhibitors for Lily Leaf Beetle: Exploration for Future Resistance in Commercial Lily (*Lilium*) Cultivars
- Improving Carola Potato Size Distribution Through Seed Spacing and Appropriate Nitrogen Fertilizer Rate
- The Influence Rainfall on the Occurrence of Soft Scald in Honeycrisp Apples
- Ozone Treatment to Extend Refrigerated Shelf Life of Fresh-Cut Maine Potatoes
- Determining Breeding Soundness and Incidence of Venereal Diseases in Maine Bulls
- Cold Temperature Tolerance of Apple Rootstocks

Maine is at the end of America's energy pipeline. Even still, more Mainers heat their homes with fuel oil than any other type of fuel. This year's energy crisis precipitated a huge demand for pellet stoves and compressed pellet fuel, considered to be less expensive than fuel oil. In a high profile research project we are proving that it is possible to produce compressed pellet fuel in Maine using locally grown grasses that rivals the efficiency of compressed pellets from other regions. The results have the potential to reduce energy costs to Maine citizens, create a new and valuable crop for Maine farmers, and establish a new industry in manufacturing pellets.

**IV. Expenditure Summary**

<b>1. Total Actual Formula dollars Allocated (prepopulated from C-REEMS)</b>			
<b>Extension</b>		<b>Research</b>	
<b>Smith-Lever 3b &amp; 3c</b>	<b>1890 Extension</b>	<b>Hatch</b>	<b>Evans-Allen</b>
2033577	0	0	0

<b>2. Totaled Actual dollars from Planned Programs Inputs</b>				
	<b>Extension</b>		<b>Research</b>	
	<b>Smith-Lever 3b &amp; 3c</b>	<b>1890 Extension</b>	<b>Hatch</b>	<b>Evans-Allen</b>
<b>Actual Formula</b>	2033579	0	0	0
<b>Actual Matching</b>	7463401	0	0	0
<b>Actual All Other</b>	5204302	0	0	0
<b>Total Actual Expended</b>	14701282	0	0	0

<b>3. Amount of Above Actual Formula Dollars Expended which comes from Carryover funds from previous years</b>				
<b>Carryover</b>	0	0	0	0

## V. Planned Program Table of Content

S. NO.	PROGRAM NAME
1	Agriculture - Crop Production
2	Agriculture - Sustainable Business Management
3	Coastal and Marine
4	Community Development: Capacity-building Skills
5	Entrepreneurship - Small and Home Based Business
6	Environmental Education - Sustainable Living
7	Family Relations and Transitions
8	Food Safety
9	Forestry and Wildlife
10	Health Literacy, Disease, and Our Health Care System
11	Healthy Lifestyles
12	Home Horticulture
13	Maine Livestock Industry
14	Pest Management
15	Sustainable Communities
16	Watershed Management
17	Youth Development
18	Aging Lifestyles
19	Administrative Plan of Work; Planning and Supervision

**Program #1**

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

**1. Name of the Planned Program**

Agriculture - Crop Production

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

**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
101	Appraisal of Soil Resources	5%		5%	
102	Soil, Plant, Water, Nutrient Relationships	5%		5%	
111	Conservation and Efficient Use of Water	15%		15%	
112	Watershed Protection and Management	10%		10%	
131	Alternative Uses of Land	5%		5%	
202	Plant Genetic Resources	5%		5%	
205	Plant Management Systems	10%		10%	
405	Drainage and Irrigation Systems and Facilities	5%		5%	
502	New and Improved Food Products	15%		15%	
604	Marketing and Distribution Practices	25%		25%	
<b>Total</b>		<b>100%</b>		<b>100%</b>	

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

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

Year: 2008	Extension		Research	
	1862	1890	1862	1890
<b>Plan</b>	11.1	0.0	0.8	0.0
<b>Actual</b>	8.9	0.0	5.4	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
426518	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
1463869	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
551850	0	0	0

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

**1. Brief description of the Activity**

•Agricultural print/electronic resources developed •Agriculture - Crop Production Public Presentation •Agriculture - Crop Production Related Publications (conference proceedings) •Agriculture - Crop Production Related Publications (refereed journal article) •Commercial Agriculture Conference •Commercial Agriculture Workshop Series •Consultations on Crop Production •Crop Production Related (conference proceedings) •Crop Production Related (publication) •Crop Production Related (refereed journal article) •Crop Production Related (refereed journal article) •Crops Related (publication) •Crops Related (refereed journal article) •Cut Flower Research •Cut Flower Research •Field Day Presentations (Potato) •Field Research, PowerPoint Presentation, Seminars •Maine Agriculture Trades Show •Maine Potato Conference •Maine Senior Farmshare •Maine Vegetable and Fruit School •Meetings on Crop Production Practices •New England Regional In-Service Training for Agricultural Service Providers •New England Small Fruit Pest Management Guide •New England Vegetable and Fruit Conference •Organic Forage and Grain Cropping Systems •Pest Management Conference •Pest Management Hotline •Piscataquis Farming Newsletter •Potato Cropping Systems - Applied Research •Potato Program Web site •Producers will balance nutrients on cropland based on plant needs •Small Fruit and Vegetable Variety and Production Trials •Solar Collection for Hoop Houses and Green Houses •Spudlines Newsletter •Tree Fruit Meetings •Tree Fruit Newsletter •Tree Fruit Workshops and Demonstrations •Vegetable Variety and Production Trials

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

•4-H Community or Project Clubs Participants (Youth) •Agency Staff or Professionals (Adult) •Agricultural Producers (Adult) •Agricultural Workers (Adult) •Business Owners - current (Adult) •Commercial Apple Growers (Adult) •Commercial Dairy Producers (Adult) •Commercial Potato Growers (Adult) •Commercial Vegetable Growers (Adult) •Extension - all staff (Adult) •Extension Faculty (Adult) •Extension Professionals (Adult) •Farmers (Adult) •General Public (Adult) •Green Industry Members (Adult) •Greenhouse Operators (Adult) •Home Gardeners (Adult) •Natural Resource Professional (Adult) •Scientists (Adult)

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

**1. Standard output measures**

**Target for the number of persons (contacts) reached through direct and indirect contact methods**

	<b>Direct Contacts Adults</b>	<b>Indirect Contacts Adults</b>	<b>Direct Contacts Youth</b>	<b>Indirect Contacts Youth</b>
<b>Year</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>
<b>Plan</b>	13150	13100	0	0
2008	7442	22876	0	71

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

**Patent Applications Submitted**

<b>Year</b>	<b>Target</b>
<b>Plan:</b>	0
2008 :	0

**Patents listed**

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

**Number of Peer Reviewed Publications**

	<b>Extension</b>	<b>Research</b>	<b>Total</b>
<b>Plan</b>	0	0	
2008	0	0	0

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

**Output Target**

**Output #1**

**Output Measure**

- Direct - Seminar

*Not reporting on this Output for this Annual Report*

**Output #2**

**Output Measure**

- Direct - Public Presentation

*Not reporting on this Output for this Annual Report*

**Output #3**

**Output Measure**

- Direct - Group Presentation

*Not reporting on this Output for this Annual Report*

**Output #4**

**Output Measure**

- Direct - Experiential Learning

*Not reporting on this Output for this Annual Report*

**Output #5**

**Output Measure**

- Direct - Display or exhibit

*Not reporting on this Output for this Annual Report*

**Output #6**

**Output Measure**

- Indirect - Publication - referred journal article

*Not reporting on this Output for this Annual Report*

**Output #7**

**Output Measure**

- Indirect - Website

*Not reporting on this Output for this Annual Report*

**Output #8**

**Output Measure**

- Direct - Demonstration Project

*Not reporting on this Output for this Annual Report*

**Output #9**

**Output Measure**

- Direct - Consultation; phone, written, in-person

*Not reporting on this Output for this Annual Report*

**Output #10**

**Output Measure**

- Indirect - Publication - fact sheet

*Not reporting on this Output for this Annual Report*

**Output #11**

**Output Measure**

- Indirect - Publication - manual

Year	Target	Actual
2008	4	6

**Output #12**

**Output Measure**

- Indirect - Publication - newsletter

*Not reporting on this Output for this Annual Report*

**Output #13**

**Output Measure**

- Direct - Conference or symposium

*Not reporting on this Output for this Annual Report*



**Output #14****Output Measure**

- Direct - Collaborative or Cooperative Effort

Year	Target	Actual
2008	47	182

**Output #15****Output Measure**

- Direct - Applied Research

*Not reporting on this Output for this Annual Report*

**Output #16****Output Measure**

- Direct - Train-the-Trainer

*Not reporting on this Output for this Annual Report*

**Output #17****Output Measure**

- Direct - Workshop - series

*Not reporting on this Output for this Annual Report*

**Output #18****Output Measure**

- Direct - Workshop - single session

*Not reporting on this Output for this Annual Report*

**Output #19****Output Measure**

- Indirect - AV resource

*Not reporting on this Output for this Annual Report*

**Output #20****Output Measure**

- Indirect - Applied Research

Year	Target	Actual
2008	6	38

**Output #21****Output Measure**

- Direct - Conference/Symposium

Year	Target	Actual
2008	{No Data Entered}	11

**Output #22****Output Measure**

- Direct - Consultation

Year	Target	Actual
2008	{No Data Entered}	890

**Output #23****Output Measure**

- Direct - Educational Programs or Projects

Year	Target	Actual
2008	{No Data Entered}	373

**Output #24****Output Measure**

- Direct - Scholarship

Year	Target	Actual
2008	{No Data Entered}	18

**Output #25****Output Measure**

- Direct - Train the Trainer or Volunteer Training

Year	Target	Actual
2008	{No Data Entered}	1

**Output #26**

**Output Measure**

- Indirect - Media and Internet

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	{No Data Entered}	2318

**Output #27**

**Output Measure**

- Indirect - Professional, Peer-reviewed, or Refereed, Scholarship

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	{No Data Entered}	42

**Output #28**

**Output Measure**

- Indirect - Publication in the Popular Media

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	{No Data Entered}	10

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

<b>O No.</b>	<b>OUTCOME NAME</b>
1	Access relevant UMCE publications
2	Access relevant UMCE web-based resources
3	Demonstrate how to amend soils
4	Demonstrate how to apply pesticides safely and effectively
5	Demonstrate how to develop integrated farming systems
6	Demonstrate how to diagnose pest problems
7	Demonstrate how to effectively manage grasslands
8	Demonstrate how to evaluate the potential of new and non-traditional crops and varieties for profitable production in Maine
9	Demonstrate how to feed animals with production and economy in mind
10	Demonstrate how to grow fruits and vegetables
11	Demonstrate how to operate farm equipment safely
12	Demonstrate how to test new crops
13	Demonstrate how to test new nutrient management strategies
14	Demonstrate how to test new production techniques
15	Demonstrate how to test new storage techniques
16	Demonstrate how to test new varieties
17	Demonstrate new variety performance and potential
18	Demonstrate sound agricultural practices
19	Describe IPM techniques
20	Describe IPM technologies and benefits
21	Describe advantages of alternative crop management strategies
22	Describe advantages of new technologies to improve crop yield and quality and to reduce environmental impacts and off-farm inputs
23	Describe alternative crop management strategies
24	Describe alternative pest manage techniques
25	Describe forages and forage quality
26	Describe hoop house crop management
27	Describe hoop house crops
28	Describe hoop house technology
29	Describe integrated farming systems
30	Describe new crops and varieties
31	Describe nutrient sources, recycling and delivery methods that are compatible with crop, soil and production systems
32	Describe practices that improve efficiency, reduce inputs, or increase profitability
33	Describe production practices associate with new crops for the region
34	Describe sound agricultural practices
35	Describe the advantages of new technologies to improve crop yield and quality and to reduce environmental impacts
36	Describe the benefits of efficiency in irrigation water use
37	Describe the benefits of grass-fed livestock
38	Describe the inherent instability of monocultures
39	Describe the value of organic nutrient sources to sustainable cropping systems

- |    |  |
|----|--|
| 40 | Adopt IPM strategies   |
| 41 | Adopt and maintain integrated pest management strategies   |
| 42 | Adopt appropriate handling and storage technologies  |
| 43 | Adopt appropriate management strategies  |
| 44 | Adopt appropriate pest management practices  |
| 45 | Adopt appropriate practices  |
| 46 | Adopt appropriate technologies   |
| 47 | Adopt environmentally sound technologies that improve economic viability   |
| 48 | Adopt new crop   |
| 49 | Adopt practices that maintain long-term productivity   |
| 50 | Adopt practices that maintain profitability  |
| 51 | Develop environmentally sound technologies that improve economic viability   |
| 52 | Evaluate and adopt nutrient sources, recycling and delivery systems that produce high quality crops  |
| 53 | Evaluate new cropping systems  |
| 54 | Evaluate the potential of new and non-traditional crops and varieties for profitable production in Maine   |
| 55 | Grow new crop  |
| 56 | Grow new variety   |
| 57 | Improve IPM  |
| 58 | Improve crop quality and marketability   |
| 59 | Improve production and quality of crops  |
| 60 | Improve soil health  |
| 61 | Maintain Certified Crop Advisor Certification  |
| 62 | Maintain nutrient management certification   |
| 63 | Maintain pesticide applicator certification  |
| 64 | Make appropriate cultivar choices  |
| 65 | Make better decisions regarding pest management  |
| 66 | Participate in the Maine grass farmer network  |
| 67 | Test new crops   |
| 68 | Test new production techniques   |
| 69 | Test new varieties   |
| 70 | Use relevant UMCE web-based resources  |
| 71 | Grow trialed plants  |
| 72 | Increase crop production   |
| 73 | Reduce the use of high-risk pesticides   |
| 74 | Test new storage techniques  |
| 75 | Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.  |
| 76 | Enhance the safety, sustainability and dependability of Maine's food supply.   |
| 77 | Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.                               |
| 78 | Protect and enhance Maine's natural resources and environment through sustainable.   |
| 79 | Adopt appropriate nutrient management strategies   |
| 80 | Compost  |
| 81 | Create jobs  |
| 82 | Adopt business management practices  |
| 83 | Develop profitable crop rotations  |
| 84 | Develop environmentally sound technologies that improve economic viability Adopt appropriate management strategies Adopt practices that maintain profitability |



**Outcome #1**

**1. Outcome Measures**

Access relevant UMCE publications

*Not reporting on this Outcome for this Annual Report*

**Outcome #2**

**1. Outcome Measures**

Access relevant UMCE web-based resources

*Not reporting on this Outcome for this Annual Report*

**Outcome #3**

**1. Outcome Measures**

Demonstrate how to amend soils

*Not reporting on this Outcome for this Annual Report*

**Outcome #4**

**1. Outcome Measures**

Demonstrate how to apply pesticides safely and effectively

*Not reporting on this Outcome for this Annual Report*

**Outcome #5**

**1. Outcome Measures**

Demonstrate how to develop integrated farming systems

*Not reporting on this Outcome for this Annual Report*

**Outcome #6**

**1. Outcome Measures**

Demonstrate how to diagnose pest problems

*Not reporting on this Outcome for this Annual Report*

**Outcome #7**

**1. Outcome Measures**

Demonstrate how to effectively manage grasslands

*Not reporting on this Outcome for this Annual Report*

**Outcome #8**

**1. Outcome Measures**

Demonstrate how to evaluate the potential of new and non-traditional crops and varieties for profitable production in Maine

*Not reporting on this Outcome for this Annual Report*

**Outcome #9**

**1. Outcome Measures**

Demonstrate how to feed animals with production and economy in mind

*Not reporting on this Outcome for this Annual Report*

**Outcome #10**

**1. Outcome Measures**

Demonstrate how to grow fruits and vegetables

*Not reporting on this Outcome for this Annual Report*

**Outcome #11**

**1. Outcome Measures**

Demonstrate how to operate farm equipment safely

*Not reporting on this Outcome for this Annual Report*

**Outcome #12**

**1. Outcome Measures**

Demonstrate how to test new crops

*Not reporting on this Outcome for this Annual Report*

**Outcome #13**

**1. Outcome Measures**

Demonstrate how to test new nutrient management strategies

*Not reporting on this Outcome for this Annual Report*

**Outcome #14**

**1. Outcome Measures**

Demonstrate how to test new production techniques

*Not reporting on this Outcome for this Annual Report*

**Outcome #15**

**1. Outcome Measures**

Demonstrate how to test new storage techniques

*Not reporting on this Outcome for this Annual Report*

**Outcome #16**

**1. Outcome Measures**

Demonstrate how to test new varieties

*Not reporting on this Outcome for this Annual Report*

**Outcome #17**

**1. Outcome Measures**

Demonstrate new variety performance and potential

*Not reporting on this Outcome for this Annual Report*

**Outcome #18**

**1. Outcome Measures**

Demonstrate sound agricultural practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #19**

**1. Outcome Measures**

Describe IPM techniques

*Not reporting on this Outcome for this Annual Report*

**Outcome #20**

**1. Outcome Measures**

Describe IPM technologies and benefits

*Not reporting on this Outcome for this Annual Report*

**Outcome #21**

**1. Outcome Measures**

Describe advantages of alternative crop management strategies

*Not reporting on this Outcome for this Annual Report*

**Outcome #22**

**1. Outcome Measures**

Describe advantages of new technologies to improve crop yield and quality and to reduce environmental impacts and off-farm inputs

*Not reporting on this Outcome for this Annual Report*

**Outcome #23**

**1. Outcome Measures**

Describe alternative crop management strategies

*Not reporting on this Outcome for this Annual Report*

**Outcome #24**

**1. Outcome Measures**

Describe alternative pest manage techniques

*Not reporting on this Outcome for this Annual Report*

**Outcome #25**

**1. Outcome Measures**

Describe forages and forage quality

*Not reporting on this Outcome for this Annual Report*

**Outcome #26**

**1. Outcome Measures**

Describe hoop house crop management

*Not reporting on this Outcome for this Annual Report*

**Outcome #27**

**1. Outcome Measures**

Describe hoop house crops

*Not reporting on this Outcome for this Annual Report*

**Outcome #28**



**1. Outcome Measures**

Describe hoop house technology

*Not reporting on this Outcome for this Annual Report*

**Outcome #29**

**1. Outcome Measures**

Describe integrated farming systems

*Not reporting on this Outcome for this Annual Report*

**Outcome #30**

**1. Outcome Measures**

Describe new crops and varieties

*Not reporting on this Outcome for this Annual Report*

**Outcome #31**

**1. Outcome Measures**

Describe nutrient sources, recycling and delivery methods that are compatible with crop, soil and production systems

*Not reporting on this Outcome for this Annual Report*

**Outcome #32**

**1. Outcome Measures**

Describe practices that improve efficiency, reduce inputs, or increase profitability

*Not reporting on this Outcome for this Annual Report*

**Outcome #33**

**1. Outcome Measures**

Describe production practices associate with new crops for the region

*Not reporting on this Outcome for this Annual Report*

**Outcome #34**

**1. Outcome Measures**

Describe sound agricultural practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #35**

**1. Outcome Measures**

Describe the advantages of new technologies to improve crop yield and quality and to reduce environmental impacts

*Not reporting on this Outcome for this Annual Report*

**Outcome #36**

**1. Outcome Measures**

Describe the benefits of efficiency in irrigation water use

*Not reporting on this Outcome for this Annual Report*

**Outcome #37**

**1. Outcome Measures**

Describe the benefits of grass-fed livestock

*Not reporting on this Outcome for this Annual Report*

**Outcome #38**

**1. Outcome Measures**

Describe the inherent instability of monocultures

*Not reporting on this Outcome for this Annual Report*

**Outcome #39**

**1. Outcome Measures**

Describe the value of organic nutrient sources to sustainable cropping systems

*Not reporting on this Outcome for this Annual Report*

**Outcome #40**

**1. Outcome Measures**

Adopt IPM strategies

*Not reporting on this Outcome for this Annual Report*

**Outcome #41**

**1. Outcome Measures**

Adopt and maintain integrated pest management strategies

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	60	2285

**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

**Outcome #42**

**1. Outcome Measures**

Adopt appropriate handling and storage technologies

*Not reporting on this Outcome for this Annual Report*

**Outcome #43**

**1. Outcome Measures**

Adopt appropriate management strategies

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	780	488

**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

**Outcome #44**

**1. Outcome Measures**

Adopt appropriate pest management practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #45**

**1. Outcome Measures**

Adopt appropriate practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #46**

**1. Outcome Measures**

Adopt appropriate technologies

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	470	728

**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
131	Alternative Uses of Land
111	Conservation and Efficient Use of Water
101	Appraisal of Soil Resources
112	Watershed Protection and Management
202	Plant Genetic Resources
405	Drainage and Irrigation Systems and Facilities
102	Soil, Plant, Water, Nutrient Relationships

**Outcome #47**

**1. Outcome Measures**

Adopt environmentally sound technologies that improve economic viability

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	45	46

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

**Issue (Who cares and Why)**

True Heating Cost for Greenhouse Operators: Greenhouse operators are looking for additional operational efficiencies in light of wildly fluctuating energy costs.

**What has been done**

Working with individual producers, we helped design growing facilities and evaluate existing greenhouses for energy savings. Growers have benefited through the calculation of true heating costs that could be related directly to the products they produce as a cost per item.

**Results**

We helped design structures for producers that are either energy neutral or energy efficient and helped growers meet goals for lengthening the growing season, minimizing energy costs, and maximizing profits. Our growers now understand the cost per square foot of hoop house or greenhouse operation during each season and how that relates to the per unit cost of their crops. After learning that fuel cost-per-unit for bedding plant operation could be as much as \$1.05 each for long-season annuals, one grower is partitioning off part of her greenhouses early in the season, and rescheduling to eliminate early cold weather production. The estimated fuel cost savings from both rescheduling and partitioning in 2009 is about \$.30 per pack depending on fuel cost per gallon, or about \$2,000 that will go directly to the bottom line.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
205	Plant Management Systems
131	Alternative Uses of Land
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management

**Outcome #48**

**1. Outcome Measures**

Adopt new crop

*Not reporting on this Outcome for this Annual Report*

**Outcome #49**

**1. Outcome Measures**

Adopt practices that maintain long-term productivity

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	985	294

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
205	Plant Management Systems

**Outcome #50**

**1. Outcome Measures**

Adopt practices that maintain profitability

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	935	307

**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

**Outcome #51**

**1. Outcome Measures**

Develop environmentally sound technologies that improve economic viability

*Not reporting on this Outcome for this Annual Report*

**Outcome #52**

**1. Outcome Measures**

Evaluate and adopt nutrient sources, recycling and delivery systems that produce high quality crops

*Not reporting on this Outcome for this Annual Report*

**Outcome #53**

**1. Outcome Measures**

Evaluate new cropping systems

*Not reporting on this Outcome for this Annual Report*

**Outcome #54**

**1. Outcome Measures**

Evaluate the potential of new and non-traditional crops and varieties for profitable production in Maine

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	63	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
205	Plant Management Systems

**Outcome #55**

**1. Outcome Measures**

Grow new crop

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	45	170

**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

**Outcome #56**

**1. Outcome Measures**

Grow new variety

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	114	291

**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

**Outcome #57**

**1. Outcome Measures**

Improve IPM

*Not reporting on this Outcome for this Annual Report*

**Outcome #58**

**1. Outcome Measures**

Improve crop quality and marketability

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	40	780

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

**Issue (Who cares and Why)**

**What has been done**

**Results**



**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
205	Plant Management Systems

**Outcome #59**

**1. Outcome Measures**

Improve production and quality of crops

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	105	352

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
205	Plant Management Systems

**Outcome #60**

**1. Outcome Measures**

Improve soil health

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	30	341

**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
101	Appraisal of Soil Resources

**Outcome #61**

**1. Outcome Measures**

Maintain Certified Crop Advisor Certification

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	70	311

**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

**Outcome #62**

**1. Outcome Measures**

Maintain nutrient management certification

*Not reporting on this Outcome for this Annual Report*

**Outcome #63**

**1. Outcome Measures**

Maintain pesticide applicator certification

*Not reporting on this Outcome for this Annual Report*

**Outcome #64**

**1. Outcome Measures**

Make appropriate cultivar choices

*Not reporting on this Outcome for this Annual Report*

**Outcome #65**

**1. Outcome Measures**

Make better decisions regarding pest management

*Not reporting on this Outcome for this Annual Report*

**Outcome #66**

**1. Outcome Measures**

Participate in the Maine grass farmer network

*Not reporting on this Outcome for this Annual Report*

**Outcome #67**

**1. Outcome Measures**

Test new crops

*Not reporting on this Outcome for this Annual Report*

**Outcome #68**

**1. Outcome Measures**

Test new production techniques

*Not reporting on this Outcome for this Annual Report*

**Outcome #69**

**1. Outcome Measures**

Test new varieties

*Not reporting on this Outcome for this Annual Report*

**Outcome #70**

**1. Outcome Measures**

Use relevant UMCE web-based resources

*Not reporting on this Outcome for this Annual Report*

**Outcome #71**

**1. Outcome Measures**

Grow trialed plants

*Not reporting on this Outcome for this Annual Report*

**Outcome #72**

**1. Outcome Measures**

Increase crop production

*Not reporting on this Outcome for this Annual Report*

**Outcome #73**

**1. Outcome Measures**

Reduce the use of high-risk pesticides

*Not reporting on this Outcome for this Annual Report*

**Outcome #74**

**1. Outcome Measures**

Test new storage techniques

*Not reporting on this Outcome for this Annual Report*

**Outcome #75**

**1. Outcome Measures**

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.

*Not reporting on this Outcome for this Annual Report*

**Outcome #76**

**1. Outcome Measures**

Enhance the safety, sustainability and dependability of Maine's food supply.

*Not reporting on this Outcome for this Annual Report*

**Outcome #77**

**1. Outcome Measures**

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

*Not reporting on this Outcome for this Annual Report*

**Outcome #78**

**1. Outcome Measures**

Protect and enhance Maine's natural resources and environment through sustainable.

*Not reporting on this Outcome for this Annual Report*

**Outcome #79**

**1. Outcome Measures**

Adopt appropriate nutrient management strategies

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	15

**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
102	Soil, Plant, Water, Nutrient Relationships
112	Watershed Protection and Management
405	Drainage and Irrigation Systems and Facilities

**Outcome #80**

**1. Outcome Measures**

Compost

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	125

**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
102	Soil, Plant, Water, Nutrient Relationships
205	Plant Management Systems

**Outcome #81**

**1. Outcome Measures**

Create jobs

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	35

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
604	Marketing and Distribution Practices
205	Plant Management Systems
112	Watershed Protection and Management
131	Alternative Uses of Land

**Outcome #82**

**1. Outcome Measures**

Adopt business management practices

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	503

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
604	Marketing and Distribution Practices
205	Plant Management Systems

**Outcome #83**

**1. Outcome Measures**

Develop profitable crop rotations

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	288

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
604	Marketing and Distribution Practices
205	Plant Management Systems

**Outcome #84**

**1. Outcome Measures**

Develop environmentally sound technologies that improve economic viability  
 Adopt appropriate management strategies Adopt practices that maintain profitability

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	0

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

**Issue (Who cares and Why)**

Protecting Maine’s Economy and Environment from Terrestrial Invasive Plants: In 2007, the Maine State Legislature directed the Maine Department of Agriculture, Food, and Rural Resources to convene a group of experts to develop a process and criteria to assess the danger posed to naturally occurring ecosystems by terrestrial invasive plants, and to determine which species are of most immediate concern.

**What has been done**

Formed in 2007 with UMaine Extension as a member, the Maine State Invasives Resolve Steering Committee created a report that laid the groundwork for science-based action to identify and regulate the importation and sale of invasive plants. The Committee created guidelines that define what is meant by “invasive” so that future regulators can identify invasive plants before they arrive in Maine, greatly reducing the potential for future invasion and costly mitigation.

**Results**

In February 2008, the Committee delivered a final report to the Maine State Legislature with science-based recommendations that encompass a wide perspective of interests. The recommendations are broad-based and include the elements from which to create legislation that will protect Maine's environment and economy from the damage caused by terrestrial invasive plants, and save millions of taxpayer dollars that would otherwise be spent on mitigation.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
205	Plant Management Systems
101	Appraisal of Soil Resources

**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
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

**Brief Explanation**

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**1. Evaluation Studies Planned**

- Before-After (before and after program)
- During (during program)

**Evaluation Results**

**Key Items of Evaluation**



**Program #2**

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

**1. Name of the Planned Program**

Agriculture - Sustainable Business Management

**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	60%		60%	
602	Business Management, Finance, and Taxation	40%		40%	
<b>Total</b>		100%		100%	

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

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

Year: 2008	Extension		Research	
	1862	1890	1862	1890
<b>Plan</b>	4.4	0.0	0.6	0.0
<b>Actual</b>	1.5	0.0	0.2	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
50825	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
136007	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
96568	0	0	0

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

**1. Brief description of the Activity**

•Agriculture Business Related (publication) •Agriculture Business Related (refereed journal article) •Consultations - Agriculture Business Management •Cost of Production Dairy Farms and Forage Crops •Crop Insurance Education - AV Resource •Crop Insurance Education - Conference •Crop Insurance Education - Display (Direct) •Crop Insurance Education - Public Presentation •Crop Insurance Education - Publication •Crop Insurance Education - Radio Program •Crop Insurance Education - Television Segment •Crop Insurance Education - Train the Trainer •Crop Insurance Education - Website •Crop Insurance Education Display (Indirect) •Developing And Implementing An Estate Plan To Preserve Wealth •Farms for the Future •Meetings on Agriculture Business Management •Piscataquis Farming Newsletter

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

•4-H Leader or Project Skills Training Program Participants (Youth) •Agency Staff or Professionals (Adult)  
 •Agricultural Producers (Adult) •Beef Producers (Adult) •Forestland Owner - Non-Industrial (Adult)

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

**1. Standard output measures**

**Target for the number of persons (contacts) reached through direct and indirect contact methods**

	<b>Direct Contacts Adults</b>	<b>Indirect Contacts Adults</b>	<b>Direct Contacts Youth</b>	<b>Indirect Contacts Youth</b>
<b>Year</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>
<b>Plan</b>	2118	90905	0	0
2008	2226	104236	0	3077

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

**Patent Applications Submitted**

<b>Year</b>	<b>Target</b>
<b>Plan:</b>	0
2008 :	0

**Patents listed**

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

**Number of Peer Reviewed Publications**

	<b>Extension</b>	<b>Research</b>	<b>Total</b>
<b>Plan</b>	0	0	
2008	0	0	0

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

**Output Target**

**Output #1**

**Output Measure**

- Direct - Conference or symposium; Planning and/or participation  
*Not reporting on this Output for this Annual Report*

**Output #2**

**Output Measure**

- Direct - Consultation; phone, written, in-person  
*Not reporting on this Output for this Annual Report*

**Output #3**

**Output Measure**

- Direct - Display or exhibit  
*Not reporting on this Output for this Annual Report*

**Output #4**

**Output Measure**

- Direct - Group Presentation  
*Not reporting on this Output for this Annual Report*

**Output #5**

**Output Measure**

- Direct - Public Presentation  
*Not reporting on this Output for this Annual Report*

**Output #6**

**Output Measure**

- Direct - Train-the-Trainer  
*Not reporting on this Output for this Annual Report*

**Output #7**

**Output Measure**

- Direct - Workshop - single session  
*Not reporting on this Output for this Annual Report*

**Output #8**

**Output Measure**

- Indirect - AV resource  
*Not reporting on this Output for this Annual Report*

**Output #9**

**Output Measure**

- Indirect - Applied Research
- | Year | Target | Actual |
|------|--------|--------|
| 2008 | 1      | 3      |

**Output #10**

**Output Measure**

- Indirect - Display or Exhibit
- | Year | Target | Actual |
|------|--------|--------|
| 2008 | 8      | 0      |

**Output #11**

**Output Measure**

- Indirect - Publication  
*Not reporting on this Output for this Annual Report*

**Output #12**

**Output Measure**

- Indirect - Publication - newsletter  
*Not reporting on this Output for this Annual Report*

**Output #13**

**Output Measure**

- Indirect - Radio Program

*Not reporting on this Output for this Annual Report*

**Output #14****Output Measure**

- Indirect - Television Segment

*Not reporting on this Output for this Annual Report*

**Output #15****Output Measure**

- Indirect - Website

*Not reporting on this Output for this Annual Report*

**Output #16****Output Measure**

- Direct - Collaborative or Cooperative Effort

Year	Target	Actual
2008	{No Data Entered}	11

**Output #17****Output Measure**

- Direct - Conference/Symposium

Year	Target	Actual
2008	{No Data Entered}	1

**Output #18****Output Measure**

- Direct - Consultation

Year	Target	Actual
2008	{No Data Entered}	12

**Output #19****Output Measure**

- Direct - Educational Programs or Projects

Year	Target	Actual
2008	{No Data Entered}	834

**Output #20****Output Measure**

- Direct - Train the Trainer or Volunteer Training

Year	Target	Actual
2008	{No Data Entered}	4

**Output #21****Output Measure**

- Indirect - Media and Internet

Year	Target	Actual
2008	{No Data Entered}	3096

**Output #22****Output Measure**

- Indirect - Professional, Peer-reviewed, or Refereed, Scholarship

Year	Target	Actual
2008	{No Data Entered}	44

**Output #23****Output Measure**

- Indirect - Publication in the Popular Media

Year	Target	Actual
2008	{No Data Entered}	3

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

O No.	OUTCOME NAME
1	Demonstrate advanced business management skills
2	Demonstrate basic business management skills
3	Demonstrate how to analyze records for decision making
4	Demonstrate production recordkeeping
5	Describe record keeping and record keeping systems
6	Describe the components of an estate plan
7	Adopt appropriate management strategies
8	Develop a business plan
9	Develop a financial plan
10	Develop an estate plan for business enterprise
11	Enroll in and work with Farms for the Future
12	Keep accurate records
13	Make better decisions using accurate records
14	Manage business to achieve profit
15	Secure financing
16	Use relevant UMCE web-based resources
17	Demonstrate sound agricultural practices
18	Adopt practices that maintain profitability
19	Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
20	Enhance the safety, sustainability and dependability of Maine's food supply.
21	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
22	Protect and enhance Maine's natural resources and environment through sustainable.
23	Adopt practices that maintain long-term productivity
24	Create jobs
25	Adopt appropriate management strategies Develop a business plan Develop a financial plan Develop an estate plan for business enterprise Keep accurate records Make better decisions using accurate records

**Outcome #1**

**1. Outcome Measures**

Demonstrate advanced business management skills  
*Not reporting on this Outcome for this Annual Report*

**Outcome #2**

**1. Outcome Measures**

Demonstrate basic business management skills  
*Not reporting on this Outcome for this Annual Report*

**Outcome #3**

**1. Outcome Measures**

Demonstrate how to analyze records for decision making  
*Not reporting on this Outcome for this Annual Report*

**Outcome #4**

**1. Outcome Measures**

Demonstrate production recordkeeping  
*Not reporting on this Outcome for this Annual Report*

**Outcome #5**

**1. Outcome Measures**

Describe record keeping and record keeping systems  
*Not reporting on this Outcome for this Annual Report*

**Outcome #6**

**1. Outcome Measures**

Describe the components of an estate plan  
*Not reporting on this Outcome for this Annual Report*

**Outcome #7**

**1. Outcome Measures**

Adopt appropriate management strategies

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	35	488

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

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

**Outcome #8**

**1. Outcome Measures**

Develop a business plan

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	15	57

**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

**Outcome #9**

**1. Outcome Measures**

Develop a financial plan

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	55	344

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

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

**Outcome #10**

**1. Outcome Measures**

Develop an estate plan for business enterprise

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	15	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
602	Business Management, Finance, and Taxation
601	Economics of Agricultural Production and Farm Management

**Outcome #11**



**1. Outcome Measures**

Enroll in and work with Farms for the Future

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	15	20

**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

**Outcome #12**

**1. Outcome Measures**

Keep accurate records

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	65	112

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
---------	----------------

602	Business Management, Finance, and Taxation
601	Economics of Agricultural Production and Farm Management

**Outcome #13**

**1. Outcome Measures**

Make better decisions using accurate records

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	55	78

**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

**Outcome #14**

**1. Outcome Measures**

Manage business to achieve profit

*Not reporting on this Outcome for this Annual Report*

**Outcome #15**

**1. Outcome Measures**

Secure financing

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	35	35

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

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

**Outcome #16**

**1. Outcome Measures**

Use relevant UMCE web-based resources  
*Not reporting on this Outcome for this Annual Report*

**Outcome #17**

**1. Outcome Measures**

Demonstrate sound agricultural practices  
*Not reporting on this Outcome for this Annual Report*

**Outcome #18**

**1. Outcome Measures**

Adopt practices that maintain profitability  
*Not reporting on this Outcome for this Annual Report*

**Outcome #19**

**1. Outcome Measures**

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.  
*Not reporting on this Outcome for this Annual Report*

**Outcome #20**

**1. Outcome Measures**

Enhance the safety, sustainability and dependability of Maine's food supply.  
*Not reporting on this Outcome for this Annual Report*

**Outcome #21**

**1. Outcome Measures**

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.  
*Not reporting on this Outcome for this Annual Report*

**Outcome #22**

**1. Outcome Measures**

Protect and enhance Maine's natural resources and environment through sustainable.

*Not reporting on this Outcome for this Annual Report*

### **Outcome #23**

#### **1. Outcome Measures**

Adopt practices that maintain long-term productivity

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

•1862 Extension

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

Change in Action Outcome Measure

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

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2008	{No Data Entered}	294

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

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

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

### **Outcome #24**

#### **1. Outcome Measures**

Create jobs

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

•1862 Extension

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

Change in Action Outcome Measure

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

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2008	{No Data Entered}	35

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
602	Business Management, Finance, and Taxation

**Outcome #25****1. Outcome Measures**

Adopt appropriate management strategies Develop a business plan Develop a financial plan Develop an estate plan for business enterprise Keep accurate records Make better decisions using accurate records

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	0

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

Farm Estate Planning: Transferring a farm business to the next generation or to another owner is a complex process and a big step in people's lives. The process involves multiple dimensions that include tax implications for how best to effect the transfer, retirement planning as a long-term part of the transfer, and the treatment of family members who are involved in the farm operation on a day to day basis.

**What has been done**

UMaine Extension offers estate planning workshops designed to increase people's awareness of the complex elements of estate planning and transfer of farming operations and assets to a succeeding generation. During the past two years, 300 people have learned about the components of developing an estate plan.

**Results**

Results: In a recent survey, 57 participants responded to questions about the value of what they learned and how it has helped them plan for their future. Approximately 86 percent of respondents reported they were more knowledgeable about the essential elements of estate planning, including a will, a trust, gifting, a durable power of attorney, and a medical directive; and eighty-two percent have a better understanding of how an estate is taxed and with whom the tax liability lies. Further:

- Sixty-four (64) percent indicated that they have completed retirement planning;
- Forty-seven(47) percent have developed a rudimentary estate plan for review by professionals;
- Seventy-two (72) percent have implemented a retirement savings plan;
- Sixty-two (62) percent have discussed asset transfer with family;
- Seventy-two (72) percent have completed and filed a will;
- Fifty-six (56) percent have completed and filed a medical directive, and;
- Forty-two (42) percent have completed a durable power of attorney.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
602	Business Management, Finance, and Taxation

**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
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration,new cultural groupings,etc.)

**Brief Explanation**

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**1. Evaluation Studies Planned**

- Retrospective (post program)
- Before-After (before and after program)
- During (during program)
- Time series (multiple points before and after program)

**Evaluation Results**

**Key Items of Evaluation**

**Program #3**

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

**1. Name of the Planned Program**

Coastal and Marine

**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	25%		25%	
134	Outdoor Recreation	15%		15%	
135	Aquatic and Terrestrial Wildlife	13%		13%	
307	Animal Management Systems	12%		12%	
608	Community Resource Planning and Development	35%		35%	
<b>Total</b>		<b>100%</b>		<b>100%</b>	

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

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

Year: 2008	Extension		Research	
	1862	1890	1862	1890
<b>Plan</b>	3.6	0.0	0.4	0.0
<b>Actual</b>	3.1	0.0	0.5	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
0	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
521928	0	0	0

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

**1. Brief description of the Activity**

•An Acoustic Deterrent To Predation By Eider Ducks On A Longline Mussel Farm •Applied Research in Fisheries and Aquaculture •Beach Profile Monitoring Program •Coastal Access Forums •Coastal and Marine Public Presentation •Community Development Related (publication) •Foresight Planning for the Maine Aquaculture Industry •General Activities in support of Coastal & Marine Work •Maine Healthy Beaches Consultation •Maine Healthy Beaches Education and Outreach •Maine Healthy Beaches Field Training •Maine Healthy Beaches Presentations/forum •Maine Healthy Beaches Website •Marine Education in Classrooms •Marine Related (publication) •Marine Related (refereed journal article) •Northeast Aquaculture Conference and Expo •Porphyra Culture Demonstration Project

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

•4-H Volunteers (Adult) •Agency Staff or Professionals (Adult) •Coastal Land Owners (Adult) •Commercial Fishing Industry Members (Adult) •Commercial Aquaculturalists (Adult) •Commercial Fishing Industry Organization Members (Adult) •Community Leaders (Adult) •Community Members (Adult) •Farmers (Adult) •General Public (Adult) •General Public (Youth) •Municipal Officials (Adult) •Natural Resource Professional (Adult) •Scientists (Adult) •Student (Adult) •Students (Youth) •Teachers (Adult) •Volunteers (Adult) •Volunteers (Youth) •Youth (Youth)

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

**1. Standard output measures**

**Target for the number of persons (contacts) reached through direct and indirect contact methods**

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
Plan	1070	50250	100	0
2008	2339	16542	324	31

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

**Patent Applications Submitted**

Year	Target
Plan:	0
2008 :	0

**Patents listed**

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

**Number of Peer Reviewed Publications**

	Extension	Research	Total
Plan	0	0	
2008	0	0	0

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

**Output Target**



**Output #1**

**Output Measure**

- Direct - Applied Research  
*Not reporting on this Output for this Annual Report*

**Output #2**

**Output Measure**

- Direct - Collaborative or Cooperative Effort

Year	Target	Actual
2008	5	0

**Output #3**

**Output Measure**

- Direct - Conference or symposium  
*Not reporting on this Output for this Annual Report*

**Output #4**

**Output Measure**

- Direct - Consultation; phone, written, in-person  
*Not reporting on this Output for this Annual Report*

**Output #5**

**Output Measure**

- Direct - Experiential Learning  
*Not reporting on this Output for this Annual Report*

**Output #6**

**Output Measure**

- Direct - Public Presentation  
*Not reporting on this Output for this Annual Report*

**Output #7**

**Output Measure**

- Direct - Volunteer Training  
*Not reporting on this Output for this Annual Report*

**Output #8**

**Output Measure**

- Direct - Workshop - single session  
*Not reporting on this Output for this Annual Report*

**Output #9**

**Output Measure**

- Indirect - Applied Research
- | Year | Target | Actual |
|------|--------|--------|
| 2008 | 2      | 12     |

**Output #10**

**Output Measure**

- Indirect - Publication - fact sheet  
*Not reporting on this Output for this Annual Report*

**Output #11**

**Output Measure**

- Indirect - Website  
*Not reporting on this Output for this Annual Report*

**Output #12**

**Output Measure**

- Direct - Conference/Symposium
- | Year | Target            | Actual |
|------|-------------------|--------|
| 2008 | {No Data Entered} | 0      |

**Output #13****Output Measure**

- Direct - Consultation

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	{No Data Entered}	307

**Output #14****Output Measure**

- Direct - Educational Programs or Projects

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	{No Data Entered}	29

**Output #15****Output Measure**

- Direct - Scholarship

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	{No Data Entered}	10

**Output #16****Output Measure**

- Direct - Train the Trainer or Volunteer Training  
*Not reporting on this Output for this Annual Report*

**Output #17****Output Measure**

- Indirect - Media and Internet

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	{No Data Entered}	101

**Output #18****Output Measure**

- Indirect - Professional, Peer-reviewed, or Refereed, Scholarship

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	{No Data Entered}	6

**Output #19****Output Measure**

- Indirect - Publication in the Popular Media

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	{No Data Entered}	126

**Output #20****Output Measure**

- Multiple-undefined delivery method

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	{No Data Entered}	16

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

O No.	OUTCOME NAME
1	Describe fisheries management practices that are environmentally and socially sound and lead to long-term economic viability
2	Describe how to balance ecological, social and economic needs
3	Describe resources available from, and services provided by, natural resource professionals
4	Describe the effects of individual and cumulative decisions and actions on local and global ecosystems
5	Describe the process involved in affecting change in public policy
6	Describe water and land interaction, and related water-quality issues
7	Adopt appropriate practices
8	Adopt practices that maintain long-term productivity
9	Conduct community service or outreach
10	Create and sustain effective partnerships and collaborations
11	Identify and remediate pollution sources
12	Increase levels of community participation and decision making
13	Make better decision regarding natural resource management
14	Make better decisions using science and technology skills
15	Manage community resources
16	Promote community responsibility and action
17	Promote municipal responsibility and action
18	Promote personal responsibility and action
19	Use relevant UMCE web-based resources
20	Demonstrate how to assess and manage marine resources
21	Demonstrate how to collect and analyze data
22	Demonstrate how to identify invasive species
23	Demonstrate how to keep good records
24	Demonstrate how to locate Extension web-based resources
25	Demonstrate how to locate scientific information
26	Demonstrate how to use science process skills
27	Describe integrated farming system strategies.
28	Develop environmentally sound technologies and practices
29	Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
30	Enhance the safety, sustainability and dependability of Maine's food supply.
31	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
32	Protect and enhance Maine's natural resources and environment through sustainable.
33	Adopt appropriate management strategies
34	Collect information and communicate results
35	Adopt practices that maintain long-term productivity Demonstrate how to assess and manage marine resources
	Adopt appropriate management strategies

**Outcome #1**

**1. Outcome Measures**

Describe fisheries management practices that are environmentally and socially sound and lead to long-term economic viability  
*Not reporting on this Outcome for this Annual Report*

**Outcome #2**

**1. Outcome Measures**

Describe how to balance ecological, social and economic needs  
*Not reporting on this Outcome for this Annual Report*

**Outcome #3**

**1. Outcome Measures**

Describe resources available from, and services provided by, natural resource professionals  
*Not reporting on this Outcome for this Annual Report*

**Outcome #4**

**1. Outcome Measures**

Describe the effects of individual and cumulative decisions and actions on local and global ecosystems  
*Not reporting on this Outcome for this Annual Report*

**Outcome #5**

**1. Outcome Measures**

Describe the process involved in affecting change in public policy  
*Not reporting on this Outcome for this Annual Report*

**Outcome #6**

**1. Outcome Measures**

Describe water and land interaction, and related water-quality issues  
*Not reporting on this Outcome for this Annual Report*

**Outcome #7**

**1. Outcome Measures**

Adopt appropriate practices

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	150	478

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
134	Outdoor Recreation
112	Watershed Protection and Management
135	Aquatic and Terrestrial Wildlife
307	Animal Management Systems
608	Community Resource Planning and Development

**Outcome #8**

**1. Outcome Measures**

Adopt practices that maintain long-term productivity

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	60	294

**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
135	Aquatic and Terrestrial Wildlife

**Outcome #9**

**1. Outcome Measures**

Conduct community service or outreach

*Not reporting on this Outcome for this Annual Report*

**Outcome #10**

**1. Outcome Measures**

Create and sustain effective partnerships and collaborations

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	20	341

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
608	Community Resource Planning and Development

**Outcome #11**

**1. Outcome Measures**

Identify and remediate pollution sources

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	20	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
112	Watershed Protection and Management

**Outcome #12**

**1. Outcome Measures**

Increase levels of community participation and decision making

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	40	20

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
608	Community Resource Planning and Development

**Outcome #13**

**1. Outcome Measures**

Make better decision regarding natural resource management

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	15	25

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
134	Outdoor Recreation

135	Aquatic and Terrestrial Wildlife
307	Animal Management Systems
112	Watershed Protection and Management

**Outcome #14**

**1. Outcome Measures**

Make better decisions using science and technology skills  
*Not reporting on this Outcome for this Annual Report*

**Outcome #15**

**1. Outcome Measures**

Manage community resources  
*Not reporting on this Outcome for this Annual Report*

**Outcome #16**

**1. Outcome Measures**

Promote community responsibility and action  
*Not reporting on this Outcome for this Annual Report*

**Outcome #17**

**1. Outcome Measures**

Promote municipal responsibility and action

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	25	34

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
608	Community Resource Planning and Development

**Outcome #18**

**1. Outcome Measures**

Promote personal responsibility and action



**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	70	93

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
608	Community Resource Planning and Development

**Outcome #19**

**1. Outcome Measures**

Use relevant UMCE web-based resources  
*Not reporting on this Outcome for this Annual Report*

**Outcome #20**

**1. Outcome Measures**

Demonstrate how to assess and manage marine resources  
*Not reporting on this Outcome for this Annual Report*

**Outcome #21**

**1. Outcome Measures**

Demonstrate how to collect and analyze data  
*Not reporting on this Outcome for this Annual Report*

**Outcome #22**

**1. Outcome Measures**

Demonstrate how to identify invasive species  
*Not reporting on this Outcome for this Annual Report*

**Outcome #23**

**1. Outcome Measures**

Demonstrate how to keep good records  
*Not reporting on this Outcome for this Annual Report*

**Outcome #24**

**1. Outcome Measures**

Demonstrate how to locate Extension web-based resources

*Not reporting on this Outcome for this Annual Report*

**Outcome #25**

**1. Outcome Measures**

Demonstrate how to locate scientific information

*Not reporting on this Outcome for this Annual Report*

**Outcome #26**

**1. Outcome Measures**

Demonstrate how to use science process skills

*Not reporting on this Outcome for this Annual Report*

**Outcome #27**

**1. Outcome Measures**

Describe integrated farming system strategies.

*Not reporting on this Outcome for this Annual Report*

**Outcome #28**

**1. Outcome Measures**

Develop environmentally sound technologies and practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #29**

**1. Outcome Measures**

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.

*Not reporting on this Outcome for this Annual Report*

**Outcome #30**

**1. Outcome Measures**

Enhance the safety, sustainability and dependability of Maine's food supply.

*Not reporting on this Outcome for this Annual Report*

**Outcome #31**

**1. Outcome Measures**

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

*Not reporting on this Outcome for this Annual Report*

**Outcome #32**

**1. Outcome Measures**

Protect and enhance Maine's natural resources and environment through sustainable.

*Not reporting on this Outcome for this Annual Report*

**Outcome #33****1. Outcome Measures**

Adopt appropriate management strategies

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	488

**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
307	Animal Management Systems
608	Community Resource Planning and Development

**Outcome #34****1. Outcome Measures**

Collect information and communicate results

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	78

**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
307	Animal Management Systems

**Outcome #35****1. Outcome Measures**

Adopt practices that maintain long-term productivity Demonstrate how to assess and manage marine resources Adopt appropriate management strategies

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	0

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

Scallop Enhancement; Restoring an Important Fishery: Sea scallops, once a \$15 million fishery, are in jeopardy of collapsing due to over-harvesting. The symptoms of decline warrant dramatic change to attain sustainability.

**What has been done**

Few attempts have been made to test the efficacy of placing scallop seed on the sea bottom, and none of these attempts have occurred in eastern Maine where the fishery is relatively more important to the local economy than anywhere else along the East Coast. Supported by funding from the Northeast Consortium, UMaine Extension, Maine Sea Grant, and the Down East Institute for Applied Marine Research are assisting scallopers with assessing the effects of temporarily closing selected scallop beds while enhancing scallop populations through seed transplanting.

**Results**

This project highlights specific factors that influence growth and survival of this commercially important species and provides information to industry personnel and resource managers so they can develop additional scallop beds along the Maine coast where scallop stocks have been depleted. The team of researchers found that the transplanted scallops had an excellent survival rate and large quantities of these animals can be successfully moved from wild beds to enhancement areas. With the success of these techniques, additional phases of the project are planned that will design and implement strategies to restore this multi-million dollar fishery in Maine.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
307	Animal Management Systems
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
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration,new cultural groupings,etc.)

**Brief Explanation**

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**1. Evaluation Studies Planned**

- Retrospective (post program)
- Before-After (before and after program)
- Time series (multiple points before and after program)

**Evaluation Results**

**Key Items of Evaluation**

**Program #4**

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

**1. Name of the Planned Program**

Community Development: Capacity-building Skills

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

**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
608	Community Resource Planning and Development	10%			
802	Human Development and Family Well-Being	35%			
803	Sociological and Technological Change Affecting Individuals, Families and Communities	45%			
805	Community Institutions, Health, and Social Services	5%			
901	Program and Project Design, and Statistics	5%			
	<b>Total</b>	100%			

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

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

Year: 2008	Extension		Research	
	1862	1890	1862	1890
<b>Plan</b>	2.2	0.0	0.3	0.0
<b>Actual</b>	2.1	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
121885	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
388412	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	0	0	0

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

**1. Brief description of the Activity**

•Community Capacity Building and Leadership - Consultations •Community Capacity Building and Leadership.  
 •Community Coaching •Community Development Related (refereed journal article) •Community Wellness Coalition  
 •Group Effectiveness •Organizational Development with Community Groups and Organizations •Strengthening Facilitation Skills Workshop

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

•Agency Staff or Professionals (Adult) •Coalition Members (Adult) •Community Leaders (Adult)  
 •Community Members (Adult) •Community Organization Members or Staff (Adult) •County Executive  
 Committee Members (Adult) •Extension - all staff (Adult) •Extension Faculty (Adult) •Extension Professionals (Adult)

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

**1. Standard output measures**

**Target for the number of persons (contacts) reached through direct and indirect contact methods**

	<b>Direct Contacts Adults</b>	<b>Indirect Contacts Adults</b>	<b>Direct Contacts Youth</b>	<b>Indirect Contacts Youth</b>
<b>Year</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>
<b>Plan</b>	10778	504	0	100
2008	1507	0	0	0

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

**Patent Applications Submitted**

<b>Year</b>	<b>Target</b>
<b>Plan:</b>	0
2008 :	0

**Patents listed**

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

**Number of Peer Reviewed Publications**

	<b>Extension</b>	<b>Research</b>	<b>Total</b>
<b>Plan</b>	0	0	
2008	0	0	0

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

**Output Target**

**Output #1**

**Output Measure**

- Direct - Applied Research  
*Not reporting on this Output for this Annual Report*

**Output #2**

**Output Measure**

- Direct - Collaborative or Cooperative Effort
- | Year | Target | Actual |
|------|--------|--------|
| 2008 | 20     | 7      |

**Output #3**

**Output Measure**

- Direct - Experiential Learning  
*Not reporting on this Output for this Annual Report*

**Output #4**

**Output Measure**

- Direct - Train-the-Trainer  
*Not reporting on this Output for this Annual Report*

**Output #5**

**Output Measure**

- Direct - Volunteer Training  
*Not reporting on this Output for this Annual Report*

**Output #6**

**Output Measure**

- Direct - Workshop - series  
*Not reporting on this Output for this Annual Report*

**Output #7**

**Output Measure**

- Direct - Workshop - single session  
*Not reporting on this Output for this Annual Report*

**Output #8**

**Output Measure**

- Indirect - Applied Research  
*Not reporting on this Output for this Annual Report*

**Output #9**

**Output Measure**

- Indirect - Website  
*Not reporting on this Output for this Annual Report*

**Output #10**

**Output Measure**

- Direct - Consultation
- | Year | Target            | Actual |
|------|-------------------|--------|
| 2008 | {No Data Entered} | 222    |

**Output #11**

**Output Measure**

- Direct - Educational Programs or Projects
- | Year | Target            | Actual |
|------|-------------------|--------|
| 2008 | {No Data Entered} | 392    |

**Output #12**

**Output Measure**

- Indirect - Professional, Peer-reviewed, or Refereed, Scholarship
- | Year | Target            | Actual |
|------|-------------------|--------|
| 2008 | {No Data Entered} | 1      |



**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

O No.	OUTCOME NAME
1	Demonstrate advanced facilitation skills
2	Demonstrate basic facilitation skills
3	Demonstrate effective collaboration skills and techniques
4	Demonstrate effective practices in leadership roles
5	Demonstrate effective strategies for meeting needs
6	Demonstrate leadership skills
7	Demonstrate strategies to mobilize community resources
8	Demonstrate the effective use of action and results planning techniques
9	Describe effective mentoring and coaching techniques
10	Describe the components of an effective meeting
11	Describe the elements of effective group work
12	Describe organizational development processes and stages
13	Demonstrate process for assessing organizational and community needs
14	Provide learning opportunities for groups or organizations
15	Take leadership role
16	Teach others to take leadership and facilitation roles
17	Demonstrate group process skills
18	Demonstrate how to design, facilitate, run, and maintain a volunteer program
19	Demonstrate how to evaluate the effectiveness of existing policies or practices
20	Describe how to identify and garner resources
21	Describe needs assessment techniques
22	Describe the stages of group development
23	Identify community success stories
24	Access community needs
25	Be a mentor to other community organizations or groups
26	Create and sustain effective partnerships and collaborations
27	Develop a shared vision for the future
28	Develop partnerships among organizations or groups
29	Facilitate community discussions
30	Implement public policies or practices
31	Increase capacity to function as a group
32	Increase volunteerism
33	Teach others to convene and facilitate community collaboratives
34	Use collaborative process or approach
35	Increase the economic and social viability and sustainability of Maine communities.
36	Adopt effective communication skills
37	Conduct community service or outreach
38	Develop public policies or practices
39	Evaluate or analyze existing public policies or practices
40	Facilitate community discussions Be a mentor to other community organizations or groups Develop a shared vision for the future Implement public policies or practices Increase capacity to function as a group

41	Facilitate community discussions Be a mentor to other community organizations or groups Develop a shared vision for the future Increase capacity to function as a group Teach others to convene and facilitate community collaboratives
----	---

**Outcome #1**

**1. Outcome Measures**

Demonstrate advanced facilitation skills

*Not reporting on this Outcome for this Annual Report*

**Outcome #2**

**1. Outcome Measures**

Demonstrate basic facilitation skills

*Not reporting on this Outcome for this Annual Report*

**Outcome #3**

**1. Outcome Measures**

Demonstrate effective collaboration skills and techniques

*Not reporting on this Outcome for this Annual Report*

**Outcome #4**

**1. Outcome Measures**

Demonstrate effective practices in leadership roles

*Not reporting on this Outcome for this Annual Report*

**Outcome #5**

**1. Outcome Measures**

Demonstrate effective strategies for meeting needs

*Not reporting on this Outcome for this Annual Report*

**Outcome #6**

**1. Outcome Measures**

Demonstrate leadership skills

*Not reporting on this Outcome for this Annual Report*

**Outcome #7**

**1. Outcome Measures**

Demonstrate strategies to mobilize community resources

*Not reporting on this Outcome for this Annual Report*

**Outcome #8**

**1. Outcome Measures**

Demonstrate the effective use of action and results planning techniques

*Not reporting on this Outcome for this Annual Report*

**Outcome #9**

**1. Outcome Measures**

Describe effective mentoring and coaching techniques

*Not reporting on this Outcome for this Annual Report*

**Outcome #10**

**1. Outcome Measures**

Describe the components of an effective meeting

*Not reporting on this Outcome for this Annual Report*

**Outcome #11**

**1. Outcome Measures**

Describe the elements of effective group work

*Not reporting on this Outcome for this Annual Report*

**Outcome #12**

**1. Outcome Measures**

Describe organizational development processes and stages

*Not reporting on this Outcome for this Annual Report*

**Outcome #13**

**1. Outcome Measures**

Demonstrate process for assessing organizational and community needs

*Not reporting on this Outcome for this Annual Report*

**Outcome #14**

**1. Outcome Measures**

Provide learning opportunities for groups or organizations

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	240	91

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
608	Community Resource Planning and Development
805	Community Institutions, Health, and Social Services
803	Sociological and Technological Change Affecting Individuals, Families and Communities

**Outcome #15**

**1. Outcome Measures**

Take leadership role

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	150	249

**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
608	Community Resource Planning and Development
805	Community Institutions, Health, and Social Services

**Outcome #16**

**1. Outcome Measures**

Teach others to take leadership and facilitation roles

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	40	203

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

#### 4. Associated Knowledge Areas

KA Code	Knowledge Area
608	Community Resource Planning and Development
805	Community Institutions, Health, and Social Services
803	Sociological and Technological Change Affecting Individuals, Families and Communities

#### Outcome #17

##### 1. Outcome Measures

Demonstrate group process skills

*Not reporting on this Outcome for this Annual Report*

#### Outcome #18

##### 1. Outcome Measures

Demonstrate how to design, facilitate, run, and maintain a volunteer program

*Not reporting on this Outcome for this Annual Report*

#### Outcome #19

##### 1. Outcome Measures

Demonstrate how to evaluate the effectiveness of existing policies or practices

*Not reporting on this Outcome for this Annual Report*

#### Outcome #20

##### 1. Outcome Measures

Describe how to identify and garner resources

*Not reporting on this Outcome for this Annual Report*

#### Outcome #21

##### 1. Outcome Measures

Describe needs assessment techniques

*Not reporting on this Outcome for this Annual Report*

#### Outcome #22

##### 1. Outcome Measures

Describe the stages of group development

*Not reporting on this Outcome for this Annual Report*

#### Outcome #23

##### 1. Outcome Measures

Identify community success stories

*Not reporting on this Outcome for this Annual Report*

#### Outcome #24

##### 1. Outcome Measures

Access community needs

*Not reporting on this Outcome for this Annual Report*

**Outcome #25**

**1. Outcome Measures**

Be a mentor to other community organizations or groups  
*Not reporting on this Outcome for this Annual Report*

**Outcome #26**

**1. Outcome Measures**

Create and sustain effective partnerships and collaborations

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	2	341

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
608	Community Resource Planning and Development
803	Sociological and Technological Change Affecting Individuals, Families and Communities
805	Community Institutions, Health, and Social Services
901	Program and Project Design, and Statistics

**Outcome #27**

**1. Outcome Measures**

Develop a shared vision for the future  
*Not reporting on this Outcome for this Annual Report*

**Outcome #28**

**1. Outcome Measures**

Develop partnerships among organizations or groups

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	2	9

**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
608	Community Resource Planning and Development
803	Sociological and Technological Change Affecting Individuals, Families and Communities

**Outcome #29**

**1. Outcome Measures**

Facilitate community discussions

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	122	66

**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
608	Community Resource Planning and Development

**Outcome #30**



**1. Outcome Measures**

Implement public policies or practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #31**

**1. Outcome Measures**

Increase capacity to function as a group

*Not reporting on this Outcome for this Annual Report*

**Outcome #32**

**1. Outcome Measures**

Increase volunteerism

*Not reporting on this Outcome for this Annual Report*

**Outcome #33**

**1. Outcome Measures**

Teach others to convene and facilitate community collaboratives

*Not reporting on this Outcome for this Annual Report*

**Outcome #34**

**1. Outcome Measures**

Use collaborative process or approach

*Not reporting on this Outcome for this Annual Report*

**Outcome #35**

**1. Outcome Measures**

Increase the economic and social viability and sustainability of Maine communities.

*Not reporting on this Outcome for this Annual Report*

**Outcome #36**

**1. Outcome Measures**

Adopt effective communication skills

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	210

**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
901	Program and Project Design, and Statistics
802	Human Development and Family Well-Being

**Outcome #37**

**1. Outcome Measures**

Conduct community service or outreach

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	2045

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
608	Community Resource Planning and Development
805	Community Institutions, Health, and Social Services

**Outcome #38**

**1. Outcome Measures**

Develop public policies or practices

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	15

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
901	Program and Project Design, and Statistics
608	Community Resource Planning and Development
805	Community Institutions, Health, and Social Services

**Outcome #39**

**1. Outcome Measures**

Evaluate or analyze existing public policies or practices

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	56

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
608	Community Resource Planning and Development
803	Sociological and Technological Change Affecting Individuals, Families and Communities
805	Community Institutions, Health, and Social Services

**Outcome #40**

**1. Outcome Measures**

Facilitate community discussions Be a mentor to other community organizations or groups Develop a shared vision for the future Implement public policies or practices Increase capacity to function as a group

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	0

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

**Issue (Who cares and Why)**

Maine Solutions; Community Development Outreach: Community issues and concerns are often resolved through voting, where majority rule leaves some portion of stakeholders unsatisfied. Collaborative problem-solving approaches generally result in greater engagement by citizens affected by public concerns, and greater support for the solutions.

**What has been done**

Using a public concern resolution model adapted from the University of Oregon, UMaine Extension created Maine Solutions, a facilitated process that helps community members frame issues, generate criteria for successful resolution, and assess consequences. Using an advisory committee of community development practitioners, we have sponsored conferences for citizens and policy makers, including legislators, to learn about alternative methods of resolving public concerns.

**Results**

- During 2008, we implemented the Maine Solutions process to address issues at the local and state level.
- In Thomaston, Maine we engaged officials to prioritize municipal facilities needs for capital budget planning, resulting in a plan to address their needs while increasing the utilization of the town library and commercial space in the downtown.
- We facilitated the creation of a management plan for Taunton Bay that will manage the Bay as an ecosystem rather as a resource for single species extraction.
- We helped the permitting process for tidal energy generation at the Maine Maritime Academy move forward by developing a process for community members and stakeholders to have input directly to state and Federal regulators.
- We responded to a legislative initiative to examine efficiencies among five state natural resource agencies in Maine, reaching broad agreement on specific ideas to improve the quality of services provided by the agencies to citizens who enjoy and rely on those resources.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services
608	Community Resource Planning and Development

**Outcome #41**

**1. Outcome Measures**

Facilitate community discussions Be a mentor to other community organizations or groups Develop a shared vision for the future Increase capacity to function as a group Teach others to convene and facilitate community collaboratives

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	0

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

Strengthening Your Facilitation Skills, Level 1 Curriculum: Citizens groups are expected to respond to critical and complex social issues within their communities. Group members are expected to assume leadership roles and act as facilitators, often without the skills or competencies that are required to be effective. Communities need skilled community facilitators to filter citizen input and draw out creative, successful solutions to critical and complex social issues.

**What has been done**

Strengthening Your Facilitation Skills, Level 1, a curriculum developed to meet local community needs, was created by UMaine Cooperative Extension in 2007 and published nationally to meet expressed citizen train-the-trainer goals. Forty Extension and agency professionals from 10 states participated in a kick-off train-the-trainer conference, and the curriculum was presented at the 2008 International Association of Facilitators conference and at Extension's Galaxy III conference.

**Results**

Extension programs in three states have developed a state facilitation training plan and are using the curriculum to train Extension professionals who train others. Other states across the country and in Canada are training non-Extension staff and board members and have developed local facilitator networks. The curriculum is recognized as a tool to help build effective organizational systems by the National 4-H Learning Priorities Steering Committee and will be presented at the 2009 Children, Youth and Families at Risk conference.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
608	Community Resource Planning and Development
901	Program and Project Design, and Statistics

**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
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

**Brief Explanation****V(I). Planned Program (Evaluation Studies and Data Collection)****1. Evaluation Studies Planned**

- Before-After (before and after program)

**Evaluation Results**

**Key Items of Evaluation**

**Program #5**

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

**1. Name of the Planned Program**

Entrepreneurship - Small and Home Based Business

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

**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
134	Outdoor Recreation	2%		2%	
504	Home and Commercial Food Service	2%		2%	
602	Business Management, Finance, and Taxation	80%		80%	
604	Marketing and Distribution Practices	7%		7%	
607	Consumer Economics	2%		2%	
608	Community Resource Planning and Development	5%		5%	
801	Individual and Family Resource Management	2%		2%	
<b>Total</b>		<b>100%</b>		<b>100%</b>	

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

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

Year: 2008	Extension		Research	
	1862	1890	1862	1890
<b>Plan</b>	4.8	0.0	0.4	0.0
<b>Actual</b>	2.5	0.0	0.9	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
141656	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
413232	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
18179	0	0	0

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

**1. Brief description of the Activity**

•Consultations - Small and Home Based Business •Doing Business Radio Show •Eastern Maine Regional Business Regional Conference •Governor's Regional Conferences on Small Business & Entrepreneurship •National Home-Based and Micro Business Design Team •Small and Home Based Business Education Clinic •Small and Home Based Business Workshop Series •Small Business Related (publication) •Small Business Related (refereed journal article) •Trade Area Analysis Program •Virtual Resource Library

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

•Agency Staff or Professionals (Adult) •Business Assist Organization Staff (Adult) •Business Owners - current (Adult) •Business Owners - potential (Adult) •Community Leaders (Adult) •County Executive Committee Members (Adult) •Economic Development Organization Staff (Adult) •Extension - all staff (Adult) •Extension Faculty (Adult) •Extension Professionals (Adult) •Human Resource Managers (Adult) •Municipal Officials (Adult) •Small or Home-Based Business Owners - Current (Adult) •Small or Home-Based Business Owners - Potential (Adult) •Social Service Providers (Adult)

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

**1. Standard output measures**

**Target for the number of persons (contacts) reached through direct and indirect contact methods**

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
Plan	3700	2150	65	0
2008	1546	1600497	0	0

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

**Patent Applications Submitted**

Year	Target
Plan:	0
2008 :	0

**Patents listed**

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

**Number of Peer Reviewed Publications**

	Extension	Research	Total
Plan	0	0	
2008	0	0	0

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

**Output Target**



**Output #1**

**Output Measure**

- Direct - Conference or symposium; Planning and/or participation  
*Not reporting on this Output for this Annual Report*

**Output #2**

**Output Measure**

- Direct - Consultation; phone, written, in-person  
*Not reporting on this Output for this Annual Report*

**Output #3**

**Output Measure**

- Direct - Collaborative or Cooperative Effort  
*Not reporting on this Output for this Annual Report*

**Output #4**

**Output Measure**

- Direct - Group Presentation  
*Not reporting on this Output for this Annual Report*

**Output #5**

**Output Measure**

- Direct - Trade Area Analyses  
*Not reporting on this Output for this Annual Report*

**Output #6**

**Output Measure**

- Direct - Train-the-Trainer  
*Not reporting on this Output for this Annual Report*

**Output #7**

**Output Measure**

- Direct - Workshop - series  
*Not reporting on this Output for this Annual Report*

**Output #8**

**Output Measure**

- Direct - Workshop - single session  
*Not reporting on this Output for this Annual Report*

**Output #9**

**Output Measure**

- Indirect - Publication  
*Not reporting on this Output for this Annual Report*

**Output #10**

**Output Measure**

- Indirect - Website  
*Not reporting on this Output for this Annual Report*

**Output #11**

**Output Measure**

- Direct - Conference/Symposium
 

Year	Target	Actual
2008	{No Data Entered}	3

**Output #12**

**Output Measure**

- Direct - Consultation
 

Year	Target	Actual
2008	{No Data Entered}	206

**Output #13**

**Output Measure**

- Direct - Educational Programs or Projects

Year	Target	Actual
2008	{No Data Entered}	38

**Output #14**

**Output Measure**

- Direct - Scholarship

Year	Target	Actual
2008	{No Data Entered}	1

**Output #15**

**Output Measure**

- Direct - Train the Trainer or Volunteer Training

Year	Target	Actual
2008	{No Data Entered}	3

**Output #16**

**Output Measure**

- Indirect - Media and Internet

Year	Target	Actual
2008	{No Data Entered}	17

**Output #17**

**Output Measure**

- Indirect - Professional, Peer-reviewed, or Refereed, Scholarship

Year	Target	Actual
2008	{No Data Entered}	13

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

O No.	OUTCOME NAME
1	Access small business information
2	Contact business assist organizations
3	Demonstrate group, organizational, or personal leadership activities
4	Describe the components of a business plan
5	Describe the components of a customer service plan
6	Describe the components of a marketing plan
7	Describe the components of a profitable price
8	Describe the components of a record-keeping system
9	Understand small business information
10	Adopt business management practices
11	Adopt record-keeping system
12	Conduct educational activities through cooperative or collaborative effort
13	Design and implement small business conference
14	Develop a business plan
15	Develop a financial plan
16	Develop a marketing plan
17	Develop a pricing strategy
18	Develop customer service plan
19	Develop marketing tools
20	Establish a business
21	Participate in networking opportunities
22	Use relevant UMCE web-based resources
23	Demonstrate how to complete a community tourism inventory
24	Describe the value of networks
25	Decide not to create non-viable business
26	Develop tourism plan
27	Expand a business
28	Form collaborative group
29	Increase business revenues
30	Inventory community assets
31	Retain a business
32	Transition a business to closure
33	Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
34	Enhance the safety, sustainability and dependability of Maine's food supply.
35	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
36	Protect and enhance Maine's natural resources and environment through sustainable.
37	Demonstrate Advanced business management skills
38	Create jobs
39	Engage positively in their community
40	Participate in leadership roles

41	Develop a business plan Develop a financial plan Develop a marketing plan Develop a pricing strategy Develop customer service plan Develop marketing tools Demonstrate Advanced business management skills
42	Of the 377 participants in this year's conference 88 percent indicated the workshop(s) they attended had improved their knowledge on either a high or very high level; and 80 percent indicated that with their improved business management skills they planned to make improvement in their business within the six months following the conference. Some of the planned improvements included writing a business plan, conducting an energy audit, adopting better practices to protect the business, and setting up pricing based on a profitable formula.

**Outcome #1**

**1. Outcome Measures**

Access small business information

*Not reporting on this Outcome for this Annual Report*

**Outcome #2**

**1. Outcome Measures**

Contact business assist organizations

*Not reporting on this Outcome for this Annual Report*

**Outcome #3**

**1. Outcome Measures**

Demonstrate group, organizational, or personal leadership activities

*Not reporting on this Outcome for this Annual Report*

**Outcome #4**

**1. Outcome Measures**

Describe the components of a business plan

*Not reporting on this Outcome for this Annual Report*

**Outcome #5**

**1. Outcome Measures**

Describe the components of a customer service plan

*Not reporting on this Outcome for this Annual Report*

**Outcome #6**

**1. Outcome Measures**

Describe the components of a marketing plan

*Not reporting on this Outcome for this Annual Report*

**Outcome #7**

**1. Outcome Measures**

Describe the components of a profitable price

*Not reporting on this Outcome for this Annual Report*

**Outcome #8**

**1. Outcome Measures**

Describe the components of a record-keeping system

*Not reporting on this Outcome for this Annual Report*

**Outcome #9**

**1. Outcome Measures**

Understand small business information

*Not reporting on this Outcome for this Annual Report*

**Outcome #10**

**1. Outcome Measures**

Adopt business management practices

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	405	503

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
504	Home and Commercial Food Service
604	Marketing and Distribution Practices
602	Business Management, Finance, and Taxation
134	Outdoor Recreation
607	Consumer Economics

**Outcome #11**

**1. Outcome Measures**

Adopt record-keeping system

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	70	217

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
602	Business Management, Finance, and Taxation
607	Consumer Economics
134	Outdoor Recreation
504	Home and Commercial Food Service
604	Marketing and Distribution Practices
801	Individual and Family Resource Management

**Outcome #12**

**1. Outcome Measures**

Conduct educational activities through cooperative or collaborative effort

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2008	22	362

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
604	Marketing and Distribution Practices
607	Consumer Economics

**Outcome #13**

**1. Outcome Measures**

Design and implement small business conference

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2008	203	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
602	Business Management, Finance, and Taxation

**Outcome #14**

**1. Outcome Measures**

Develop a business plan

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	160	57

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
602	Business Management, Finance, and Taxation
504	Home and Commercial Food Service
607	Consumer Economics
134	Outdoor Recreation
604	Marketing and Distribution Practices

**Outcome #15**

**1. Outcome Measures**

Develop a financial plan

**2. Associated Institution Types**

•1862 Extension



**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	50	944

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
604	Marketing and Distribution Practices
607	Consumer Economics
602	Business Management, Finance, and Taxation
134	Outdoor Recreation
504	Home and Commercial Food Service

**Outcome #16**

**1. Outcome Measures**

Develop a marketing plan

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	35	229

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
134	Outdoor Recreation
607	Consumer Economics
604	Marketing and Distribution Practices
504	Home and Commercial Food Service

**Outcome #17****1. Outcome Measures**

Develop a pricing strategy

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	30	23

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)****What has been done****Results****4. Associated Knowledge Areas**

KA Code	Knowledge Area
604	Marketing and Distribution Practices
602	Business Management, Finance, and Taxation
607	Consumer Economics
134	Outdoor Recreation
504	Home and Commercial Food Service

**Outcome #18****1. Outcome Measures**

Develop customer service plan

*Not reporting on this Outcome for this Annual Report***Outcome #19****1. Outcome Measures**

Develop marketing tools

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	55	22

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
608	Community Resource Planning and Development
607	Consumer Economics
604	Marketing and Distribution Practices
134	Outdoor Recreation
504	Home and Commercial Food Service
602	Business Management, Finance, and Taxation

**Outcome #20**

**1. Outcome Measures**

Establish a business

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2008	28	67

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
602	Business Management, Finance, and Taxation
504	Home and Commercial Food Service
134	Outdoor Recreation

**Outcome #21**

**1. Outcome Measures**

Participate in networking opportunities

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	750	725

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
504	Home and Commercial Food Service
602	Business Management, Finance, and Taxation
134	Outdoor Recreation
604	Marketing and Distribution Practices

**Outcome #22**

**1. Outcome Measures**

Use relevant UMCE web-based resources

*Not reporting on this Outcome for this Annual Report*

**Outcome #23**

**1. Outcome Measures**

Demonstrate how to complete a community tourism inventory

*Not reporting on this Outcome for this Annual Report*

**Outcome #24**

**1. Outcome Measures**

Describe the value of networks

*Not reporting on this Outcome for this Annual Report*

**Outcome #25**

**1. Outcome Measures**

Decide not to create non-viable business

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	5	9

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
602	Business Management, Finance, and Taxation

**Outcome #26**

**1. Outcome Measures**

Develop tourism plan

*Not reporting on this Outcome for this Annual Report*

**Outcome #27**

**1. Outcome Measures**

Expand a business

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	5	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
134	Outdoor Recreation

**Outcome #28****1. Outcome Measures**

Form collaborative group

*Not reporting on this Outcome for this Annual Report***Outcome #29****1. Outcome Measures**

Increase business revenues

*Not reporting on this Outcome for this Annual Report***Outcome #30****1. Outcome Measures**

Inventory community assets

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	5	20

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)****What has been done****Results****4. Associated Knowledge Areas**

KA Code	Knowledge Area
608	Community Resource Planning and Development

**Outcome #31****1. Outcome Measures**

Retain a business

*Not reporting on this Outcome for this Annual Report***Outcome #32****1. Outcome Measures**

Transition a business to closure

*Not reporting on this Outcome for this Annual Report***Outcome #33**

**1. Outcome Measures**

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.

*Not reporting on this Outcome for this Annual Report*

**Outcome #34**

**1. Outcome Measures**

Enhance the safety, sustainability and dependability of Maine's food supply.

*Not reporting on this Outcome for this Annual Report*

**Outcome #35**

**1. Outcome Measures**

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

*Not reporting on this Outcome for this Annual Report*

**Outcome #36**

**1. Outcome Measures**

Protect and enhance Maine's natural resources and environment through sustainable.

*Not reporting on this Outcome for this Annual Report*

**Outcome #37**

**1. Outcome Measures**

Demonstrate Advanced business management skills

*Not reporting on this Outcome for this Annual Report*

**Outcome #38**

**1. Outcome Measures**

Create jobs

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	35

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
607	Consumer Economics
608	Community Resource Planning and Development
602	Business Management, Finance, and Taxation

**Outcome #39**

**1. Outcome Measures**

Engage positively in their community

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	664

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
602	Business Management, Finance, and Taxation
608	Community Resource Planning and Development
801	Individual and Family Resource Management

**Outcome #40**

**1. Outcome Measures**

Participate in leadership roles

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	522

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

**Issue (Who cares and Why)**



**What has been done****Results****4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
801	Individual and Family Resource Management
608	Community Resource Planning and Development

**Outcome #41****1. Outcome Measures**

Develop a business plan Develop a financial plan Develop a marketing plan  
 Develop a pricing strategy Develop customer service plan Develop marketing  
 tools Demonstrate Advanced business management skills

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2008	{No Data Entered}	0

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

Governor's Regional Conferences on Small Business and Entrepreneurship: Since 1996, small businesses with fewer than 20 employees have generated four out of every five jobs created in Maine. Research has demonstrated that approximately 60 percent of small businesses fail within the first five years. With this sizable impact of on Maine's economy, it is crucial that existing or aspiring small or micro business owners be given the necessary tools to successfully start and grow their businesses.

**What has been done**

The Governor's Regional Conferences on Small Business and Entrepreneurship are the result of planning by five organizations that provide support to micro enterprises in Maine, one of which is UMaine Extension. In 2008, the fourth and final event in the series was held, and featured workshops in business planning, marketing, finance, and e-commerce. UMaine Extension also helped obtain the initial seed grant for the conference. Our staff also served as workshop presenters at the conference.

**Results**

Of the 377 participants in this year's conference 88 percent indicated the workshop(s) they attended had improved their knowledge on either a high or very high level; and 80 percent indicated that with their improved business management skills they planned to make improvement in their business within the six months following the conference. Some of the planned improvements included writing a business plan, conducting an energy audit, adopting better practices to protect the business, and setting up pricing based on a profitable formula.

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
604	Marketing and Distribution Practices
602	Business Management, Finance, and Taxation

**Outcome #42**

**1. Outcome Measures**

Of the 377 participants in this year's conference 88 percent indicated the workshop(s) they attended had improved their knowledge on either a high or very high level; and 80 percent indicated that with their improved business management skills they planned to make improvement in their business within the six months following the conference. Some of the planned improvements included writing a business plan, conducting an energy audit, adopting better practices to protect the business, and setting up pricing based on a profitable formula.

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	0

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

**Issue (Who cares and Why)**

Recipe to Market; Working with Food Entrepreneurs: Maine entrepreneurs, farmers, and food producers need help to respond to the increasing demand for Maine produced value-added food products through improved understanding of the steps needed to take their food products to market and establish an economically viable enterprise.

**What has been done**

The UMaine Extension organized a five-week workshop series called Recipe to Market to offer information on product development, business planning, food regulations, food safety, market research, and pricing. The workshops were presented by a team of UMaine Extension faculty, inspectors from the Maine Department of Agriculture, Food and Rural Resources, and a panel of business owners. Sixteen participants attended.

**Results**

Post-series evaluation showed that as a result of attending the workshop:

- 83 percent of participants substantially increased their confidence in their ability to start a food business;
- 42 percent of participants conducted market research;
- 33 percent of participants created a business plan;
- 33 percent participants plan to expand and enhance future markets;
- 25 percent developed new food products;
- 25 percent plan to develop new products; and
- 17 percent improved product quality and marketability.

Within the first year, one new business has started and two are in the pre-opening start-up phase. One of our participants learned enough to believe she would not be successful and thanked us for saving her from a disastrous investment.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
604	Marketing and Distribution Practices
602	Business Management, Finance, and Taxation

**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
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration,new cultural groupings,etc.)

**Brief Explanation**

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**1. Evaluation Studies Planned**

- After Only (post program)

**Evaluation Results**

**Key Items of Evaluation**

**Program #6**

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

**1. Name of the Planned Program**

Environmental Education - Sustainable Living

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

**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
111	Conservation and Efficient Use of Water	10%			
112	Watershed Protection and Management	10%			
123	Management and Sustainability of Forest Resources	10%			
134	Outdoor Recreation	10%			
135	Aquatic and Terrestrial Wildlife	5%			
136	Conservation of Biological Diversity	5%			
403	Waste Disposal, Recycling, and Reuse	15%			
703	Nutrition Education and Behavior	5%			
724	Healthy Lifestyle	15%			
801	Individual and Family Resource Management	15%			
	<b>Total</b>	100%			

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

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

Year: 2008	Extension		Research	
	1862	1890	1862	1890
<b>Plan</b>	3.9	0.0	0.3	0.0
<b>Actual</b>	3.2	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
71214	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
384942	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
305707	0	0	0

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

**1. Brief description of the Activity**

•4-H Day School Programs at Camp •4-H Earth Connections - Conducted on School Grounds •4-H Earth Connections - Overnight School Programs •4-H Earth Connections Summer Residential Camp •Blueberry Cove Outputs •Earth Connections Volunteers •Earth Connections Volunteers: Creating Sustainable Communities - advanced modules •Earth Connections Volunteers: Creating Sustainable Communities - core curriculum •Environmental Education - Sustainable Living Programs and Activities •Outreach Conducted by Earth Connections Volunteers •Tanglewood Board of Directors •Tanglewood Day Camp •Tanglewood Discovery Trips •Vaughn Island 4-H Camp

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

•4-H Special Interest or Short-Term Program Participants (Youth) •Community Members (Adult) •Community Members (Youth) •Earth Connections Volunteers (Adult) •Employees (Adult) •Extension - all staff (Adult) •Extension Faculty (Adult) •Extension Homemakers (Adult) •Extension Professionals (Adult) •Families (Adult) •Families (Youth) •School Enrichment Program Participants (Youth) •Students (Youth) •Volunteers (Adult) •Youth (Youth)

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

**1. Standard output measures**

**Target for the number of persons (contacts) reached through direct and indirect contact methods**

	<b>Direct Contacts Adults</b>	<b>Indirect Contacts Adults</b>	<b>Direct Contacts Youth</b>	<b>Indirect Contacts Youth</b>
<b>Year</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>
<b>Plan</b>	950	405	4626	100
2008	340	0	2900	0

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

**Patent Applications Submitted**

<b>Year</b>	<b>Target</b>
<b>Plan:</b>	0
2008 :	0

**Patents listed**

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

**Number of Peer Reviewed Publications**

	<b>Extension</b>	<b>Research</b>	<b>Total</b>
<b>Plan</b>	0	0	
2008	0	0	0

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

**Output Target**

**Output #1**

**Output Measure**

- Direct - Volunteer Training  
*Not reporting on this Output for this Annual Report*

**Output #2**

**Output Measure**

- Direct - Train-the-Trainer  
*Not reporting on this Output for this Annual Report*

**Output #3**

**Output Measure**

- Direct - 4-H Overnight Camp  
*Not reporting on this Output for this Annual Report*

**Output #4**

**Output Measure**

- Direct - 4-H Day Camp  
*Not reporting on this Output for this Annual Report*

**Output #5**

**Output Measure**

- Direct - Public Presentation  
*Not reporting on this Output for this Annual Report*

**Output #6**

**Output Measure**

- Direct - Demonstration Project  
*Not reporting on this Output for this Annual Report*

**Output #7**

**Output Measure**

- Direct - Management teams
- | Year | Target | Actual |
|------|--------|--------|
| 2008 | 15     | 28     |

**Output #8**

**Output Measure**

- Direct - 4-H School Enrichment  
*Not reporting on this Output for this Annual Report*

**Output #9**

**Output Measure**

- Direct - Applied Research  
*Not reporting on this Output for this Annual Report*

**Output #10**

**Output Measure**

- Direct - Collaborative or Cooperative Effort
- | Year | Target | Actual |
|------|--------|--------|
| 2008 | 10     | 24     |

**Output #11**

**Output Measure**

- Indirect - Website  
*Not reporting on this Output for this Annual Report*

**Output #12**

**Output Measure**

- Direct - 4-H Club, Camp, Project, Program
- | Year | Target            | Actual |
|------|-------------------|--------|
| 2008 | {No Data Entered} | 633    |

**Output #13**

**Output Measure**

- Direct - Educational Programs or Projects

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	{No Data Entered}	2

**Output #14**

**Output Measure**

- Direct - Scholarship

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	{No Data Entered}	0

**Output #15**

**Output Measure**

- Direct - Train the Trainer or Volunteer Training

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	{No Data Entered}	59

## V(G). State Defined Outcomes

## V. State Defined Outcomes Table of Content

O No.	OUTCOME NAME
1	Develop skills that promote healthy relationships
2	Increase use of Maine-produced natural resources
3	Make better decision regarding natural resource management
4	Make better decisions regarding healthy lifestyle
5	Organize community coalitions and working groups
6	Promote healthy relationships
7	Protect or conserve biodiversity and habitat including native plant and animal species
8	Use new technologies
9	Demonstrate basic facilitation skills
10	Demonstrate effective practices in leadership roles
11	Demonstrate effective relationship skills
12	Demonstrate healthy lifestyle choices
13	Demonstrate how to assess the impact of your lifestyle
14	Demonstrate how to identify native flora and fauna.
15	Demonstrate how to identify non-native invasive species
16	Demonstrate how to use technology
17	Demonstrate sustainable living principles and practices
18	Describe aspirations to contribute to ecological health and biodiversity
19	Describe community service and outreach opportunities
20	Describe ecological principles
21	Describe effective group work and leadership
22	Describe forest ecosystem processes
23	Describe freshwater ecosystem processes
24	Describe healthy lifestyle choices
25	Describe how to integrate regular physical activity into daily lives in a variety of ways
26	Describe management strategies for forest ecosystems
27	Describe management strategies for freshwater ecosystems
28	Describe management strategies for marine ecosystems
29	Describe marine ecosystem processes
30	Describe self as part of the web of life
31	Describe styles of leadership and their appropriate application
32	Describe sustainable living principles and practices
33	Describe the ecosystems where they live
34	Describe the elements of effective group work
35	Describe the laws of ecology
36	Describe the principles of biodiversity and the form and function of ecosystems
37	Describe ways to observe, explore, and experience nature
38	Develop an action plan or results planning document
39	Adopt appropriate practices
40	Adopt environmentally sound practices
41	Adopt lower impact lifestyles



- |    |  |
|----|--|
| 42 | Conduct community service or outreach  |
| 43 | Create and sustain effective partnerships and collaborations   |
| 44 | Create demonstration model   |
| 45 | Create learning opportunities based on principles of positive human development  |
| 46 | Develop a sense of belonging to a community  |
| 47 | Develop environmentally sound technologies and practices   |
| 48 | Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness. |
| 49 | Protect and enhance Maine's natural resources and environment through sustainable.   |
| 50 | Describe ways of applying a mindfulness practice in their own lives  |
| 51 | Protect or conserve biodiversity and habitat including native plant and animal species(duplicate)                                |
| 52 | Secure resources   |
| 53 | Support and mentor others in leadership roles  |
| 54 | Use services of natural resource professionals   |
| 55 | Conduct a demonstration, tour, or talk   |
| 56 | Develop a shared vision for the future   |
| 57 | Engage positively in their community   |

**Outcome #1**

**1. Outcome Measures**

Develop skills that promote healthy relationships

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	1520	2982

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle

**Outcome #2**

**1. Outcome Measures**

Increase use of Maine-produced natural resources

*Not reporting on this Outcome for this Annual Report*

**Outcome #3**

**1. Outcome Measures**

Make better decision regarding natural resource management

*Not reporting on this Outcome for this Annual Report*

**Outcome #4**

**1. Outcome Measures**

Make better decisions regarding healthy lifestyle

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	700	1773

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle

**Outcome #5**

**1. Outcome Measures**

Organize community coalitions and working groups  
*Not reporting on this Outcome for this Annual Report*

**Outcome #6**

**1. Outcome Measures**

Promote healthy relationships  
*Not reporting on this Outcome for this Annual Report*

**Outcome #7**

**1. Outcome Measures**

Protect or conserve biodiversity and habitat including native plant and animal species  
*Not reporting on this Outcome for this Annual Report*

**Outcome #8**

**1. Outcome Measures**

Use new technologies

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	110	259

**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
123	Management and Sustainability of Forest Resources
111	Conservation and Efficient Use of Water
724	Healthy Lifestyle
136	Conservation of Biological Diversity
134	Outdoor Recreation
112	Watershed Protection and Management
403	Waste Disposal, Recycling, and Reuse

**Outcome #9**

**1. Outcome Measures**

Demonstrate basic facilitation skills

*Not reporting on this Outcome for this Annual Report*

**Outcome #10**

**1. Outcome Measures**

Demonstrate effective practices in leadership roles

*Not reporting on this Outcome for this Annual Report*

**Outcome #11**

**1. Outcome Measures**

Demonstrate effective relationship skills

*Not reporting on this Outcome for this Annual Report*

**Outcome #12**

**1. Outcome Measures**

Demonstrate healthy lifestyle choices

*Not reporting on this Outcome for this Annual Report*

**Outcome #13**

**1. Outcome Measures**

Demonstrate how to assess the impact of your lifestyle

*Not reporting on this Outcome for this Annual Report*

**Outcome #14**

**1. Outcome Measures**

Demonstrate how to identify native flora and fauna.

*Not reporting on this Outcome for this Annual Report*

**Outcome #15**

**1. Outcome Measures**

Demonstrate how to identify non-native invasive species

*Not reporting on this Outcome for this Annual Report*

**Outcome #16**

**1. Outcome Measures**

Demonstrate how to use technology

*Not reporting on this Outcome for this Annual Report*

**Outcome #17**

**1. Outcome Measures**

Demonstrate sustainable living principles and practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #18**

**1. Outcome Measures**

Describe aspirations to contribute to ecological health and biodiversity

*Not reporting on this Outcome for this Annual Report*

**Outcome #19**

**1. Outcome Measures**

Describe community service and outreach opportunities

*Not reporting on this Outcome for this Annual Report*

**Outcome #20**

**1. Outcome Measures**

Describe ecological principles

*Not reporting on this Outcome for this Annual Report*

**Outcome #21**

**1. Outcome Measures**

Describe effective group work and leadership

*Not reporting on this Outcome for this Annual Report*

**Outcome #22**

**1. Outcome Measures**

Describe forest ecosystem processes

*Not reporting on this Outcome for this Annual Report*

**Outcome #23**

**1. Outcome Measures**

Describe freshwater ecosystem processes

*Not reporting on this Outcome for this Annual Report*

**Outcome #24**

**1. Outcome Measures**

Describe healthy lifestyle choices

*Not reporting on this Outcome for this Annual Report*

**Outcome #25**

**1. Outcome Measures**

Describe how to integrate regular physical activity into daily lives in a variety of ways

*Not reporting on this Outcome for this Annual Report*

**Outcome #26**

**1. Outcome Measures**

Describe management strategies for forest ecosystems

*Not reporting on this Outcome for this Annual Report*

**Outcome #27**

**1. Outcome Measures**

Describe management strategies for freshwater ecosystems

*Not reporting on this Outcome for this Annual Report*

**Outcome #28**

**1. Outcome Measures**

Describe management strategies for marine ecosystems

*Not reporting on this Outcome for this Annual Report*

**Outcome #29**

**1. Outcome Measures**

Describe marine ecosystem processes

*Not reporting on this Outcome for this Annual Report*

**Outcome #30**

**1. Outcome Measures**

Describe self as part of the web of life

*Not reporting on this Outcome for this Annual Report*

**Outcome #31**

**1. Outcome Measures**

Describe styles of leadership and their appropriate application

*Not reporting on this Outcome for this Annual Report*

**Outcome #32**

**1. Outcome Measures**

Describe sustainable living principles and practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #33**

**1. Outcome Measures**

Describe the ecosystems where they live

*Not reporting on this Outcome for this Annual Report*

**Outcome #34**

**1. Outcome Measures**

Describe the elements of effective group work

*Not reporting on this Outcome for this Annual Report*

**Outcome #35**

**1. Outcome Measures**

Describe the laws of ecology

*Not reporting on this Outcome for this Annual Report*

**Outcome #36**

**1. Outcome Measures**

Describe the principles of biodiversity and the form and function of ecosystems

*Not reporting on this Outcome for this Annual Report*

**Outcome #37**

**1. Outcome Measures**

Describe ways to observe, explore, and experience nature

*Not reporting on this Outcome for this Annual Report*

**Outcome #38**

**1. Outcome Measures**

Develop an action plan or results planning document

*Not reporting on this Outcome for this Annual Report*

**Outcome #39**

**1. Outcome Measures**

Adopt appropriate practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #40**

**1. Outcome Measures**

Adopt environmentally sound practices

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	1520	1748

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle

**Outcome #41**

**1. Outcome Measures**

Adopt lower impact lifestyles

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	730	753

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle



**Outcome #42****1. Outcome Measures**

Conduct community service or outreach

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	280	2045

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)****What has been done****Results****4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle

**Outcome #43****1. Outcome Measures**

Create and sustain effective partnerships and collaborations

*Not reporting on this Outcome for this Annual Report***Outcome #44****1. Outcome Measures**

Create demonstration model

*Not reporting on this Outcome for this Annual Report***Outcome #45****1. Outcome Measures**

Create learning opportunities based on principles of positive human development

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	700	1404

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle

**Outcome #46**

**1. Outcome Measures**

Develop a sense of belonging to a community

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	180	1209

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle

**Outcome #47**

**1. Outcome Measures**

Develop environmentally sound technologies and practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #48**

**1. Outcome Measures**

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

*Not reporting on this Outcome for this Annual Report*

**Outcome #49**

**1. Outcome Measures**

Protect and enhance Maine's natural resources and environment through sustainable.

*Not reporting on this Outcome for this Annual Report*

**Outcome #50**

**1. Outcome Measures**

Describe ways of applying a mindfulness practice in their own lives

*Not reporting on this Outcome for this Annual Report*

**Outcome #51**

**1. Outcome Measures**

Protect or conserve biodiversity and habitat including native plant and animal species(duplicate)

*Not reporting on this Outcome for this Annual Report*

**Outcome #52**

**1. Outcome Measures**

Secure resources

*Not reporting on this Outcome for this Annual Report*

**Outcome #53**

**1. Outcome Measures**

Support and mentor others in leadership roles

*Not reporting on this Outcome for this Annual Report*

**Outcome #54**

**1. Outcome Measures**

Use services of natural resource professionals

*Not reporting on this Outcome for this Annual Report*

**Outcome #55**

**1. Outcome Measures**

Conduct a demonstration, tour, or talk

*Not reporting on this Outcome for this Annual Report*

**Outcome #56**

**1. Outcome Measures**

Develop a shared vision for the future

*Not reporting on this Outcome for this Annual Report*

## **Outcome #57**

### **1. Outcome Measures**

Engage positively in their community

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

•1862 Extension

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

Change in Action Outcome Measure

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

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2008	{No Data Entered}	664

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

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

<b>KA Code</b>	<b>Knowledge Area</b>
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
403	Waste Disposal, Recycling, and Reuse

## **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
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration,new cultural groupings,etc.)

### **Brief Explanation**

## **V(I). Planned Program (Evaluation Studies and Data Collection)**

### **1. Evaluation Studies Planned**

- Before-After (before and after program)
- During (during program)

### **Evaluation Results**

**Key Items of Evaluation**

**Program #7**

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

**1. Name of the Planned Program**

Family Relations and Transitions

**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	20%		20%	
802	Human Development and Family Well-Being	20%		20%	
803	Sociological and Technological Change Affecting Individuals, Families and Communities	60%		60%	
<b>Total</b>		100%		100%	

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

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

Year: 2008	Extension		Research	
	1862	1890	1862	1890
<b>Plan</b>	7.3	0.0	0.4	0.0
<b>Actual</b>	6.9	0.0	8.0	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
112596	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
370822	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
708830	0	0	0

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

**1. Brief description of the Activity**

•4-H volunteer Development - Volunteer Training •Caring For Kids - Baby Sitting Training for Youth •Collaborative Relationships With Community Organizations •Community Inquiries •Facilitation skills for community leaders •Family Related (publication) •Family Related (refereed journal article) •Home Visits With New Parents •Human Development and Family Relations Training To New Parent Educators and Home Visitors in the "Parents Are Teachers Too" Model •Infant Mental Health Professional Development Opportunities •Leadership to Collaborative Groups to Improve and Expand Maine's Home Visiting System •Legislative education •Mentor and Provide Technical Assistance to Home Visiting Program Managers •Newsletter - Money Sense •Parent Educator Training •Professional Development For Home Visitors •Professional development trainings •Recruit, Educate, and Match Volunteer Mentors with Adolescent Parents. •Strengthening Stepfamilies •The Growing Years •This is a pilot- Home Budgeting Clinic with consultation- of a family referred by EAP. •Training Opportunities for Parent Educators. •Turn Beauty Inside Out/ Full of Ourselves Workshops - Adults •Volunteer Support - 4-H Youth Development •Women's Leadership Retreats: The Eleanor Days

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

•4-H Community or Project Clubs Participants (Youth) •4-H Volunteers (Adult) •Agency Staff or Professionals (Adult) •Business Owners - current (Adult) •Care Providers for Children (Adult) •Coalition Members (Adult) •Community Leaders (Adult) •Community Members (Adult) •Community Organization Members or Staff (Adult) •Extension - all staff (Adult) •Extension Faculty (Adult) •Families (Adult) •Families (Youth) •General Public (Adult) •Grandparents (Adult) •Parent Educators (Adult) •Parents (Adult) •Policy Makers (Adult) •Scientists (Adult) •Social Service Providers (Adult) •Teachers (Adult) •Volunteers (Adult) •Youth (Youth)

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

**1. Standard output measures**

**Target for the number of persons (contacts) reached through direct and indirect contact methods**

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
Plan	1350	718	75	0
2008	1321	10785	78	0

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

**Patent Applications Submitted**

Year	Target
Plan:	0
2008 :	0

**Patents listed**

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

**Number of Peer Reviewed Publications**

	Extension	Research	Total
Plan	0	0	
2008	0	0	0

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

**Output Target**

**Output #1****Output Measure**

- Direct - Experiential Learning

*Not reporting on this Output for this Annual Report*

**Output #2****Output Measure**

- Direct - Applied Research

*Not reporting on this Output for this Annual Report*

**Output #3****Output Measure**

- Direct - Collaborative or Cooperative Effort

Year	Target	Actual
2008	16	53

**Output #4****Output Measure**

- Direct - Conference or symposium; Planning and/or participation

*Not reporting on this Output for this Annual Report*

**Output #5****Output Measure**

- Direct - Consultation; phone, written, in-person

*Not reporting on this Output for this Annual Report*

**Output #6****Output Measure**

- Direct - Group Presentation

*Not reporting on this Output for this Annual Report*

**Output #7****Output Measure**

- Direct - Public Presentation

*Not reporting on this Output for this Annual Report*

**Output #8****Output Measure**

- Direct - Train-the-Trainer

*Not reporting on this Output for this Annual Report*

**Output #9****Output Measure**

- Direct - Volunteer Training

*Not reporting on this Output for this Annual Report*

**Output #10****Output Measure**

- Direct - Workshop - series

*Not reporting on this Output for this Annual Report*

**Output #11****Output Measure**

- Indirect - Publication - curriculum

*Not reporting on this Output for this Annual Report*

**Output #12****Output Measure**

- Indirect - Publication - newsletter

*Not reporting on this Output for this Annual Report*

**Output #13****Output Measure**

- Indirect - Written or e-mail response to Client Request

*Not reporting on this Output for this Annual Report*



**Output #14****Output Measure**

- Direct - Conference/Symposium

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	{No Data Entered}	4

**Output #15****Output Measure**

- Direct - Consultation

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	{No Data Entered}	1623

**Output #16****Output Measure**

- Direct - Educational Programs or Projects

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	{No Data Entered}	3

**Output #17****Output Measure**

- Direct - Train the Trainer or Volunteer Training

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	{No Data Entered}	78

**Output #18****Output Measure**

- Indirect - Applied Research

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	{No Data Entered}	2

**Output #19****Output Measure**

- Indirect - Professional, Peer-reviewed, or Refereed, Scholarship

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	{No Data Entered}	15

**Output #20****Output Measure**

- Indirect - Publication in the Popular Media

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	{No Data Entered}	20

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

O No.	OUTCOME NAME
1	Demonstrate age-appropriate preventive health practices
2	Demonstrate age-appropriate relationship skills
3	Demonstrate age-appropriate tasks and needs
4	Demonstrate conflict management or mediation skills
5	Demonstrate effective mentoring or coaching skills
6	Demonstrate healthy lifestyle practices
7	Demonstrate how to care for and nurture others
8	Demonstrate how to communicate effectively
9	Demonstrate how to create safe spaces
10	Demonstrate how to develop a budget to meet financial goals
11	Demonstrate how to distinguish between "needs" and "wants"
12	Demonstrate how to keep good records
13	Demonstrate how to make informed financial decisions
14	Demonstrate how to promote competence
15	Demonstrate how to respect others
16	Demonstrate how to respond to an emergency situation
17	Demonstrate how to support development of whole people
18	Demonstrate positive engagement in their communities
19	Describe age-appropriate safety practices
20	Describe effective group work and leadership
21	Describe elements of safe environments in homes, schools, or communities
22	Describe gender stereotypes and their effects
23	Describe the components of a record-keeping system
24	Describe the elements of safe spaces
25	Describe the essential factors regarding human development principles
26	Describe the impact of cultural and media messages
27	Adopt record-keeping system
28	Balance roles, responsibilities, and stress
29	Conduct community-based education that encourages healthy individual and family behaviors
30	Create learning opportunities based on principles of positive human development
31	Create safe and empowering learning opportunities
32	Create sustainable networks
33	Develop a financial plan
34	Develop and apply policies or practices that create safe, healthy physical environments
35	Develop and apply policies or practices that create safe, healthy psychological environments
36	Develop literacy and critical thinking skills
37	Develop skills that promote healthy relationships
38	Engage in leadership development
39	Make better decisions
40	Make better decisions using accurate records
41	Manage community resources

- |    |   |
|----|---|
| 42 | Model positive group behavior to others   |
| 43 | Organize conferences or other learning opportunities  |
| 44 | Use literacy and critical thinking skills   |
| 45 | Use relevant UMCE web-based resources   |
| 46 | Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness |
| 47 | Increase the economic and social viability and sustainability of Maine communities.   |
| 48 | Provide learning opportunities for groups or organizations  |
| 49 | Reduce or eliminate gender stereotyping   |
| 50 | Teach others to take leadership and facilitation roles  |
| 51 | Treat all people with dignity and respect   |
| 52 | Demonstrate a positive attitude toward safety   |
| 53 | Demonstrate basic facilitation skills   |
| 54 | Demonstrate effective collaboration skills and techniques   |
| 55 | Demonstrate how to allocate scarce or limited resources   |
| 56 | Demonstrate how to create educational situations that honor all learning styles   |
| 57 | Demonstrate how to effectively lead organizations or community groups   |
| 58 | Describe diversity  |
| 59 | Confront disrespectful behaviors  |
| 60 | Create and sustain effective partnerships and collaborations  |
| 61 | Create new media  |
| 62 | Develop a shared vision for the future  |
| 63 | Have "real" conversations about gender issues and limits of stereotypes   |
| 64 | Support and mentor others in leadership roles   |
| 65 | Adopt effective communication skills  |
| 66 | Assume personal responsibility for health   |
| 67 | Express good feeling about self   |
| 68 | Increase volunteerism   |

**Outcome #1**

**1. Outcome Measures**

Demonstrate age-appropriate preventive health practices  
*Not reporting on this Outcome for this Annual Report*

**Outcome #2**

**1. Outcome Measures**

Demonstrate age-appropriate relationship skills  
*Not reporting on this Outcome for this Annual Report*

**Outcome #3**

**1. Outcome Measures**

Demonstrate age-appropriate tasks and needs  
*Not reporting on this Outcome for this Annual Report*

**Outcome #4**

**1. Outcome Measures**

Demonstrate conflict management or mediation skills  
*Not reporting on this Outcome for this Annual Report*

**Outcome #5**

**1. Outcome Measures**

Demonstrate effective mentoring or coaching skills  
*Not reporting on this Outcome for this Annual Report*

**Outcome #6**

**1. Outcome Measures**

Demonstrate healthy lifestyle practices  
*Not reporting on this Outcome for this Annual Report*

**Outcome #7**

**1. Outcome Measures**

Demonstrate how to care for and nurture others  
*Not reporting on this Outcome for this Annual Report*

**Outcome #8**

**1. Outcome Measures**

Demonstrate how to communicate effectively  
*Not reporting on this Outcome for this Annual Report*

**Outcome #9**

**1. Outcome Measures**

Demonstrate how to create safe spaces  
*Not reporting on this Outcome for this Annual Report*

**Outcome #10**

**1. Outcome Measures**

Demonstrate how to develop a budget to meet financial goals

*Not reporting on this Outcome for this Annual Report*

**Outcome #11**

**1. Outcome Measures**

Demonstrate how to distinguish between "needs" and "wants"

*Not reporting on this Outcome for this Annual Report*

**Outcome #12**

**1. Outcome Measures**

Demonstrate how to keep good records

*Not reporting on this Outcome for this Annual Report*

**Outcome #13**

**1. Outcome Measures**

Demonstrate how to make informed financial decisions

*Not reporting on this Outcome for this Annual Report*

**Outcome #14**

**1. Outcome Measures**

Demonstrate how to promote competence

*Not reporting on this Outcome for this Annual Report*

**Outcome #15**

**1. Outcome Measures**

Demonstrate how to respect others

*Not reporting on this Outcome for this Annual Report*

**Outcome #16**

**1. Outcome Measures**

Demonstrate how to respond to an emergency situation

*Not reporting on this Outcome for this Annual Report*

**Outcome #17**

**1. Outcome Measures**

Demonstrate how to support development of whole people

*Not reporting on this Outcome for this Annual Report*

**Outcome #18**

**1. Outcome Measures**

Demonstrate positive engagement in their communities

*Not reporting on this Outcome for this Annual Report*

**Outcome #19**

**1. Outcome Measures**

Describe age-appropriate safety practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #20**

**1. Outcome Measures**

Describe effective group work and leadership

*Not reporting on this Outcome for this Annual Report*

**Outcome #21**

**1. Outcome Measures**

Describe elements of safe environments in homes, schools, or communities

*Not reporting on this Outcome for this Annual Report*

**Outcome #22**

**1. Outcome Measures**

Describe gender stereotypes and their effects

*Not reporting on this Outcome for this Annual Report*

**Outcome #23**

**1. Outcome Measures**

Describe the components of a record-keeping system

*Not reporting on this Outcome for this Annual Report*

**Outcome #24**

**1. Outcome Measures**

Describe the elements of safe spaces

*Not reporting on this Outcome for this Annual Report*

**Outcome #25**

**1. Outcome Measures**

Describe the essential factors regarding human development principles

*Not reporting on this Outcome for this Annual Report*

**Outcome #26**

**1. Outcome Measures**

Describe the impact of cultural and media messages

*Not reporting on this Outcome for this Annual Report*

**Outcome #27**

**1. Outcome Measures**

Adopt record-keeping system

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	150	217

**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 #28**

**1. Outcome Measures**

Balance roles, responsibilities, and stress

*Not reporting on this Outcome for this Annual Report*

**Outcome #29**

**1. Outcome Measures**

Conduct community-based education that encourages healthy individual and family behaviors

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	160	342

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
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802 Human Development and Family Well-Being  
 803 Sociological and Technological Change Affecting Individuals, Families and Communities

**Outcome #30**

**1. Outcome Measures**

Create learning opportunities based on principles of positive human development

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	410	1404

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
803	Sociological and Technological Change Affecting Individuals, Families and Communities

**Outcome #31**

**1. Outcome Measures**

Create safe and empowering learning opportunities

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	115	106

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

**Issue (Who cares and Why)**

**What has been done**

**Results**



**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
801	Individual and Family Resource Management
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families and Communities

**Outcome #32**

**1. Outcome Measures**

Create sustainable networks

*Not reporting on this Outcome for this Annual Report*

**Outcome #33**

**1. Outcome Measures**

Develop a financial plan

*Not reporting on this Outcome for this Annual Report*

**Outcome #34**

**1. Outcome Measures**

Develop and apply policies or practices that create safe, healthy physical environments

*Not reporting on this Outcome for this Annual Report*

**Outcome #35**

**1. Outcome Measures**

Develop and apply policies or practices that create safe, healthy psychological environments

*Not reporting on this Outcome for this Annual Report*

**Outcome #36**

**1. Outcome Measures**

Develop literacy and critical thinking skills

*Not reporting on this Outcome for this Annual Report*

**Outcome #37**

**1. Outcome Measures**

Develop skills that promote healthy relationships

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2008	314	2982

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families and Communities

**Outcome #38**

**1. Outcome Measures**

Engage in leadership development

*Not reporting on this Outcome for this Annual Report*

**Outcome #39**

**1. Outcome Measures**

Make better decisions

*Not reporting on this Outcome for this Annual Report*

**Outcome #40**

**1. Outcome Measures**

Make better decisions using accurate records

*Not reporting on this Outcome for this Annual Report*

**Outcome #41**

**1. Outcome Measures**

Manage community resources

*Not reporting on this Outcome for this Annual Report*

**Outcome #42**

**1. Outcome Measures**

Model positive group behavior to others

*Not reporting on this Outcome for this Annual Report*

**Outcome #43**

**1. Outcome Measures**

Organize conferences or other learning opportunities

*Not reporting on this Outcome for this Annual Report*

**Outcome #44**

**1. Outcome Measures**

Use literacy and critical thinking skills

*Not reporting on this Outcome for this Annual Report*

**Outcome #45**

**1. Outcome Measures**

Use relevant UMCE web-based resources

*Not reporting on this Outcome for this Annual Report*

**Outcome #46**

**1. Outcome Measures**

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness

*Not reporting on this Outcome for this Annual Report*

**Outcome #47**

**1. Outcome Measures**

Increase the economic and social viability and sustainability of Maine communities.

*Not reporting on this Outcome for this Annual Report*

**Outcome #48**

**1. Outcome Measures**

Provide learning opportunities for groups or organizations

*Not reporting on this Outcome for this Annual Report*

**Outcome #49**

**1. Outcome Measures**

Reduce or eliminate gender stereotyping

*Not reporting on this Outcome for this Annual Report*

**Outcome #50**

**1. Outcome Measures**

Teach others to take leadership and facilitation roles

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	80	203

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
803	Sociological and Technological Change Affecting Individuals, Families and Communities
802	Human Development and Family Well-Being

**Outcome #51**

**1. Outcome Measures**

Treat all people with dignity and respect

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	220	1542

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
803	Sociological and Technological Change Affecting Individuals, Families and Communities
802	Human Development and Family Well-Being

**Outcome #52**

**1. Outcome Measures**

Demonstrate a positive attitude toward safety  
*Not reporting on this Outcome for this Annual Report*

**Outcome #53**

**1. Outcome Measures**

Demonstrate basic facilitation skills  
*Not reporting on this Outcome for this Annual Report*

**Outcome #54**

**1. Outcome Measures**

Demonstrate effective collaboration skills and techniques  
*Not reporting on this Outcome for this Annual Report*

**Outcome #55**

**1. Outcome Measures**

Demonstrate how to allocate scarce or limited resources

*Not reporting on this Outcome for this Annual Report*

**Outcome #56**

**1. Outcome Measures**

Demonstrate how to create educational situations that honor all learning styles

*Not reporting on this Outcome for this Annual Report*

**Outcome #57**

**1. Outcome Measures**

Demonstrate how to effectively lead organizations or community groups

*Not reporting on this Outcome for this Annual Report*

**Outcome #58**

**1. Outcome Measures**

Describe diversity

*Not reporting on this Outcome for this Annual Report*

**Outcome #59**

**1. Outcome Measures**

Confront disrespectful behaviors

*Not reporting on this Outcome for this Annual Report*

**Outcome #60**

**1. Outcome Measures**

Create and sustain effective partnerships and collaborations

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	36	341

**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 #61**

**1. Outcome Measures**

Create new media  
*Not reporting on this Outcome for this Annual Report*

**Outcome #62**

**1. Outcome Measures**

Develop a shared vision for the future  
*Not reporting on this Outcome for this Annual Report*

**Outcome #63**

**1. Outcome Measures**

Have "real" conversations about gender issues and limits of stereotypes  
*Not reporting on this Outcome for this Annual Report*

**Outcome #64**

**1. Outcome Measures**

Support and mentor others in leadership roles

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	7	315

**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
803	Sociological and Technological Change Affecting Individuals, Families and Communities

**Outcome #65**

**1. Outcome Measures**

Adopt effective communication skills

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	210

**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
801	Individual and Family Resource Management

**Outcome #66**

**1. Outcome Measures**

Assume personal responsibility for health

*Not reporting on this Outcome for this Annual Report*

**Outcome #67**

**1. Outcome Measures**

Express good feeling about self

*Not reporting on this Outcome for this Annual Report*

**Outcome #68**

**1. Outcome Measures**

Increase volunteerism

*Not reporting on this Outcome for this Annual Report*

**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
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration,new cultural groupings,etc.)

**Brief Explanation**

{No Data Entered}

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**1. Evaluation Studies Planned**

- Before-After (before and after program)
- During (during program)
- Time series (multiple points before and after program)
- Case Study

**Evaluation Results**

**Key Items of Evaluation**



**Program #8**

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

**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
501	New and Improved Food Processing Technologies	15%			
502	New and Improved Food Products	5%			
504	Home and Commercial Food Service	20%			
704	Nutrition and Hunger in the Population	20%			
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.	20%			
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins	20%			
<b>Total</b>		100%			

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

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

Year: 2008	Extension		Research	
	1862	1890	1862	1890
<b>Plan</b>	2.2	0.0	0.4	0.0
<b>Actual</b>	0.9	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
37018	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
103527	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
232196	0	0	0

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

**1. Brief description of the Activity**

•Consultation - Food Safety and Food Preservation •Cooking for a Crowd •EFNEP Food Safety •Fight Food Borne Illness •Food Cupboard Coalition •Food Preservation and Nutrition Call Team •Food Preservation Workshops •Food Safety Public Presentation •Food Safety Related (publication) •Maine Family Nutrition Program Food Safety •Master Food Preserver •Pressure Gauge Testing •Safety Zone

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

•Adults with Disabilities (Adults) •Care Providers for Children (Adult) •Care Providers for Seniors or Elders (Adult) •Community Members (Adult) •Consumers (Adult) •Extension Homemakers (Adult) •Food Cupboard Directors •Food Pantry Volunteers (Youth) •Food Stamp Recipients (Adult) •Food Stamp Youth (Youth) •General Public (Adult) •Limited Income Public (Adult) •Limited Income Public (Youth) •Volunteers (Adult)

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

**1. Standard output measures**

**Target for the number of persons (contacts) reached through direct and indirect contact methods**

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
Plan	2120	1050	2060	0
2008	2286	11000	10846	0

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

**Patent Applications Submitted**

Year	Target
Plan:	0
2008 :	0

**Patents listed**

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

**Number of Peer Reviewed Publications**

	Extension	Research	Total
Plan	0	0	
2008	0	0	0

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

**Output Target**

**Output #1**

**Output Measure**

- Direct - Group Presentation  
*Not reporting on this Output for this Annual Report*

**Output #2**

**Output Measure**

- Direct - Applied Research  
*Not reporting on this Output for this Annual Report*

**Output #3**

**Output Measure**

- Direct - Collaborative or Cooperative Effort  
*Not reporting on this Output for this Annual Report*

**Output #4**

**Output Measure**

- Direct - Consultation; phone, written, in-person  
*Not reporting on this Output for this Annual Report*

**Output #5**

**Output Measure**

- Direct - Volunteer Training  
*Not reporting on this Output for this Annual Report*

**Output #6**

**Output Measure**

- Direct - Workshop - series  
*Not reporting on this Output for this Annual Report*

**Output #7**

**Output Measure**

- Direct - Workshop - single session  
*Not reporting on this Output for this Annual Report*

**Output #8**

**Output Measure**

- Indirect - Publication - newsletter  
*Not reporting on this Output for this Annual Report*

**Output #9**

**Output Measure**

- Direct - Consultation
 

Year	Target	Actual
2008	{No Data Entered}	12299

**Output #10**

**Output Measure**

- Direct - Educational Programs or Projects
 

Year	Target	Actual
2008	{No Data Entered}	100

**Output #11**

**Output Measure**

- Indirect - Professional, Peer-reviewed, or Refereed, Scholarship
 

Year	Target	Actual
2008	{No Data Entered}	7

**Output #12**

**Output Measure**

- Indirect - Publication in the Popular Media
 

Year	Target	Actual
2008	{No Data Entered}	4

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

O No.	OUTCOME NAME
1	Access relevant UMCE publications.
2	Demonstrate appropriate food safety practices
3	Demonstrate how to access community resources
4	Demonstrate how to access locally-grown foods
5	Demonstrate sustainable living skills
6	Describe HACCP principles
7	Describe USDA approved food preservation methods
8	Describe age-appropriate safety practices
9	Describe animal health programs
10	Describe community resources
11	Describe proper food handling practices
12	Describe the principles of a bio-security plan
13	Describe the risks of not handling food safely
14	Describe the value of consuming locally-produced food
15	Adopt HACCP and bio-security plans
16	Adopt behaviors to prevent or minimize complications of chronic disease
17	Adopt food safety practices
18	Adopt the USDA dietary guidelines and the food guide pyramid
19	Keep accurate records
20	Keep livestock healthy
21	Participate in Maine cattle health assurance program
22	Participate in Salmonella enteritidis surveillance program
23	Participate in livestock disease monitoring programs
24	Use relevant UMCE web-based resources
25	Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
26	Enhance the safety, sustainability, and dependability of Maine's food supply.
27	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
28	Demonstrate how to identify potential hazards
29	Demonstrate how to locate scientific information
30	Demonstrate how to test new storage techniques
31	Adopt appropriate handling and storage technologies
32	Adopt appropriate technologies
33	Develop educational programs that address health and safety issues
34	Operate equipment safely
35	Practice safety
36	Assume personal responsibility for health
37	Adopt HACCP and bio-security plans Adopt food safety practices Adopt appropriate handling and storage technologies

**Outcome #1**

**1. Outcome Measures**

Access relevant UMCE publications.

*Not reporting on this Outcome for this Annual Report*

**Outcome #2**

**1. Outcome Measures**

Demonstrate appropriate food safety practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #3**

**1. Outcome Measures**

Demonstrate how to access community resources

*Not reporting on this Outcome for this Annual Report*

**Outcome #4**

**1. Outcome Measures**

Demonstrate how to access locally-grown foods

*Not reporting on this Outcome for this Annual Report*

**Outcome #5**

**1. Outcome Measures**

Demonstrate sustainable living skills

*Not reporting on this Outcome for this Annual Report*

**Outcome #6**

**1. Outcome Measures**

Describe HACCP principles

*Not reporting on this Outcome for this Annual Report*

**Outcome #7**

**1. Outcome Measures**

Describe USDA approved food preservation methods

*Not reporting on this Outcome for this Annual Report*

**Outcome #8**

**1. Outcome Measures**

Describe age-appropriate safety practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #9**

**1. Outcome Measures**

Describe animal health programs

*Not reporting on this Outcome for this Annual Report*

**Outcome #10**

**1. Outcome Measures**

Describe community resources

*Not reporting on this Outcome for this Annual Report*

**Outcome #11**

**1. Outcome Measures**

Describe proper food handling practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #12**

**1. Outcome Measures**

Describe the principles of a bio-security plan

*Not reporting on this Outcome for this Annual Report*

**Outcome #13**

**1. Outcome Measures**

Describe the risks of not handling food safely

*Not reporting on this Outcome for this Annual Report*

**Outcome #14**

**1. Outcome Measures**

Describe the value of consuming locally-produced food

*Not reporting on this Outcome for this Annual Report*

**Outcome #15**

**1. Outcome Measures**

Adopt HACCP and bio-security plans

*Not reporting on this Outcome for this Annual Report*

**Outcome #16**

**1. Outcome Measures**

Adopt behaviors to prevent or minimize complications of chronic disease

*Not reporting on this Outcome for this Annual Report*

**Outcome #17**

**1. Outcome Measures**

Adopt food safety practices

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	2875	267

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
501	New and Improved Food Processing Technologies
504	Home and Commercial Food Service

**Outcome #18**

**1. Outcome Measures**

Adopt the USDA dietary guidelines and the food guide pyramid

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	160	249

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
704	Nutrition and Hunger in the Population

**Outcome #19**

**1. Outcome Measures**

Keep accurate records

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	45	112

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
504	Home and Commercial Food Service
704	Nutrition and Hunger in the Population

**Outcome #20**

**1. Outcome Measures**

Keep livestock healthy

*Not reporting on this Outcome for this Annual Report*

**Outcome #21**

**1. Outcome Measures**

Participate in Maine cattle health assurance program

*Not reporting on this Outcome for this Annual Report*

**Outcome #22**

**1. Outcome Measures**

Participate in Salmonella enteriditis surveillance program

*Not reporting on this Outcome for this Annual Report*

**Outcome #23**

**1. Outcome Measures**

Participate in livestock disease monitoring programs

*Not reporting on this Outcome for this Annual Report*

**Outcome #24**

**1. Outcome Measures**

Use relevant UMCE web-based resources

*Not reporting on this Outcome for this Annual Report*



**Outcome #25**

**1. Outcome Measures**

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.

*Not reporting on this Outcome for this Annual Report*

**Outcome #26**

**1. Outcome Measures**

Enhance the safety, sustainability, and dependability of Maine's food supply.

*Not reporting on this Outcome for this Annual Report*

**Outcome #27**

**1. Outcome Measures**

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

*Not reporting on this Outcome for this Annual Report*

**Outcome #28**

**1. Outcome Measures**

Demonstrate how to identify potential hazards

*Not reporting on this Outcome for this Annual Report*

**Outcome #29**

**1. Outcome Measures**

Demonstrate how to locate scientific information

*Not reporting on this Outcome for this Annual Report*

**Outcome #30**

**1. Outcome Measures**

Demonstrate how to test new storage techniques

*Not reporting on this Outcome for this Annual Report*

**Outcome #31**

**1. Outcome Measures**

Adopt appropriate handling and storage technologies

*Not reporting on this Outcome for this Annual Report*

**Outcome #32**

**1. Outcome Measures**

Adopt appropriate technologies

*Not reporting on this Outcome for this Annual Report*

**Outcome #33**

**1. Outcome Measures**

Develop educational programs that address health and safety issues

*Not reporting on this Outcome for this Annual Report*

**Outcome #34****1. Outcome Measures**

Operate equipment safely

*Not reporting on this Outcome for this Annual Report***Outcome #35****1. Outcome Measures**

Practice safety

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	50	328

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)****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
504	Home and Commercial Food Service
502	New and Improved Food Products
501	New and Improved Food Processing Technologies
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.

**Outcome #36****1. Outcome Measures**

Assume personal responsibility for health

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	30

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

**Issue (Who cares and Why)****What has been done****Results****4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
704	Nutrition and Hunger in the Population
504	Home and Commercial Food Service
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

**Outcome #37****1. Outcome Measures**

Adopt HACCP and bio-security plans Adopt food safety practices Adopt appropriate handling and storage technologies

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2008	{No Data Entered}	0

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

Cooking for Crowds: Maine has a rich history of public suppers at churches, granges, and food fundraising events that rely on the participation of volunteer cooks. The Centers for Disease Control and Prevention estimates that food-borne diseases cause approximately 76 million illnesses, 325,000 hospitalizations, and 5,000 deaths in the United States each year. The impact of food-borne illness in medical care expense, lost wages, and associated costs is estimated to be in the billions of dollars per year.

**What has been done**

To decrease the possibility of food-borne outbreaks, UMaine Extension educates volunteer cooks on the practice of safe food handling through Cooking for Crowds workshops. Participants gain critical skills to apply throughout the food handling processes, including planning, purchasing, storing, preparing, transporting, holding, serving, and handling leftovers.

**Results**

In the past year, 44 volunteer quantity cooks have attended workshops in southern Maine. The cooks are involved in the preparation of more than 211,000 food items that are served to the public each year. Long-term evaluations indicate that 90 percent of participants have improved practices, policies, and updated equipment to improve food safety and decrease the risk of a food borne outbreak. Participants are also expanding the use of safe practices by training others at their volunteer cooking sites.

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins

## **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
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration,new cultural groupings,etc.)

### **Brief Explanation**

## **V(I). Planned Program (Evaluation Studies and Data Collection)**

### **1. Evaluation Studies Planned**

- Retrospective (post program)
- Before-After (before and after program)
- Case Study
- Comparisons between program participants (individuals,group,organizations) and non-participants

### **Evaluation Results**

### **Key Items of Evaluation**

**Program #9**

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

**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
112	Watershed Protection and Management	10%		10%	
123	Management and Sustainability of Forest Resources	20%		20%	
124	Urban Forestry	5%		5%	
125	Agroforestry	10%		10%	
134	Outdoor Recreation	5%		5%	
135	Aquatic and Terrestrial Wildlife	20%		20%	
136	Conservation of Biological Diversity	20%		20%	
724	Healthy Lifestyle	10%		10%	
<b>Total</b>		100%		100%	

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

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

Year: 2008	Extension		Research	
	1862	1890	1862	1890
<b>Plan</b>	3.2	0.0	0.2	0.0
<b>Actual</b>	2.0	0.0	0.1	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
90603	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
339280	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
37434	0	0	0

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

**1. Brief description of the Activity**

•Annual Maple Schools •Forestry and Wildlife Program Support and Networking •Habitat Education for the Settled Landscape •Habitat Stewards Program •Maple Grading School •Non-timber Forest Products •Sawmill Operations and Technology-Course •Wood Measurement

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

•4-H Volunteers (Adult) •Agency Staff or Professionals (Adult) •Employees (Adult) •Forestland Owner - 2 to 10 acres (Adult) •Forestland Owner - Non-Industrial (Adult) •General Public (Adult) •Habitat Stewards (Adult) •Homeowners - up to 2 acres (Adult) •Maple Producers (Adult) •Student (Adult)

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

**1. Standard output measures**

**Target for the number of persons (contacts) reached through direct and indirect contact methods**

	<b>Direct Contacts Adults</b>	<b>Indirect Contacts Adults</b>	<b>Direct Contacts Youth</b>	<b>Indirect Contacts Youth</b>
<b>Year</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>
<b>Plan</b>	500	120276	42	0
2008	2364	0	0	0

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

**Patent Applications Submitted**

<b>Year</b>	<b>Target</b>
<b>Plan:</b>	0
2008 :	0

**Patents listed**

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

**Number of Peer Reviewed Publications**

	<b>Extension</b>	<b>Research</b>	<b>Total</b>
<b>Plan</b>	0	0	
2008	0	0	0

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

**Output Target**

**Output #1**

**Output Measure**

- Direct - Applied Research  
*Not reporting on this Output for this Annual Report*

**Output #2**

**Output Measure**

- Direct - Conference or symposium; Planning and/or participation  
*Not reporting on this Output for this Annual Report*

**Output #3**

**Output Measure**

- Direct - Consultation; phone, written, in-person  
*Not reporting on this Output for this Annual Report*

**Output #4**

**Output Measure**

- Direct - Course  
*Not reporting on this Output for this Annual Report*

**Output #5**

**Output Measure**

- Direct - Group Presentation  
*Not reporting on this Output for this Annual Report*

**Output #6**

**Output Measure**

- Direct - Public Presentation  
*Not reporting on this Output for this Annual Report*

**Output #7**

**Output Measure**

- Direct - Train-the-Trainer  
*Not reporting on this Output for this Annual Report*

**Output #8**

**Output Measure**

- Direct - Workshop - single session  
*Not reporting on this Output for this Annual Report*

**Output #9**

**Output Measure**

- Indirect - Publication  
*Not reporting on this Output for this Annual Report*

**Output #10**

**Output Measure**

- Indirect - Publication - fact sheet  
*Not reporting on this Output for this Annual Report*

**Output #11**

**Output Measure**

- Direct - Conference/Symposium
 

Year	Target	Actual
2008	{No Data Entered}	36

**Output #12**

**Output Measure**

- Direct - Consultation
 

Year	Target	Actual
2008	{No Data Entered}	180

**Output #13**

**Output Measure**

- Direct - Educational Programs or Projects

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<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	{No Data Entered}	726

**Output #14****Output Measure**

- Direct - Train the Trainer or Volunteer Training

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	{No Data Entered}	8



## V(G). State Defined Outcomes

## V. State Defined Outcomes Table of Content

O No.	OUTCOME NAME
1	Demonstrate appreciation of wildlife in home landscape
2	Demonstrate how to evaluate the credibility of scientific information
3	Demonstrate how to evaluate the potential of new and non-traditional crops and varieties for profitable production in Maine
4	Demonstrate how to locate information in multiple ways
5	Demonstrate how to test new production techniques
6	Demonstrate observation skills
7	Demonstrate project-related science or technology skills
8	Demonstrate sustainable living principles and practices
9	Describe an improved quality of life
10	Describe forest ecosystem processes
11	Describe freshwater ecosystem processes
12	Describe management strategies for forest ecosystems
13	Describe management strategies for freshwater ecosystems
14	Describe practices that improve efficiency, reduce inputs, or increase profitability
15	Describe principles of wildlife habitat management
16	Describe wildlife habitat components
17	Describe wildlife survival needs
18	Adopt appropriate practices
19	Adopt appropriate technologies
20	Conduct community service or outreach
21	Improve cover or shelter for wildlife
22	Improve food availability for wildlife
23	Improve water availability for wildlife
24	Increase purchase of Maine products
25	Increase use of Maine-produced natural resources
26	Make better decision regarding natural resource management
27	Make better decisions using science and technology skills
28	Protect or conserve biodiversity and habitat including native plant and animal species
29	Reduce pesticide use
30	Start viable alternative enterprises based on sustainable use of natural resources (forest, marine, agriculture)
31	Use relevant UMCE web-based resources
32	Use services of natural resource professionals
33	Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
34	Increase the economic and social viability and sustainability of Maine communities.
35	Protect and enhance Maine's natural resources and environment through sustainable stewardship.
36	Access relevant UMCE web-based resources
37	Demonstrate basic business management skills
38	Demonstrate how to analyze records for decision making
39	Describe record keeping and record keeping systems
40	Acres managed as wildlife habitat
41	Adopt new crop

42	Create demonstration model
43	Develop a marketing plan
44	Develop marketing tools
45	Develop new products
46	Evaluate the potential of new and non-traditional crops and varieties for profitable production in Maine
47	Expand and enhance markets
48	Grow trialed plants
49	Increase demand for Maine products
50	Secure resources
51	Test new production techniques
52	Use new technologies
53	Increase profits by at least 10%
54	Develop environmentally sound technologies and practices
55	Improve crop quality and marketability
56	Pounds of food donated
57	Use relevant UMaine Extension web-based resources
58	Improve production and quality of crops
59	Make better decision regarding natural resource management Protect or conserve biodiversity and habitat including native plant and animal species Develop environmentally sound technologies and practices

**Outcome #1**

**1. Outcome Measures**

Demonstrate appreciation of wildlife in home landscape  
*Not reporting on this Outcome for this Annual Report*

**Outcome #2**

**1. Outcome Measures**

Demonstrate how to evaluate the credibility of scientific information  
*Not reporting on this Outcome for this Annual Report*

**Outcome #3**

**1. Outcome Measures**

Demonstrate how to evaluate the potential of new and non-traditional crops and varieties for profitable production in Maine  
*Not reporting on this Outcome for this Annual Report*

**Outcome #4**

**1. Outcome Measures**

Demonstrate how to locate information in multiple ways  
*Not reporting on this Outcome for this Annual Report*

**Outcome #5**

**1. Outcome Measures**

Demonstrate how to test new production techniques  
*Not reporting on this Outcome for this Annual Report*

**Outcome #6**

**1. Outcome Measures**

Demonstrate observation skills  
*Not reporting on this Outcome for this Annual Report*

**Outcome #7**

**1. Outcome Measures**

Demonstrate project-related science or technology skills  
*Not reporting on this Outcome for this Annual Report*

**Outcome #8**

**1. Outcome Measures**

Demonstrate sustainable living principles and practices  
*Not reporting on this Outcome for this Annual Report*

**Outcome #9**

**1. Outcome Measures**

Describe an improved quality of life  
*Not reporting on this Outcome for this Annual Report*

**Outcome #10**

**1. Outcome Measures**

Describe forest ecosystem processes

*Not reporting on this Outcome for this Annual Report*

**Outcome #11**

**1. Outcome Measures**

Describe freshwater ecosystem processes

*Not reporting on this Outcome for this Annual Report*

**Outcome #12**

**1. Outcome Measures**

Describe management strategies for forest ecosystems

*Not reporting on this Outcome for this Annual Report*

**Outcome #13**

**1. Outcome Measures**

Describe management strategies for freshwater ecosystems

*Not reporting on this Outcome for this Annual Report*

**Outcome #14**

**1. Outcome Measures**

Describe practices that improve efficiency, reduce inputs, or increase profitability

*Not reporting on this Outcome for this Annual Report*

**Outcome #15**

**1. Outcome Measures**

Describe principles of wildlife habitat management

*Not reporting on this Outcome for this Annual Report*

**Outcome #16**

**1. Outcome Measures**

Describe wildlife habitat components

*Not reporting on this Outcome for this Annual Report*

**Outcome #17**

**1. Outcome Measures**

Describe wildlife survival needs

*Not reporting on this Outcome for this Annual Report*

**Outcome #18**

**1. Outcome Measures**

Adopt appropriate practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #19**

**1. Outcome Measures**

Adopt appropriate technologies

*Not reporting on this Outcome for this Annual Report*

**Outcome #20**

**1. Outcome Measures**

Conduct community service or outreach

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	50	2045

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle

**Outcome #21**

**1. Outcome Measures**

Improve cover or shelter for wildlife

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	150	136

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
124	Urban Forestry
135	Aquatic and Terrestrial Wildlife

**Outcome #22**

**1. Outcome Measures**

Improve food availability for wildlife

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	150	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
124	Urban Forestry
135	Aquatic and Terrestrial Wildlife

**Outcome #23**

**1. Outcome Measures**

Improve water availability for wildlife

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	100	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
124	Urban Forestry
135	Aquatic and Terrestrial Wildlife

**Outcome #24**

**1. Outcome Measures**

Increase purchase of Maine products

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	10	76

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
125	Agroforestry
123	Management and Sustainability of Forest Resources

**Outcome #25**

**1. Outcome Measures**

Increase use of Maine-produced natural resources

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	30	10

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
123	Management and Sustainability of Forest Resources
125	Agroforestry

**Outcome #26**

**1. Outcome Measures**

Make better decision regarding natural resource management

*Not reporting on this Outcome for this Annual Report*

**Outcome #27**

**1. Outcome Measures**

Make better decisions using science and technology skills

*Not reporting on this Outcome for this Annual Report*

**Outcome #28**

**1. Outcome Measures**

Protect or conserve biodiversity and habitat including native plant and animal species

**2. Associated Institution Types**

•1862 Extension



**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	120	137

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
124	Urban Forestry
136	Conservation of Biological Diversity

**Outcome #29**

**1. Outcome Measures**

Reduce pesticide use

*Not reporting on this Outcome for this Annual Report*

**Outcome #30**

**1. Outcome Measures**

Start viable alternative enterprises based on sustainable use of natural resources (forest, marine, agriculture)

*Not reporting on this Outcome for this Annual Report*

**Outcome #31**

**1. Outcome Measures**

Use relevant UMCE web-based resources

*Not reporting on this Outcome for this Annual Report*

**Outcome #32**

**1. Outcome Measures**

Use services of natural resource professionals

*Not reporting on this Outcome for this Annual Report*

**Outcome #33**

**1. Outcome Measures**

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.

*Not reporting on this Outcome for this Annual Report*

**Outcome #34**

**1. Outcome Measures**

Increase the economic and social viability and sustainability of Maine communities.

*Not reporting on this Outcome for this Annual Report*

**Outcome #35**

**1. Outcome Measures**

Protect and enhance Maine's natural resources and environment through sustainable stewardship.

*Not reporting on this Outcome for this Annual Report*

**Outcome #36**

**1. Outcome Measures**

Access relevant UMCE web-based resources

*Not reporting on this Outcome for this Annual Report*

**Outcome #37**

**1. Outcome Measures**

Demonstrate basic business management skills

*Not reporting on this Outcome for this Annual Report*

**Outcome #38**

**1. Outcome Measures**

Demonstrate how to analyze records for decision making

*Not reporting on this Outcome for this Annual Report*

**Outcome #39**

**1. Outcome Measures**

Describe record keeping and record keeping systems

*Not reporting on this Outcome for this Annual Report*

**Outcome #40**

**1. Outcome Measures**

Acres managed as wildlife habitat

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	2000	191

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
124	Urban Forestry

**Outcome #41**

**1. Outcome Measures**

Adopt new crop

*Not reporting on this Outcome for this Annual Report*

**Outcome #42**

**1. Outcome Measures**

Create demonstration model

*Not reporting on this Outcome for this Annual Report*

**Outcome #43**

**1. Outcome Measures**

Develop a marketing plan

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	5	229

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
123	Management and Sustainability of Forest Resources
125	Agroforestry

**Outcome #44**

**1. Outcome Measures**

Develop marketing tools

*Not reporting on this Outcome for this Annual Report*

#### **Outcome #45**

##### **1. Outcome Measures**

Develop new products

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

•1862 Extension

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

Change in Action Outcome Measure

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

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2008	5	20

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

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

<b>KA Code</b>	<b>Knowledge Area</b>
125	Agroforestry

#### **Outcome #46**

##### **1. Outcome Measures**

Evaluate the potential of new and non-traditional crops and varieties for profitable production in Maine

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

•1862 Extension

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

Change in Action Outcome Measure

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

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2008	10	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
125	Agroforestry

**Outcome #47**

**1. Outcome Measures**

Expand and enhance markets

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	5	290

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
123	Management and Sustainability of Forest Resources
125	Agroforestry

**Outcome #48**

**1. Outcome Measures**

Grow trialed plants

*Not reporting on this Outcome for this Annual Report*

**Outcome #49**

**1. Outcome Measures**

Increase demand for Maine products

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	10	14

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
125	Agroforestry
123	Management and Sustainability of Forest Resources

**Outcome #50**

**1. Outcome Measures**

Secure resources

*Not reporting on this Outcome for this Annual Report*

**Outcome #51**

**1. Outcome Measures**

Test new production techniques

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	5	235

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
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123 Management and Sustainability of Forest Resources  
 125 Agroforestry

**Outcome #52**

**1. Outcome Measures**

Use new technologies

*Not reporting on this Outcome for this Annual Report*

**Outcome #53**

**1. Outcome Measures**

Increase profits by at least 10%

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	14

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
125	Agroforestry
134	Outdoor Recreation
123	Management and Sustainability of Forest Resources

**Outcome #54**

**1. Outcome Measures**

Develop environmentally sound technologies and practices

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	556

**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
136	Conservation of Biological Diversity
123	Management and Sustainability of Forest Resources
134	Outdoor Recreation
124	Urban Forestry
125	Agroforestry

**Outcome #55**

**1. Outcome Measures**

Improve crop quality and marketability

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	780

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
134	Outdoor Recreation
136	Conservation of Biological Diversity
123	Management and Sustainability of Forest Resources

**Outcome #56**

**1. Outcome Measures**

Pounds of food donated

*Not reporting on this Outcome for this Annual Report*

**Outcome #57**



**1. Outcome Measures**

Use relevant UMaine Extension web-based resources

*Not reporting on this Outcome for this Annual Report*

**Outcome #58**

**1. Outcome Measures**

Improve production and quality of crops

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	352

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
124	Urban Forestry
136	Conservation of Biological Diversity
125	Agroforestry
123	Management and Sustainability of Forest Resources

**Outcome #59**

**1. Outcome Measures**

Make better decision regarding natural resource management Protect or conserve biodiversity and habitat including native plant and animal species  
Develop environmentally sound technologies and practices

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	0

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

**Issue (Who cares and Why)**

Value Added Forest Products: Due to an increasing demand for Maine produced value-added forest products, entrepreneurs and forest owners are seeking assistance in developing woodlot management strategies to increase production of value-added products.

**What has been done**

Five geographically diverse workshops for woodlot owners and managers provided people with information on product development, business planning, forest management, market research, non-timber forest products, and invasive species. The workshops were presented by UMaine Extension, the State of Maine Forest Service, the U.S. Forest Service, the Small Woodland Owners Association of Maine, and the Natural Resources Conservation Service. Participants attended from around the state and Canada.

**Results**

Participants in this year's workshops control an estimated 1,200 of working forestland in Western Maine. As a result of the workshops one participant started a new forest-products related business, one expanded his/her existing business and two are in the information gathering stage in order to begin a new business. Of the 16 participants in this year's workshops, 20 percent of participants increased their woodlot value. Further, a post-series evaluation showed that as a result of attending the workshops:

- 71 percent of participants removed or will remove trees to improve the value of their woodlot;
- 42 percent of participants will write and implement a management plan, making them eligible for substantial property tax savings;
- 55 percent of participants plan to develop non-timber forest products to supplement their income;
- 54 percent of participants eliminated invasive species; and
- 77 percent of participants identified and understand the value of specialty trees on their woodlot

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
124	Urban Forestry
123	Management and Sustainability of Forest Resources
136	Conservation of Biological Diversity
125	Agroforestry

**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
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

**Brief Explanation****V(I). Planned Program (Evaluation Studies and Data Collection)****1. Evaluation Studies Planned**

- Retrospective (post program)
- Before-After (before and after program)
- Comparisons between program participants (individuals, group, organizations) and non-participants
- Comparisons between different groups of individuals or program participants experiencing different levels of program intensity.

**Evaluation Results**

**Key Items of Evaluation**

**Program #10**

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

**1. Name of the Planned Program**

Health Literacy, Disease, and Our Health Care System

**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%			
803	Sociological and Technological Change Affecting Individuals, Families and Communities	15%			
805	Community Institutions, Health, and Social Services	65%			
	<b>Total</b>	100%			

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

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

Year: 2008	Extension		Research	
	1862	1890	1862	1890
<b>Plan</b>	1.1	0.0	0.4	0.0
<b>Actual</b>	0.5	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
0	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
78615	0	0	0

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

**1. Brief description of the Activity**

•Senior Companion Program Training

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

•Senior Companion Program Clients (Adult)    •Senior Companion Program Volunteers (Adult)

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

**1. Standard output measures**

**Target for the number of persons (contacts) reached through direct and indirect contact methods**

	<b>Direct Contacts Adults</b>	<b>Indirect Contacts Adults</b>	<b>Direct Contacts Youth</b>	<b>Indirect Contacts Youth</b>
<b>Year</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>
<b>Plan</b>	335	4	0	0
2008	611	0	0	0

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

**Patent Applications Submitted**

<b>Year</b>	<b>Target</b>
<b>Plan:</b>	0
2008 :	0

**Patents listed**

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

**Number of Peer Reviewed Publications**

	<b>Extension</b>	<b>Research</b>	<b>Total</b>
<b>Plan</b>	0	0	
2008	0	0	0

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

**Output Target**

**Output #1**

**Output Measure**

- Direct - Applied Research

*Not reporting on this Output for this Annual Report*

**Output #2**

**Output Measure**

- Direct - Collaborative or Cooperative Effort

*Not reporting on this Output for this Annual Report*

**Output #3**

**Output Measure**

- Direct - Volunteer Training

*Not reporting on this Output for this Annual Report*

**Output #4**

**Output Measure**

- Indirect - Applied Research

*Not reporting on this Output for this Annual Report*

**Output #5**

**Output Measure**

- Direct - Train the Trainer or Volunteer Training

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	{No Data Entered}	1

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

<b>O No.</b>	<b>OUTCOME NAME</b>
1	Create a Community Vision Statement.
2	Demonstrate age-appropriate relationship skills
3	Demonstrate how to conduct community needs assessment
4	Demonstrate improved communication skills
5	Describe home modifications that can be made to promote independent living
6	Adopt effective communication skills
7	Develop relationships that support independent living
8	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
9	Increase the economic and social viability and sustainability of Maine communities.
10	Describe action and results planning techniques
11	Describe asset- based community development techniques or practices
12	Assess community needs
13	Develop a shared vision for the future
14	Facilitate planning and decision-making processes that create and sustain healthy communities
15	Inventory community assets
16	Use a collaborative process or approach
17	Teach others to take leadership and facilitation roles

**Outcome #1**

**1. Outcome Measures**

Create a Community Vision Statement.

*Not reporting on this Outcome for this Annual Report*

**Outcome #2**

**1. Outcome Measures**

Demonstrate age-appropriate relationship skills

*Not reporting on this Outcome for this Annual Report*

**Outcome #3**

**1. Outcome Measures**

Demonstrate how to conduct community needs assessment

*Not reporting on this Outcome for this Annual Report*

**Outcome #4**

**1. Outcome Measures**

Demonstrate improved communication skills

*Not reporting on this Outcome for this Annual Report*

**Outcome #5**

**1. Outcome Measures**

Describe home modifications that can be made to promote independent living

*Not reporting on this Outcome for this Annual Report*

**Outcome #6**

**1. Outcome Measures**

Adopt effective communication skills

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	75	210

**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
803	Sociological and Technological Change Affecting Individuals, Families and Communities

**Outcome #7****1. Outcome Measures**

Develop relationships that support independent living

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	75	107

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

A Matter of Balance: According to the National Center for Injury Prevention and Control, more than one-third of adults ages 65 years and older fall each year, and account for over 70 percent of accidental deaths. In 1991, Medicare costs for hip fractures were estimated to be \$ 2.9 billion. Falling can result in numerous adverse outcomes that require additional intervention, increasing cost of care. There is strong evidence that fall prevention programs can improve balance and reduce falls.

**What has been done**

The Matter of Balance Fall Prevention Program helps to provide participants with interventions that improve their balance and flexibility, and helps to reduce the risk from falls and related injuries that affect health costs and quality of life. Matter of Balance was taught in Washington County, Maine to more than 50 older adults; and the Matter of Balance Lay Leaders course was taught to 36 volunteer coaches across Maine, enabling them to offer the course in their own communities.

**Results**

During the past year, 36 volunteer coaches initiated dozens of new Matter of Balance Programs throughout the state of Maine. During our first year, more than 100 older adults have participated in these offerings. With falls being the leading cause of accidental death for adults over 65, the Matter of Balance Programs has minimized the potential for accident and injuries that might otherwise result hospitalization, long-term care, loss of independence, and death at a cost of millions.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families and Communities
805	Community Institutions, Health, and Social Services

**Outcome #8****1. Outcome Measures**

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

*Not reporting on this Outcome for this Annual Report*

**Outcome #9**



**1. Outcome Measures**

Increase the economic and social viability and sustainability of Maine communities.

*Not reporting on this Outcome for this Annual Report*

**Outcome #10**

**1. Outcome Measures**

Describe action and results planning techniques

*Not reporting on this Outcome for this Annual Report*

**Outcome #11**

**1. Outcome Measures**

Describe asset- based community development techniques or practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #12**

**1. Outcome Measures**

Assess community needs

*Not reporting on this Outcome for this Annual Report*

**Outcome #13**

**1. Outcome Measures**

Develop a shared vision for the future

*Not reporting on this Outcome for this Annual Report*

**Outcome #14**

**1. Outcome Measures**

Facilitate planning and decision-making processes that create and sustain healthy communities

*Not reporting on this Outcome for this Annual Report*

**Outcome #15**

**1. Outcome Measures**

Inventory community assets

*Not reporting on this Outcome for this Annual Report*

**Outcome #16**

**1. Outcome Measures**

Use a collaborative process or approach

*Not reporting on this Outcome for this Annual Report*

**Outcome #17**

**1. Outcome Measures**

Teach others to take leadership and facilitation roles

*Not reporting on this Outcome for this Annual Report*

## **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
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration,new cultural groupings,etc.)

### **Brief Explanation**

## **V(I). Planned Program (Evaluation Studies and Data Collection)**

### **1. Evaluation Studies Planned**

- Retrospective (post program)
- Before-After (before and after program)
- During (during program)

### **Evaluation Results**

### **Key Items of Evaluation**

**Program #11**

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

**1. Name of the Planned Program**

Healthy Lifestyles

**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%		50%	
724	Healthy Lifestyle	10%		10%	
801	Individual and Family Resource Management	10%		10%	
802	Human Development and Family Well-Being	20%		20%	
803	Sociological and Technological Change Affecting Individuals, Families and Communities	10%		10%	
<b>Total</b>		<b>100%</b>		<b>100%</b>	

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

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

Year: 2008	Extension		Research	
	1862	1890	1862	1890
<b>Plan</b>	8.2	0.0	0.6	0.0
<b>Actual</b>	7.6	0.0	0.4	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
161019	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
389869	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
1166956	0	0	0

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

**1. Brief description of the Activity**

•"Figure"-ing Out Fats" •4-H Animal Clinics and Fairs •4-H Club Program •4-H Out of School Programs •4-H Statewide Special Events (Maine 4-H Days, Maine EDGE conference, Teen Conferences) •Babysitter's Training •Body Image and Dieting in Youth •Building the Capacity of Senior Companion Program Aides •Bullying Prevention •Community Based Participatory Research •Consultations - Health Issues •Cooking for a Crowd •Developing Skills for Diverse Learning Abilities •Dietary Guidelines for Americans, Presentations •Dietary Guidelines for Americans, Publications •Eat Well Newsletter •Eat Well Nutrition Associate Training •Educational Opportunities for All Learning Styles •Effective Partnerships •EFNEP Food Resource Management •EFNEP Nutrition Practices •EFNEP Physical Activity •Extension Homemakers •Food Safety and Nutrition Workshops, Newsletters, Consultations •Food Safety and Preservation Workshop •Food Safety Public Presentations •Health and Nutrition (Display or Exhibit) •Health and Nutrition (Group Presentation) •Health and Nutrition (Train the trainer) •Health and Nutrition (Workshops) •Healthy Lifestyles - Media Literacy •Home Visits With New Parents •Maine Family Nutrition Program Food Resource Management •Maine Family Nutrition Program Nutrition Practices •Maine Family Nutrition Program Physical Activity •Methods of Cooking For Health •MyPyramid Fact Sheet Series •Nutrition Workshop •Nutrition Related (refereed journal article) •Nutrition, Food and Physical Activity Symposium •Prevention of youth overweight •Professional Development for Home Visitors •Provide healthy lifestyles training to new parent educators in the Parents Are Teachers Too model •Senior Companion Program •Techni-Kids on the Move! and Moving Matters •The Heart Truth Campaign: Serious Messages about Women and Heart Disease •Tractor Safety Training •Wellness Sessions

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

•4-H Community or Project Clubs Participants (Youth) •4-H Leaders (Adult) •4-H Members (Youth) •4-H Special Interest or Short-Term Program Participants (Youth) •4-H Volunteers (Adult) •Agency Staff or Professionals (Adult) •Agricultural Producers (Adult) •Care Providers for Children (Adult) •Care Providers for Seniors or Elders (Adult) •Coalition Members (Adult) •Community Leaders (Adult) •Community Members (Adult) •Community Members (Youth) •Community Organization Members or Staff (Adult) •Consumers (Adult) •Consumers (Youth) •County Executive Committee Members (Adult) •Extension - all staff (Adult) •Extension Faculty (Adult) •Extension Homemakers (Adult) •Extension Professionals (Adult) •Families (Adult) •Food Stamp Recipients (Adult) •Food Stamp Youth (Youth) •General Public (Adult) •General Public (Youth) •Grandparents (Adult) •Health Care Providers (Adult) •Limited Income Public (Adult) •Limited Income Public (Youth) •Master Gardener Volunteers (Adult) •Nutrition Associates (Adult) •Parent Educators (Adult) •Parents (Adult) •School Enrichment Program Participants (Youth) •Senior Companion Program Clients (Adult) •Senior Companion Program Staff (Adult) •Senior Companion Program Volunteers (Adult) •Social Service Providers (Adult) •Student (Adult) •Students (Youth) •Teachers (Adult) •Volunteers (Adult)

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

**1. Standard output measures**

**Target for the number of persons (contacts) reached through direct and indirect contact methods**

	<b>Direct Contacts Adults</b>	<b>Indirect Contacts Adults</b>	<b>Direct Contacts Youth</b>	<b>Indirect Contacts Youth</b>
<b>Year</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>
<b>Plan</b>	10150	28350	5600	50
2008	6043	17228	24245	0

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

**Patent Applications Submitted**

**Year Target**  
**Plan:** 0  
 2008 : 0

**Patents listed**

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

**Number of Peer Reviewed Publications**

	<b>Extension</b>	<b>Research</b>	<b>Total</b>
<b>Plan</b>	0	0	
2008	0	0	0

**V(F). State Defined Outputs****Output Target****Output #1****Output Measure**

- Direct - 4-H Day Camp

*Not reporting on this Output for this Annual Report*

**Output #2****Output Measure**

- Direct - 4-H School Enrichment

*Not reporting on this Output for this Annual Report*

**Output #3****Output Measure**

- Direct - Collaborative or Cooperative Effort

Year	Target	Actual
2008	10100	48

**Output #4****Output Measure**

- Direct - Consultation; phone, written, in-person

*Not reporting on this Output for this Annual Report*

**Output #5****Output Measure**

- Direct - Course

*Not reporting on this Output for this Annual Report*

**Output #6****Output Measure**

- Direct - Group Presentation

*Not reporting on this Output for this Annual Report*

**Output #7****Output Measure**

- Direct - Public Presentation

*Not reporting on this Output for this Annual Report*

**Output #8****Output Measure**

- Direct - Train-the-Trainer

*Not reporting on this Output for this Annual Report*

**Output #9****Output Measure**

- Direct - Workshop - series

*Not reporting on this Output for this Annual Report*

**Output #10****Output Measure**

- Direct - Workshop - single session

*Not reporting on this Output for this Annual Report*

**Output #11****Output Measure**

- Indirect - Display or Exhibit

*Not reporting on this Output for this Annual Report*

**Output #12****Output Measure**

- Indirect - Publication - fact sheet

*Not reporting on this Output for this Annual Report*

**Output #13****Output Measure**

- Indirect - Publication - newsletter

*Not reporting on this Output for this Annual Report*

**Output #14****Output Measure**

- Direct - 4-H Club - Project

*Not reporting on this Output for this Annual Report*

**Output #15****Output Measure**

- Direct - 4-H Club, Camp, Project, Program

Year	Target	Actual
2008	{No Data Entered}	81

**Output #16****Output Measure**

- Direct - Consultation

Year	Target	Actual
2008	{No Data Entered}	25391

**Output #17****Output Measure**

- Direct - Educational Programs or Projects

Year	Target	Actual
2008	{No Data Entered}	381

**Output #18****Output Measure**

- Direct - Scholarship

Year	Target	Actual
2008	{No Data Entered}	1

**Output #19****Output Measure**

- Direct - Train the Trainer or Volunteer Training

Year	Target	Actual
2008	{No Data Entered}	20

**Output #20****Output Measure**

- Indirect - Media and Internet

Year	Target	Actual
2008	{No Data Entered}	3

**Output #21****Output Measure**

- Indirect - Professional, Peer-reviewed, or Refereed, Scholarship

Year	Target	Actual
2008	{No Data Entered}	4

**Output #22****Output Measure**

- Indirect - Publication in the Popular Media

Year	Target	Actual
2008	{No Data Entered}	44

## V(G). State Defined Outcomes

## V. State Defined Outcomes Table of Content

O No.	OUTCOME NAME
1	Develop literacy and critical thinking skills
2	Develop skills that promote healthy relationships
3	Distribute nutrition education materials and promotional information about the Maine Family Nutrition Program
4	Express good feeling about self
5	Integrate regular physical activity into daily life
6	Keep accurate records
7	Make better decisions
8	Make better decisions regarding health and health care
9	Make better decisions regarding healthy lifestyle
10	Make better decisions regarding healthy lifestyle using improved literacy and critical thinking skills
11	Manage family resources in alignment with goals
12	Model positive group behavior to others
13	Practice safety
14	Provide learning opportunities for groups or organizations
15	Provide training and technical assistance in analyzing and assessing community health issues and policies
16	Reduce or eliminate gender stereotyping
17	Teach others to take leadership and facilitation roles
18	Treat all people with dignity and respect
19	Use relevant UMCE web-based resources
20	Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
21	Enhance the safety, sustainability, and dependability of Maine's food supply
22	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
23	Increase the economic and social viability and sustainability of Maine communities.
24	Demonstrate age-appropriate preventive health practices
25	Demonstrate appropriate food safety practices
26	Demonstrate healthy lifestyle practices
27	Demonstrate how to access community resources
28	Demonstrate how to allocate scarce or limited resources
29	Demonstrate how to care for and nurture others
30	Demonstrate how to confront disrespectful behavior
31	Demonstrate how to create new media that promotes positive human development
32	Demonstrate how to create safe spaces
33	Demonstrate how to critically discern the impacts of media
34	Demonstrate how to keep good records
35	Demonstrate how to make informed financial decisions
36	Demonstrate how to prevent bullying behavior
37	Demonstrate how to respect others
38	Demonstrate how to support development of whole people
39	Demonstrate how to use the "train-the-trainer" model
40	Demonstrate how to use the USDA dietary guidelines and Food Guide pyramid to plan menus or choose foods
41	Demonstrate safe behavior and safety practices

42	Describe USDA approved food preservation methods
43	Describe age-appropriate safety practices
44	Describe gender stereotypes and their effects
45	Describe healthy lifestyle choices
46	Describe how personal behaviors influence the risk of chronic disease
47	Describe how to integrate regular physical activity into daily lives
48	Describe proper food handling practices
49	Describe the benefits of physical activity
50	Describe the impact of cultural and media messages
51	Describe the risks of not handling food safely
52	Describe the value of community involvement and civic participation
53	Describe the value of consuming locally-produced food
54	Describe ways to observe, explore, and experience nature
55	Adopt behaviors to prevent or minimize complications of chronic disease
56	Adopt food safety practices
57	Adopt record-keeping system
58	Adopt the USDA dietary guidelines and the food guide pyramid
59	Assume personal responsibility for health
60	Conduct community-based education that encourages healthy individual and family behaviors
61	Confront disrespectful behaviors
62	Create learning opportunities based on principles of positive human development
63	Demonstrate group process skills
64	Demonstrate how to address local health and healthcare concerns
65	Demonstrate how to assess community health concerns
66	Demonstrate how to create educational situations that honor all learning styles
67	Demonstrate how to create effective partnerships
68	Demonstrate how to encourage others to make healthy lifestyle choices
69	Demonstrate how to evaluate the credibility and relevance of public information
70	Demonstrate how to expand health-related resources for people and communities
71	Demonstrate how to locate credible health information
72	Demonstrate how to operate farm equipment safely
73	Describe age-appropriate preventative health practices
74	Describe group facilitation techniques
75	Describe roles in managing chronic disease
76	Avoid consumer fraud and financial exploitation
77	Conduct educational activities through cooperative or collaborative effort
78	Create and sustain effective partnerships and collaborations
79	Use a collaborative process or approach
80	Adopt effective communication skills
81	Conduct community service or outreach
82	Create safe and empowering learning opportunities
83	Engage positively in their community
84	Work productively in a team
85	Integrate regular physical activity into daily life Make better decisions regarding health and health care Make better decisions regarding healthy lifestyle Model positive group behavior to others
86	Make better decisions regarding health and health care Make better decisions regarding healthy lifestyle Make better decisions regarding healthy lifestyle using improved literacy and critical thinking skills





**Outcome #1**

**1. Outcome Measures**

Develop literacy and critical thinking skills

*Not reporting on this Outcome for this Annual Report*

**Outcome #2**

**1. Outcome Measures**

Develop skills that promote healthy relationships

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	150	2982

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
703	Nutrition Education and Behavior
802	Human Development and Family Well-Being
724	Healthy Lifestyle

**Outcome #3**

**1. Outcome Measures**

Distribute nutrition education materials and promotional information about the Maine Family Nutrition Program

*Not reporting on this Outcome for this Annual Report*

**Outcome #4**

**1. Outcome Measures**

Express good feeling about self

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	40	88

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle

**Outcome #5**

**1. Outcome Measures**

Integrate regular physical activity into daily life

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	2700	583

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
703	Nutrition Education and Behavior
724	Healthy Lifestyle

**Outcome #6**

**1. Outcome Measures**

Keep accurate records

*Not reporting on this Outcome for this Annual Report*

### **Outcome #7**

#### **1. Outcome Measures**

Make better decisions

*Not reporting on this Outcome for this Annual Report*

### **Outcome #8**

#### **1. Outcome Measures**

Make better decisions regarding health and health care

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

•1862 Extension

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

Change in Action Outcome Measure

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

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2008	50	84

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

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

<b>KA Code</b>	<b>Knowledge Area</b>
724	Healthy Lifestyle
802	Human Development and Family Well-Being
703	Nutrition Education and Behavior

### **Outcome #9**

#### **1. Outcome Measures**

Make better decisions regarding healthy lifestyle

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

•1862 Extension

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

Change in Action Outcome Measure

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

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2008	2500	1773

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle
703	Nutrition Education and Behavior

**Outcome #10**

**1. Outcome Measures**

Make better decisions regarding healthy lifestyle using improved literacy and critical thinking skills  
*Not reporting on this Outcome for this Annual Report*

**Outcome #11**

**1. Outcome Measures**

Manage family resources in alignment with goals  
*Not reporting on this Outcome for this Annual Report*

**Outcome #12**

**1. Outcome Measures**

Model positive group behavior to others  
*Not reporting on this Outcome for this Annual Report*

**Outcome #13**

**1. Outcome Measures**

Practice safety

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	90	328

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle

**Outcome #14**

**1. Outcome Measures**

Provide learning opportunities for groups or organizations  
*Not reporting on this Outcome for this Annual Report*

**Outcome #15**

**1. Outcome Measures**

Provide training and technical assistance in analyzing and assessing community health issues and policies  
*Not reporting on this Outcome for this Annual Report*

**Outcome #16**

**1. Outcome Measures**

Reduce or eliminate gender stereotyping  
*Not reporting on this Outcome for this Annual Report*

**Outcome #17**

**1. Outcome Measures**

Teach others to take leadership and facilitation roles

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	13	203

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
803	Sociological and Technological Change Affecting Individuals, Families and Communities

**Outcome #18**

**1. Outcome Measures**

Treat all people with dignity and respect

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	50	1542

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle

**Outcome #19**

**1. Outcome Measures**

Use relevant UMCE web-based resources

*Not reporting on this Outcome for this Annual Report*

**Outcome #20**

**1. Outcome Measures**

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.

*Not reporting on this Outcome for this Annual Report*

**Outcome #21**

**1. Outcome Measures**

Enhance the safety, sustainability, and dependability of Maine's food supply

*Not reporting on this Outcome for this Annual Report*

**Outcome #22**

**1. Outcome Measures**

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

*Not reporting on this Outcome for this Annual Report*

**Outcome #23**

**1. Outcome Measures**

Increase the economic and social viability and sustainability of Maine communities.

*Not reporting on this Outcome for this Annual Report*

**Outcome #24**

**1. Outcome Measures**

Demonstrate age-appropriate preventive health practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #25**

**1. Outcome Measures**

Demonstrate appropriate food safety practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #26**

**1. Outcome Measures**

Demonstrate healthy lifestyle practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #27**

**1. Outcome Measures**

Demonstrate how to access community resources

*Not reporting on this Outcome for this Annual Report*

**Outcome #28**

**1. Outcome Measures**

Demonstrate how to allocate scarce or limited resources

*Not reporting on this Outcome for this Annual Report*

**Outcome #29**

**1. Outcome Measures**

Demonstrate how to care for and nurture others

*Not reporting on this Outcome for this Annual Report*

**Outcome #30**

**1. Outcome Measures**

Demonstrate how to confront disrespectful behavior

*Not reporting on this Outcome for this Annual Report*

**Outcome #31**

**1. Outcome Measures**

Demonstrate how to create new media that promotes positive human development

*Not reporting on this Outcome for this Annual Report*

**Outcome #32**



**1. Outcome Measures**

Demonstrate how to create safe spaces

*Not reporting on this Outcome for this Annual Report*

**Outcome #33**

**1. Outcome Measures**

Demonstrate how to critically discern the impacts of media

*Not reporting on this Outcome for this Annual Report*

**Outcome #34**

**1. Outcome Measures**

Demonstrate how to keep good records

*Not reporting on this Outcome for this Annual Report*

**Outcome #35**

**1. Outcome Measures**

Demonstrate how to make informed financial decisions

*Not reporting on this Outcome for this Annual Report*

**Outcome #36**

**1. Outcome Measures**

Demonstrate how to prevent bullying behavior

*Not reporting on this Outcome for this Annual Report*

**Outcome #37**

**1. Outcome Measures**

Demonstrate how to respect others

*Not reporting on this Outcome for this Annual Report*

**Outcome #38**

**1. Outcome Measures**

Demonstrate how to support development of whole people

*Not reporting on this Outcome for this Annual Report*

**Outcome #39**

**1. Outcome Measures**

Demonstrate how to use the "train-the-trainer" model

*Not reporting on this Outcome for this Annual Report*

**Outcome #40**

**1. Outcome Measures**

Demonstrate how to use the USDA dietary guidelines and Food Guide pyramid to plan menus or choose foods

*Not reporting on this Outcome for this Annual Report*

**Outcome #41**

**1. Outcome Measures**

Demonstrate safe behavior and safety practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #42**

**1. Outcome Measures**

Describe USDA approved food preservation methods

*Not reporting on this Outcome for this Annual Report*

**Outcome #43**

**1. Outcome Measures**

Describe age-appropriate safety practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #44**

**1. Outcome Measures**

Describe gender stereotypes and their effects

*Not reporting on this Outcome for this Annual Report*

**Outcome #45**

**1. Outcome Measures**

Describe healthy lifestyle choices

*Not reporting on this Outcome for this Annual Report*

**Outcome #46**

**1. Outcome Measures**

Describe how personal behaviors influence the risk of chronic disease

*Not reporting on this Outcome for this Annual Report*

**Outcome #47**

**1. Outcome Measures**

Describe how to integrate regular physical activity into daily lives

*Not reporting on this Outcome for this Annual Report*

**Outcome #48**

**1. Outcome Measures**

Describe proper food handling practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #49**

**1. Outcome Measures**

Describe the benefits of physical activity

*Not reporting on this Outcome for this Annual Report*

**Outcome #50**

**1. Outcome Measures**

Describe the impact of cultural and media messages

*Not reporting on this Outcome for this Annual Report*

**Outcome #51**

**1. Outcome Measures**

Describe the risks of not handling food safely

*Not reporting on this Outcome for this Annual Report*

**Outcome #52**

**1. Outcome Measures**

Describe the value of community involvement and civic participation

*Not reporting on this Outcome for this Annual Report*

**Outcome #53**

**1. Outcome Measures**

Describe the value of consuming locally-produced food

*Not reporting on this Outcome for this Annual Report*

**Outcome #54**

**1. Outcome Measures**

Describe ways to observe, explore, and experience nature

*Not reporting on this Outcome for this Annual Report*

**Outcome #55**

**1. Outcome Measures**

Adopt behaviors to prevent or minimize complications of chronic disease

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	120	127

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle

**Outcome #56**

**1. Outcome Measures**

Adopt food safety practices  
*Not reporting on this Outcome for this Annual Report*

**Outcome #57**

**1. Outcome Measures**

Adopt record-keeping system  
*Not reporting on this Outcome for this Annual Report*

**Outcome #58**

**1. Outcome Measures**

Adopt the USDA dietary guidelines and the food guide pyramid

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	1260	249

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle
703	Nutrition Education and Behavior

**Outcome #59**

**1. Outcome Measures**

Assume personal responsibility for health

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	140	30

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle
703	Nutrition Education and Behavior

**Outcome #60**

**1. Outcome Measures**

Conduct community-based education that encourages healthy individual and family behaviors

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	130	342

**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
801	Individual and Family Resource Management
703	Nutrition Education and Behavior

**Outcome #61**

**1. Outcome Measures**

Confront disrespectful behaviors

*Not reporting on this Outcome for this Annual Report*

**Outcome #62**

**1. Outcome Measures**

Create learning opportunities based on principles of positive human development

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	485	1404

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle

**Outcome #63**

**1. Outcome Measures**

Demonstrate group process skills

*Not reporting on this Outcome for this Annual Report*

**Outcome #64**

**1. Outcome Measures**

Demonstrate how to address local health and healthcare concerns

*Not reporting on this Outcome for this Annual Report*

**Outcome #65**

**1. Outcome Measures**

Demonstrate how to assess community health concerns

*Not reporting on this Outcome for this Annual Report*

**Outcome #66**

**1. Outcome Measures**

Demonstrate how to create educational situations that honor all learning styles

*Not reporting on this Outcome for this Annual Report*

**Outcome #67**

**1. Outcome Measures**

Demonstrate how to create effective partnerships

*Not reporting on this Outcome for this Annual Report*

**Outcome #68**

**1. Outcome Measures**

Demonstrate how to encourage others to make healthy lifestyle choices

*Not reporting on this Outcome for this Annual Report*

**Outcome #69**

**1. Outcome Measures**

Demonstrate how to evaluate the credibility and relevance of public information

*Not reporting on this Outcome for this Annual Report*

**Outcome #70**

**1. Outcome Measures**

Demonstrate how to expand health-related resources for people and communities

*Not reporting on this Outcome for this Annual Report*

**Outcome #71**

**1. Outcome Measures**

Demonstrate how to locate credible health information

*Not reporting on this Outcome for this Annual Report*

**Outcome #72**

**1. Outcome Measures**

Demonstrate how to operate farm equipment safely

*Not reporting on this Outcome for this Annual Report*

**Outcome #73**

**1. Outcome Measures**

Describe age-appropriate preventative health practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #74**

**1. Outcome Measures**

Describe group facilitation techniques

*Not reporting on this Outcome for this Annual Report*

**Outcome #75**

**1. Outcome Measures**

Describe roles in managing chronic disease  
*Not reporting on this Outcome for this Annual Report*

**Outcome #76**

**1. Outcome Measures**

Avoid consumer fraud and financial exploitation  
*Not reporting on this Outcome for this Annual Report*

**Outcome #77**

**1. Outcome Measures**

Conduct educational activities through cooperative or collaborative effort

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	8	362

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families and Communities
801	Individual and Family Resource Management
703	Nutrition Education and Behavior

**Outcome #78**

**1. Outcome Measures**

Create and sustain effective partnerships and collaborations  
*Not reporting on this Outcome for this Annual Report*

**Outcome #79**

**1. Outcome Measures**

Use a collaborative process or approach  
*Not reporting on this Outcome for this Annual Report*



**Outcome #80****1. Outcome Measures**

Adopt effective communication skills

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	210

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)****What has been done****Results****4. Associated Knowledge Areas**

KA Code	Knowledge Area
803	Sociological and Technological Change Affecting Individuals, Families and Communities
801	Individual and Family Resource Management
724	Healthy Lifestyle

**Outcome #81****1. Outcome Measures**

Conduct community service or outreach

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	2045

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)****What has been done****Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
803	Sociological and Technological Change Affecting Individuals, Families and Communities
724	Healthy Lifestyle

**Outcome #82**

**1. Outcome Measures**

Create safe and empowering learning opportunities

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	106

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
803	Sociological and Technological Change Affecting Individuals, Families and Communities
724	Healthy Lifestyle
802	Human Development and Family Well-Being

**Outcome #83**

**1. Outcome Measures**

Engage positively in their community

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	664

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
803	Sociological and Technological Change Affecting Individuals, Families and Communities
724	Healthy Lifestyle

**Outcome #84**

**1. Outcome Measures**

Work productively in a team

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	1218

**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
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families and Communities

**Outcome #85**

**1. Outcome Measures**

Integrate regular physical activity into daily life  
 Make better decisions regarding health and health care  
 Make better decisions regarding healthy lifestyle  
 Model positive group behavior to others

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	0

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

**Issue (Who cares and Why)**

Steps to a Healthier ME: According to a study commissioned by Anthem Blue Cross and Blue Shield and MaineHealth, the combined cost of the risk factors of inactivity and overweight in Maine is predicted to be more than \$3.10 billion in 2009. The study states that even modest improvements in risk factors can yield significant results. For example, a mere 5 percent improvement in the number of Maine’s inactive adults would save \$750 million over a five-year period, or about \$150 million per year.

**What has been done**

MyPyramid dietary guidelines were developed to promote health and reduce risk of chronic diseases through diet and physical activity. The MyPyramid was adapted by UMaine Extension for use as Steps to a Healthier ME, which uses variety of innovative ways to convey concepts to diverse audiences. The program was pilot tested with more than 1,200 participants in schools and community programs for families, the disabled, and elders. More than 100 volunteers, and teachers have been trained to deliver the program.

**Results**

Within eight weeks of participating in the program, 300 participants were surveyed to determine their ongoing level of positive health and nutrition activity as a result of the Steps to a Healthier ME program; 90 percent reported that they were still using MyPyramid guidelines and 66 percent reported they were meeting the recommended levels of physical activity. Based on the Blue Cross, Blue Shield, MaineCare report described above, improvement in individual risk factors for the group will result in nearly \$3 million per year saved in combined direct and indirect costs. Similarly, quantifying the value for participants reached indirectly through our trainees this year adds an additional \$3 million, for a total of \$6 million saved in combined direct and indirect costs.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
802	Human Development and Family Well-Being
724	Healthy Lifestyle
703	Nutrition Education and Behavior

**Outcome #86**

**1. Outcome Measures**

Make better decisions regarding health and health care  
 Make better decisions regarding healthy lifestyle  
 Make better decisions regarding healthy lifestyle using improved literacy and critical thinking skills

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	0

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

**Issue (Who cares and Why)**

Teen and Young Parent Program: Children of adolescent parents are at greater risk for developmental, social, and health-related problems. Effective interventions must begin early and engage both parents and children. Children who receive early support in language development and exposure to reading are better prepared for school success. When parents achieve education goals, the family's economic situation and the child's developmental and future school success are both positively impacted.

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

The UMaine Extension Teen and Young Parent Program offers parenting education on healthy child development, developmental screenings, and resource referrals for adolescent families. We collaborate with school and adult education programs to enroll young parents in diploma and equivalence programs. Our family literacy project supports these families in achieving educational success for both parents and children by providing transportation assistance, children's books, and child care assistance.

#### **Results**

Home visiting reaches families where they live, enhancing parents' abilities to support their children's healthy development. Our program has minimized the risk of developmental, social, and health-related problems for 69 children born to mothers as young as 15 during the last five years through 1,183 home visits. Twelve young parents and 13 children continued participation throughout 2008, and five young parents in the family literacy program completed their high school diplomas, enabling them to go on to jobs or higher education to help their families become self-sufficient. All of the parents in the program learned ways to foster their children's language development from an early age and engage them with books on a daily basis so that they arrive at school better-prepared. The children received regular developmental screenings and subsequent access to early intervention programs when delays were indicated. As families graduate, new families are enrolled.

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

<b>KA Code</b>	<b>Knowledge Area</b>
801	Individual and Family Resource Management
802	Human Development and Family Well-Being

#### **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
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

##### **Brief Explanation**

#### **V(I). Planned Program (Evaluation Studies and Data Collection)**

##### **1. Evaluation Studies Planned**

- Retrospective (post program)
- Before-After (before and after program)
- During (during program)

##### **Evaluation Results**

##### **Key Items of Evaluation**

**Program #12**

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

**1. Name of the Planned Program**

Home Horticulture

**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	20%		20%	
111	Conservation and Efficient Use of Water	10%		10%	
112	Watershed Protection and Management	5%		5%	
132	Weather and Climate	5%		5%	
133	Pollution Prevention and Mitigation	5%		5%	
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plants	10%		10%	
206	Basic Plant Biology	30%		30%	
213	Weeds Affecting Plants	5%		5%	
403	Waste Disposal, Recycling, and Reuse	5%		5%	
502	New and Improved Food Products	5%		5%	
	<b>Total</b>	100%		100%	

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

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

Year: 2008	Extension		Research	
	1862	1890	1862	1890
<b>Plan</b>	7.0	0.0	0.1	0.0
<b>Actual</b>	6.2	0.0	0.2	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
202708	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
924526	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
134476	0	0	0

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

**1. Brief description of the Activity**

•Direct - Collaborative or Cooperative Effort •Central Maine Garden Celebration •Community Programs on Home Horticulture Topics •Consultations on Consumer and Commercial Horticulture Topics •Consumer Horticulture Programming •Consumer Horticulture Programming •Demonstration Gardens •Demonstration Plantings •Garden Angel Program •Garden Club Presentations •Garden Publications •Garden to Garden Program •Growing Tree Fruits in Maine •Hobby Orchard Consultations •Hobby Orchard Presentations •Home Horticulture Public Presentation •Horticulture Related (newspaper article) •Maine Garden Day •Maine State Prison Vocational Horticulture Program •Maine Tree Club Outing •Maine Tree Club Publications •Master Gardener Program •Master Gardener Training •Piscataquis Gardening Newsletter •Solar Collection in Hoop Houses

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

•Adults with Disabilities (Adults) •Agricultural Workers (Adult) •Care Providers for Children (Adult)  
 •Commercial Vegetable Growers (Adult) •Community Members (Adult) •Extension Faculty (Adult)  
 •First-Time Gardeners (Adult) •Forestland Owner - Non-Industrial (Adult) •General Public (Adult) •General Public (Youth) •Greenhouse Operators (Adult) •Home Gardeners (Adult) •Home Gardeners (Youth)  
 •Homeowners (Adult) •Homeowners - up to 2 acres (Adult) •Master Gardener Trainees (Adult) •Master Gardener Volunteers (Adult) •Natural Resource Professional (Adult) •Small or Home-Based Business Owners - Current (Adult)

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

**1. Standard output measures**

**Target for the number of persons (contacts) reached through direct and indirect contact methods**

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
Plan	4200	3800	95	0
2008	7395	26253	130	24

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

**Patent Applications Submitted**

<b>Year</b>	<b>Target</b>
Plan:	0
2008 :	0

**Patents listed**

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

**Number of Peer Reviewed Publications**

	Extension	Research	Total
Plan	0	0	
2008	0	0	0

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

**Output Target**

**Output #1**

**Output Measure**

- Direct - Collaborative or Cooperative Effort  
*Not reporting on this Output for this Annual Report*

**Output #2**

**Output Measure**

- Direct - Conference or symposium; Planning and/or participation  
*Not reporting on this Output for this Annual Report*

**Output #3**

**Output Measure**

- Direct - Consultation; phone, written, in-person  
*Not reporting on this Output for this Annual Report*

**Output #4**

**Output Measure**

- Direct - Course  
*Not reporting on this Output for this Annual Report*

**Output #5**

**Output Measure**

- Direct - Demonstration Project  
*Not reporting on this Output for this Annual Report*

**Output #6**

**Output Measure**

- Direct - Experiential Learning  
*Not reporting on this Output for this Annual Report*

**Output #7**

**Output Measure**

- Direct - Public Presentation  
*Not reporting on this Output for this Annual Report*

**Output #8**

**Output Measure**

- Direct - Volunteer Training  
*Not reporting on this Output for this Annual Report*

**Output #9**

**Output Measure**

- Direct - Workshop - single session  
*Not reporting on this Output for this Annual Report*

**Output #10**

**Output Measure**

- Indirect - Publication - booklet

Year	Target	Actual
2008	2	1

**Output #11**

**Output Measure**

- Indirect - Publication - fact sheet

Year	Target	Actual
2008	3	0

**Output #12**

**Output Measure**

- Indirect - Publication - newsletter  
*Not reporting on this Output for this Annual Report*

**Output #13**

**Output Measure**

- Indirect - Website



*Not reporting on this Output for this Annual Report*

**Output #14****Output Measure**

- Direct - Conference/Symposium

Year	Target	Actual
2008	{No Data Entered}	1

**Output #15****Output Measure**

- Direct - Consultation

Year	Target	Actual
2008	{No Data Entered}	1377

**Output #16****Output Measure**

- Direct - Educational Programs or Projects

Year	Target	Actual
2008	{No Data Entered}	250

**Output #17****Output Measure**

- Direct - Train the Trainer or Volunteer Training

Year	Target	Actual
2008	{No Data Entered}	19

**Output #18****Output Measure**

- Indirect - Publication in the Popular Media

Year	Target	Actual
2008	{No Data Entered}	22

**Output #19****Output Measure**

- Indirect - Volunteer Effort

Year	Target	Actual
2008	{No Data Entered}	233

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

O No.	OUTCOME NAME
1	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
2	Access relevant UMCE publications
3	Complete the Master Gardener Training
4	Demonstrate IPM techniques
5	Demonstrate how to access locally-grown foods
6	Demonstrate how to amend soils
7	Demonstrate how to apply pesticides safely and effectively
8	Demonstrate how to be positively engaged in their community
9	Demonstrate how to compost
10	Demonstrate how to create effective partnerships in communities
11	Demonstrate how to design, facilitate, run, and maintain a volunteer program
12	Demonstrate how to diagnose pest problems
13	Demonstrate how to evaluate the potential of new and non-traditional crops and varieties for profitable production in Maine
14	Demonstrate how to grow fruits and vegetables
15	Demonstrate how to identify invasive species
16	Demonstrate how to identify native flora and fauna
17	Demonstrate how to identify non-native invasive species
18	Demonstrate how to incorporate native plants and native plant communities into constructed landscapes
19	Demonstrate how to take a soil test
20	Demonstrate how to use technology
21	Demonstrate management strategies for invasive species management
22	Demonstrate sustainable gardening practices
23	Describe IPM techniques
24	Describe IPM technologies and benefits
25	Describe alternative pest manage techniques
26	Describe an improved quality of life
27	Describe ecological principles
28	Describe hoop house crop management
29	Describe hoop house technology
30	Describe new crops and varieties
31	Describe practices that improve efficiency, reduce inputs, or increase profitability
32	Describe threats to water quality from land use practices
33	Use UM Diagnostic Services
34	Adopt appropriate management strategies
35	Adopt appropriate pest management practices
36	Adopt appropriate technologies
37	Adopt environmentally sound practices
38	Adopt environmentally sound technologies that improve economic viability
39	Adopt practices that maintain profitability
40	Be a mentor to other community organizations or groups

- |    |  |
|----|--|
| 41 | Complete volunteer commitment  |
| 42 | Compost  |
| 43 | Conduct community service or outreach  |
| 44 | Expand IPM   |
| 45 | Grow new crop  |
| 46 | Grow new variety   |
| 47 | Identify and respond to pest issues  |
| 48 | Identify and respond to plant and animal disorders   |
| 49 | Improve IPM  |
| 50 | Improve production and quality of crops  |
| 51 | Improve soil health  |
| 52 | Increase consumption of locally-grown food   |
| 53 | Increase crop production   |
| 54 | Make appropriate cultivar choices  |
| 55 | Make better decisions regarding pest management  |
| 56 | Plant and harvest gardens  |
| 57 | Pounds of food donated   |
| 58 | Reduce the use of high-risk pesticides   |
| 59 | Reduce waste stream  |
| 60 | Test new crops   |
| 61 | Test new production techniques   |
| 62 | Test new varieties   |
| 63 | Use non-chemical pest management practices   |
| 64 | Use pesticides safely  |
| 65 | Use relevant UMCE web-based resources  |
| 66 | Enhance the economic and environmental sustainability of Maine agriculture and aquaculture               |
| 67 | Enhance the safety, sustainability, and dependability of Maine's food supply                             |
| 68 | Increase the economic and social viability and sustainability of Maine communities                       |
| 69 | Protect and enhance Maine's natural resources and environment through sustainable stewardship            |
| 70 | Demonstrate effective collaboration skills and techniques  |
| 71 | Demonstrate effective mentoring or coaching skills   |
| 72 | Demonstrate group, organizational, or leadership activities  |
| 73 | Describe solar heating technology  |
| 74 | Describe sources of locally-produced food  |
| 75 | Describe wildlife habitat components   |
| 76 | Conserve soils   |
| 77 | Create and sustain effective partnerships and collaborations   |
| 78 | Develop environmentally sound technologies and practices   |
| 79 | Develop local food production and distribution systems   |
| 80 | Engage in leadership development   |
| 81 | Train new volunteers   |
| 82 | Provide learning opportunities for groups or organizations   |
| 83 | Acquire pesticide applicator certification   |
| 84 | Adopt and maintain integrated pest management strategies   |
| 85 | Adopt appropriate practices  |
| 86 | Adopt new crop   |
| 87 | Adopt practices that maintain long-term productivity   |
| 88 | Evaluate the potential of new and non-traditional crops and varieties for profitable production in Maine |

89	Expand Integrated Pest Management
90	Improve crop quality and marketability
91	Improve Integrated Pest Management
92	Protect or conserve biodiversity and habitat including native plant and animal species
93	Use relevant UMaine Extension web-based resources

**Outcome #1**

**1. Outcome Measures**

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.  
*Not reporting on this Outcome for this Annual Report*

**Outcome #2**

**1. Outcome Measures**

Access relevant UMCE publications  
*Not reporting on this Outcome for this Annual Report*

**Outcome #3**

**1. Outcome Measures**

Complete the Master Gardener Training  
*Not reporting on this Outcome for this Annual Report*

**Outcome #4**

**1. Outcome Measures**

Demonstrate IPM techniques  
*Not reporting on this Outcome for this Annual Report*

**Outcome #5**

**1. Outcome Measures**

Demonstrate how to access locally-grown foods  
*Not reporting on this Outcome for this Annual Report*

**Outcome #6**

**1. Outcome Measures**

Demonstrate how to amend soils  
*Not reporting on this Outcome for this Annual Report*

**Outcome #7**

**1. Outcome Measures**

Demonstrate how to apply pesticides safely and effectively  
*Not reporting on this Outcome for this Annual Report*

**Outcome #8**

**1. Outcome Measures**

Demonstrate how to be positively engaged in their community  
*Not reporting on this Outcome for this Annual Report*

**Outcome #9**

**1. Outcome Measures**

Demonstrate how to compost  
*Not reporting on this Outcome for this Annual Report*

**Outcome #10**

**1. Outcome Measures**

Demonstrate how to create effective partnerships in communities

*Not reporting on this Outcome for this Annual Report*

**Outcome #11**

**1. Outcome Measures**

Demonstrate how to design, facilitate, run, and maintain a volunteer program

*Not reporting on this Outcome for this Annual Report*

**Outcome #12**

**1. Outcome Measures**

Demonstrate how to diagnose pest problems

*Not reporting on this Outcome for this Annual Report*

**Outcome #13**

**1. Outcome Measures**

Demonstrate how to evaluate the potential of new and non-traditional crops and varieties for profitable production in Maine

*Not reporting on this Outcome for this Annual Report*

**Outcome #14**

**1. Outcome Measures**

Demonstrate how to grow fruits and vegetables

*Not reporting on this Outcome for this Annual Report*

**Outcome #15**

**1. Outcome Measures**

Demonstrate how to identify invasive species

*Not reporting on this Outcome for this Annual Report*

**Outcome #16**

**1. Outcome Measures**

Demonstrate how to identify native flora and fauna

*Not reporting on this Outcome for this Annual Report*

**Outcome #17**

**1. Outcome Measures**

Demonstrate how to identify non-native invasive species

*Not reporting on this Outcome for this Annual Report*

**Outcome #18**

**1. Outcome Measures**

Demonstrate how to incorporate native plants and native plant communities into constructed landscapes

*Not reporting on this Outcome for this Annual Report*

**Outcome #19**

**1. Outcome Measures**

Demonstrate how to take a soil test

*Not reporting on this Outcome for this Annual Report*

**Outcome #20**

**1. Outcome Measures**

Demonstrate how to use technology

*Not reporting on this Outcome for this Annual Report*

**Outcome #21**

**1. Outcome Measures**

Demonstrate management strategies for invasive species management

*Not reporting on this Outcome for this Annual Report*

**Outcome #22**

**1. Outcome Measures**

Demonstrate sustainable gardening practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #23**

**1. Outcome Measures**

Describe IPM techniques

*Not reporting on this Outcome for this Annual Report*

**Outcome #24**

**1. Outcome Measures**

Describe IPM technologies and benefits

*Not reporting on this Outcome for this Annual Report*

**Outcome #25**

**1. Outcome Measures**

Describe alternative pest manage techniques

*Not reporting on this Outcome for this Annual Report*

**Outcome #26**

**1. Outcome Measures**

Describe an improved quality of life

*Not reporting on this Outcome for this Annual Report*

**Outcome #27**

**1. Outcome Measures**

Describe ecological principles

*Not reporting on this Outcome for this Annual Report*

**Outcome #28**

**1. Outcome Measures**

Describe hoop house crop management

*Not reporting on this Outcome for this Annual Report*

**Outcome #29**

**1. Outcome Measures**

Describe hoop house technology

*Not reporting on this Outcome for this Annual Report*

**Outcome #30**

**1. Outcome Measures**

Describe new crops and varieties

*Not reporting on this Outcome for this Annual Report*

**Outcome #31**

**1. Outcome Measures**

Describe practices that improve efficiency, reduce inputs, or increase profitability

*Not reporting on this Outcome for this Annual Report*

**Outcome #32**

**1. Outcome Measures**

Describe threats to water quality from land use practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #33**

**1. Outcome Measures**

Use UM Diagnostic Services

*Not reporting on this Outcome for this Annual Report*

**Outcome #34**

**1. Outcome Measures**

Adopt appropriate management strategies

*Not reporting on this Outcome for this Annual Report*

**Outcome #35**

**1. Outcome Measures**

Adopt appropriate pest management practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #36**

**1. Outcome Measures**

Adopt appropriate technologies

**2. Associated Institution Types**

- 1862 Extension



**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	380	728

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
502	New and Improved Food Products
133	Pollution Prevention and Mitigation
403	Waste Disposal, Recycling, and Reuse
213	Weeds Affecting Plants
112	Watershed Protection and Management
132	Weather and Climate
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plants
111	Conservation and Efficient Use of Water
102	Soil, Plant, Water, Nutrient Relationships
206	Basic Plant Biology

**Outcome #37**

**1. Outcome Measures**

Adopt environmentally sound practices

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	50	1748

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
133	Pollution Prevention and Mitigation

**Outcome #38**

**1. Outcome Measures**

Adopt environmentally sound technologies that improve economic viability  
*Not reporting on this Outcome for this Annual Report*

**Outcome #39**

**1. Outcome Measures**

Adopt practices that maintain profitability

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	80	307

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
206	Basic Plant Biology

**Outcome #40**

**1. Outcome Measures**

Be a mentor to other community organizations or groups

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	30	78

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
502	New and Improved Food Products

**Outcome #41**

**1. Outcome Measures**

Complete volunteer commitment

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	65	267

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
502	New and Improved Food Products

**Outcome #42**

**1. Outcome Measures**

Compost

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	125	125

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
403	Waste Disposal, Recycling, and Reuse

**Outcome #43**

**1. Outcome Measures**

Conduct community service or outreach

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	110	2045

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
502	New and Improved Food Products

**Outcome #44**

**1. Outcome Measures**

Expand IPM

*Not reporting on this Outcome for this Annual Report*

**Outcome #45**

**1. Outcome Measures**

Grow new crop

*Not reporting on this Outcome for this Annual Report*

**Outcome #46**

**1. Outcome Measures**

Grow new variety

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	110	40

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
502	New and Improved Food Products
206	Basic Plant Biology

**Outcome #47**

**1. Outcome Measures**

Identify and respond to pest issues

*Not reporting on this Outcome for this Annual Report*

**Outcome #48**

**1. Outcome Measures**

Identify and respond to plant and animal disorders

*Not reporting on this Outcome for this Annual Report*

**Outcome #49**

**1. Outcome Measures**

Improve IPM

*Not reporting on this Outcome for this Annual Report*

**Outcome #50**

**1. Outcome Measures**

Improve production and quality of crops

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	305	352

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
206	Basic Plant Biology

**Outcome #51**

**1. Outcome Measures**

Improve soil health

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	45	341

**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

**Outcome #52**

**1. Outcome Measures**

Increase consumption of locally-grown food

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	332	300

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
502	New and Improved Food Products

**Outcome #53**

**1. Outcome Measures**

Increase crop production

*Not reporting on this Outcome for this Annual Report*

**Outcome #54**

**1. Outcome Measures**

Make appropriate cultivar choices

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	310	291

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
502	New and Improved Food Products
206	Basic Plant Biology

**Outcome #55**

**1. Outcome Measures**

Make better decisions regarding pest management

*Not reporting on this Outcome for this Annual Report*

**Outcome #56**

**1. Outcome Measures**

Plant and harvest gardens

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	490	646

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
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502

New and Improved Food Products

**Outcome #57****1. Outcome Measures**

Pounds of food donated

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	100000	69895

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

Issue (Who cares and Why)

What has been done

Results

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
502	New and Improved Food Products

**Outcome #58****1. Outcome Measures**

Reduce the use of high-risk pesticides

*Not reporting on this Outcome for this Annual Report***Outcome #59****1. Outcome Measures**

Reduce waste stream

*Not reporting on this Outcome for this Annual Report***Outcome #60****1. Outcome Measures**

Test new crops

*Not reporting on this Outcome for this Annual Report***Outcome #61****1. Outcome Measures**

Test new production techniques

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	115	235

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
206	Basic Plant Biology
502	New and Improved Food Products

**Outcome #62**

**1. Outcome Measures**

Test new varieties

*Not reporting on this Outcome for this Annual Report*

**Outcome #63**

**1. Outcome Measures**

Use non-chemical pest management practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #64**

**1. Outcome Measures**

Use pesticides safely

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	60	342

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

**Issue (Who cares and Why)**

**What has been done**

## Results

### 4. Associated Knowledge Areas

KA Code	Knowledge Area
206	Basic Plant Biology
133	Pollution Prevention and Mitigation

#### Outcome #65

##### 1. Outcome Measures

Use relevant UMCE web-based resources

*Not reporting on this Outcome for this Annual Report*

#### Outcome #66

##### 1. Outcome Measures

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture

*Not reporting on this Outcome for this Annual Report*

#### Outcome #67

##### 1. Outcome Measures

Enhance the safety, sustainability, and dependability of Maine's food supply

*Not reporting on this Outcome for this Annual Report*

#### Outcome #68

##### 1. Outcome Measures

Increase the economic and social viability and sustainability of Maine communities

*Not reporting on this Outcome for this Annual Report*

#### Outcome #69

##### 1. Outcome Measures

Protect and enhance Maine's natural resources and environment through sustainable stewardship

*Not reporting on this Outcome for this Annual Report*

#### Outcome #70

##### 1. Outcome Measures

Demonstrate effective collaboration skills and techniques

*Not reporting on this Outcome for this Annual Report*

#### Outcome #71

##### 1. Outcome Measures

Demonstrate effective mentoring or coaching skills

*Not reporting on this Outcome for this Annual Report*

#### Outcome #72

**1. Outcome Measures**

Demonstrate group, organizational, or leadership activities

*Not reporting on this Outcome for this Annual Report*

**Outcome #73**

**1. Outcome Measures**

Describe solar heating technology

*Not reporting on this Outcome for this Annual Report*

**Outcome #74**

**1. Outcome Measures**

Describe sources of locally-produced food

*Not reporting on this Outcome for this Annual Report*

**Outcome #75**

**1. Outcome Measures**

Describe wildlife habitat components

*Not reporting on this Outcome for this Annual Report*

**Outcome #76**

**1. Outcome Measures**

Conserve soils

*Not reporting on this Outcome for this Annual Report*

**Outcome #77**

**1. Outcome Measures**

Create and sustain effective partnerships and collaborations

*Not reporting on this Outcome for this Annual Report*

**Outcome #78**

**1. Outcome Measures**

Develop environmentally sound technologies and practices

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	10	556

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
102	Soil, Plant, Water, Nutrient Relationships
213	Weeds Affecting Plants
206	Basic Plant Biology
111	Conservation and Efficient Use of Water
502	New and Improved Food Products
403	Waste Disposal, Recycling, and Reuse
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plants
133	Pollution Prevention and Mitigation
112	Watershed Protection and Management

**Outcome #79**

**1. Outcome Measures**

Develop local food production and distribution systems

*Not reporting on this Outcome for this Annual Report*

**Outcome #80**

**1. Outcome Measures**

Engage in leadership development

*Not reporting on this Outcome for this Annual Report*

**Outcome #81**

**1. Outcome Measures**

Train new volunteers

*Not reporting on this Outcome for this Annual Report*

**Outcome #82**

**1. Outcome Measures**

Provide learning opportunities for groups or organizations

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2008	23	91

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
206	Basic Plant Biology

**Outcome #83**

**1. Outcome Measures**

Acquire pesticide applicator certification

*Not reporting on this Outcome for this Annual Report*

**Outcome #84**

**1. Outcome Measures**

Adopt and maintain integrated pest management strategies

*Not reporting on this Outcome for this Annual Report*

**Outcome #85**

**1. Outcome Measures**

Adopt appropriate practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #86**

**1. Outcome Measures**

Adopt new crop

*Not reporting on this Outcome for this Annual Report*

**Outcome #87**

**1. Outcome Measures**

Adopt practices that maintain long-term productivity

*Not reporting on this Outcome for this Annual Report*

**Outcome #88**

**1. Outcome Measures**

Evaluate the potential of new and non-traditional crops and varieties for profitable production in Maine

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	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
502	New and Improved Food Products
133	Pollution Prevention and Mitigation
403	Waste Disposal, Recycling, and Reuse
213	Weeds Affecting Plants
112	Watershed Protection and Management
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plants
111	Conservation and Efficient Use of Water

**Outcome #89**

**1. Outcome Measures**

Expand Integrated Pest Management

*Not reporting on this Outcome for this Annual Report*

**Outcome #90**

**1. Outcome Measures**

Improve crop quality and marketability

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	780

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

**Issue (Who cares and Why)**

**What has been done**

**Results****4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
502	New and Improved Food Products

**Outcome #91****1. Outcome Measures**

Improve Integrated Pest Management

*Not reporting on this Outcome for this Annual Report*

**Outcome #92****1. Outcome Measures**

Protect or conserve biodiversity and habitat including native plant and animal species

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2008	{No Data Entered}	137

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
206	Basic Plant Biology
111	Conservation and Efficient Use of Water
502	New and Improved Food Products
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plants
112	Watershed Protection and Management
133	Pollution Prevention and Mitigation

**Outcome #93****1. Outcome Measures**

Use relevant UMaine Extension web-based resources

*Not reporting on this Outcome for this Annual Report*



## **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
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration,new cultural groupings,etc.)

### **Brief Explanation**

## **V(I). Planned Program (Evaluation Studies and Data Collection)**

### **1. Evaluation Studies Planned**

- Before-After (before and after program)
- During (during program)

### **Evaluation Results**

### **Key Items of Evaluation**

**Program #13**

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

**1. Name of the Planned Program**

Maine Livestock Industry

**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	15%		15%	
301	Reproductive Performance of Animals	5%		5%	
302	Nutrient Utilization in Animals	10%		10%	
307	Animal Management Systems	15%		15%	
308	Improved Animal Products (Before Harvest)	10%		10%	
311	Animal Diseases	15%		15%	
315	Animal Welfare/Well-Being and Protection	5%		5%	
401	Structures, Facilities, and General Purpose Farm Supplies	5%		5%	
601	Economics of Agricultural Production and Farm Management	10%		10%	
602	Business Management, Finance, and Taxation	10%		10%	
<b>Total</b>		<b>100%</b>		<b>100%</b>	

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

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

Year: 2008	Extension		Research	
	1862	1890	1862	1890
<b>Plan</b>	3.0	0.0	0.2	0.0
<b>Actual</b>	2.4	0.0	0.3	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
127110	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
378528	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
24706	0	0	0

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

**1. Brief description of the Activity**

•Animal Health Professional Seminars •Beef Conference •Beef Quality Assurance Training •Consultations - Livestock •Dairy Email Newsletters •Farm Visits •Farmer Meetings •Grass Farmers Network /Northeast Pasture Consortium •Livestock Consultations •Livestock Related (publication) •Nutrient Management •Pasture Walk •Piscataquis Farming Newsletter •Regional Organic Dairy Project

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

•4-H Leaders (Adult) •4-H Members (Youth) •Agency Staff or Professionals (Adult) •Agricultural Producers (Adult) •Beef Producers (Adult) •Commercial Dairy Producers (Adult) •Extension Faculty (Adult) •General Public (Adult) •Scientists (Adult) •Student (Adult) •Veterinarians (Adult)

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

**1. Standard output measures**

**Target for the number of persons (contacts) reached through direct and indirect contact methods**

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
Plan	989	1020	200	0
2008	1283	641	22	0

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

**Patent Applications Submitted**

Year	Target
Plan:	0
2008 :	0

**Patents listed**

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

**Number of Peer Reviewed Publications**

	Extension	Research	Total
Plan	0	0	
2008	0	0	0

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

**Output Target**

**Output #1****Output Measure**

- Direct - Applied Research

*Not reporting on this Output for this Annual Report*

**Output #2****Output Measure**

- Direct - Collaborative or Cooperative Effort

Year	Target	Actual
2008	60	289

**Output #3****Output Measure**

- Direct - Consultation; phone, written, in-person

*Not reporting on this Output for this Annual Report*

**Output #4****Output Measure**

- Direct - Forum

*Not reporting on this Output for this Annual Report*

**Output #5****Output Measure**

- Direct - Pasture Walk

*Not reporting on this Output for this Annual Report*

**Output #6****Output Measure**

- Direct - Seminar

*Not reporting on this Output for this Annual Report*

**Output #7****Output Measure**

- Direct - Workshop - series

*Not reporting on this Output for this Annual Report*

**Output #8****Output Measure**

- Indirect - Publication - newsletter

*Not reporting on this Output for this Annual Report*

**Output #9****Output Measure**

- Indirect - Website

*Not reporting on this Output for this Annual Report*

**Output #10****Output Measure**

- Direct - Site visit

*Not reporting on this Output for this Annual Report*

**Output #11****Output Measure**

- Indirect - Publication - fact sheet

*Not reporting on this Output for this Annual Report*

**Output #12****Output Measure**

- Direct - Group Presentation

*Not reporting on this Output for this Annual Report*

**Output #13****Output Measure**

- Direct - Consultation

Year	Target	Actual
2008	{No Data Entered}	182

**Output #14**

**Output Measure**

- Direct - Educational Programs or Projects

Year	Target	Actual
2008	{No Data Entered}	81

**Output #15**

**Output Measure**

- Direct - Scholarship

Year	Target	Actual
2008	{No Data Entered}	40

**Output #16**

**Output Measure**

- Indirect - Professional, Peer-reviewed, or Refereed, Scholarship

Year	Target	Actual
2008	{No Data Entered}	3

**Output #17**

**Output Measure**

- Indirect - Publication in the Popular Media

Year	Target	Actual
2008	{No Data Entered}	237

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

O No.	OUTCOME NAME
1	Acquire quality assurance certification
2	Demonstrate animal management skills
3	Demonstrate basic business management skills
4	Demonstrate how to analyze records for decision making
5	Demonstrate how to develop certified nutrient management plans
6	Demonstrate how to develop integrated farming systems
7	Demonstrate how to effectively manage grasslands
8	Demonstrate how to feed animals with production and economy in mind
9	Demonstrate how to maximize return on farm enterprise
10	Demonstrate production recordkeeping
11	Demonstrate sound agricultural practices
12	Describe animal health programs
13	Describe financial management
14	Describe forages and forage quality
15	Describe nutrient sources, recycling and delivery methods that are compatible with crop, soil and production systems
16	Describe record keeping and record keeping systems
17	Describe sound animal production practices
18	Describe the benefits of grass-fed livestock
19	Describe the value of organic nutrient sources to sustainable cropping systems
20	Adopt appropriate management strategies
21	Adopt appropriate nutrient management strategies
22	Adopt appropriate technologies
23	Adopt practices that maintain long-term productivity
24	Adopt practices that maintain profitability
25	Develop a business plan
26	Improve animal well-being
27	Keep accurate records
28	Maintain nutrient management certification
29	Make better decisions using available diagnostics
30	Participate in Maine cattle health assurance program
31	Participate in farm animal identification program
32	Participate in livestock disease monitoring programs
33	Participate in livestock quality assurance program
34	Participate in relevant animal associations
35	Participate in the Maine grass farmer network
36	Use grasslands efficiently for feed and water quality protection
37	Use grasslands profitably
38	Use relevant UMCE web-based resources
39	Enhance the economic and environmental sustainability of Maine agriculture and aquaculture
40	Enhance the safety, sustainability, and dependability of Maine's food supply
41	Describe IPM technologies and benefits

- |    |  |
|----|--|
| 42 | Adopt environmentally sound technologies that improve economic viability |
| 43 | Adopt testing methods to determine disease prevalence                    |
| 44 | Create jobs  |
| 45 | Improve production and quality of crops                                  |
| 46 | Increase business revenues   |
| 47 | Increase consumption of locally-grown food                               |
| 48 | Maintain Certified Crop Advisor Certification                            |
| 49 | Use pesticides safely  |
| 50 | Use relevant UMaine Extension web-based resources                        |

**Outcome #1**

**1. Outcome Measures**

Acquire quality assurance certification

*Not reporting on this Outcome for this Annual Report*

**Outcome #2**

**1. Outcome Measures**

Demonstrate animal management skills

*Not reporting on this Outcome for this Annual Report*

**Outcome #3**

**1. Outcome Measures**

Demonstrate basic business management skills

*Not reporting on this Outcome for this Annual Report*

**Outcome #4**

**1. Outcome Measures**

Demonstrate how to analyze records for decision making

*Not reporting on this Outcome for this Annual Report*

**Outcome #5**

**1. Outcome Measures**

Demonstrate how to develop certified nutrient management plans

*Not reporting on this Outcome for this Annual Report*

**Outcome #6**

**1. Outcome Measures**

Demonstrate how to develop integrated farming systems

*Not reporting on this Outcome for this Annual Report*

**Outcome #7**

**1. Outcome Measures**

Demonstrate how to effectively manage grasslands

*Not reporting on this Outcome for this Annual Report*

**Outcome #8**

**1. Outcome Measures**

Demonstrate how to feed animals with production and economy in mind

*Not reporting on this Outcome for this Annual Report*

**Outcome #9**

**1. Outcome Measures**

Demonstrate how to maximize return on farm enterprise

*Not reporting on this Outcome for this Annual Report*

**Outcome #10**



**1. Outcome Measures**

Demonstrate production recordkeeping

*Not reporting on this Outcome for this Annual Report*

**Outcome #11**

**1. Outcome Measures**

Demonstrate sound agricultural practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #12**

**1. Outcome Measures**

Describe animal health programs

*Not reporting on this Outcome for this Annual Report*

**Outcome #13**

**1. Outcome Measures**

Describe financial management

*Not reporting on this Outcome for this Annual Report*

**Outcome #14**

**1. Outcome Measures**

Describe forages and forage quality

*Not reporting on this Outcome for this Annual Report*

**Outcome #15**

**1. Outcome Measures**

Describe nutrient sources, recycling and delivery methods that are compatible with crop, soil and production systems

*Not reporting on this Outcome for this Annual Report*

**Outcome #16**

**1. Outcome Measures**

Describe record keeping and record keeping systems

*Not reporting on this Outcome for this Annual Report*

**Outcome #17**

**1. Outcome Measures**

Describe sound animal production practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #18**

**1. Outcome Measures**

Describe the benefits of grass-fed livestock

*Not reporting on this Outcome for this Annual Report*

**Outcome #19**

**1. Outcome Measures**

Describe the value of organic nutrient sources to sustainable cropping systems

*Not reporting on this Outcome for this Annual Report*

**Outcome #20**

**1. Outcome Measures**

Adopt appropriate management strategies

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	70	488

**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
307	Animal Management Systems

**Outcome #21**

**1. Outcome Measures**

Adopt appropriate nutrient management strategies

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	30	15

**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
302	Nutrient Utilization in Animals
307	Animal Management Systems

**Outcome #22**

**1. Outcome Measures**

Adopt appropriate technologies

*Not reporting on this Outcome for this Annual Report*

**Outcome #23**

**1. Outcome Measures**

Adopt practices that maintain long-term productivity

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	70	294

**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
307	Animal Management Systems
301	Reproductive Performance of Animals

**Outcome #24**

**1. Outcome Measures**

Adopt practices that maintain profitability

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	120	307

**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
602	Business Management, Finance, and Taxation
601	Economics of Agricultural Production and Farm Management

**Outcome #25**

**1. Outcome Measures**

Develop a business plan

*Not reporting on this Outcome for this Annual Report*

**Outcome #26**

**1. Outcome Measures**

Improve animal well-being

*Not reporting on this Outcome for this Annual Report*

**Outcome #27**

**1. Outcome Measures**

Keep accurate records

*Not reporting on this Outcome for this Annual Report*

**Outcome #28**

**1. Outcome Measures**

Maintain nutrient management certification

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	60	15

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
302	Nutrient Utilization in Animals

**Outcome #29**

**1. Outcome Measures**

Make better decisions using available diagnostics  
*Not reporting on this Outcome for this Annual Report*

**Outcome #30**

**1. Outcome Measures**

Participate in Maine cattle health assurance program  
*Not reporting on this Outcome for this Annual Report*

**Outcome #31**

**1. Outcome Measures**

Participate in farm animal identification program  
*Not reporting on this Outcome for this Annual Report*

**Outcome #32**

**1. Outcome Measures**

Participate in livestock disease monitoring programs  
*Not reporting on this Outcome for this Annual Report*

**Outcome #33**

**1. Outcome Measures**

Participate in livestock quality assurance program

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	100	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
311	Animal Diseases
307	Animal Management Systems
315	Animal Welfare/Well-Being and Protection
308	Improved Animal Products (Before Harvest)

**Outcome #34**

**1. Outcome Measures**

Participate in relevant animal associations

*Not reporting on this Outcome for this Annual Report*

**Outcome #35**

**1. Outcome Measures**

Participate in the Maine grass farmer network

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	200	570

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
601	Economics of Agricultural Production and Farm Management
307	Animal Management Systems

**Outcome #36**

**1. Outcome Measures**

Use grasslands efficiently for feed and water quality protection

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2008	130	40

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
307	Animal Management Systems

**Outcome #37**

**1. Outcome Measures**

Use grasslands profitably

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2008	90	20

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
311	Animal Diseases
601	Economics of Agricultural Production and Farm Management

**Outcome #38**

**1. Outcome Measures**

Use relevant UMCE web-based resources  
*Not reporting on this Outcome for this Annual Report*

**Outcome #39**

**1. Outcome Measures**

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture  
*Not reporting on this Outcome for this Annual Report*

**Outcome #40**

**1. Outcome Measures**

Enhance the safety, sustainability, and dependability of Maine's food supply  
*Not reporting on this Outcome for this Annual Report*

**Outcome #41**

**1. Outcome Measures**

Describe IPM technologies and benefits  
*Not reporting on this Outcome for this Annual Report*

**Outcome #42**

**1. Outcome Measures**

Adopt environmentally sound technologies that improve economic viability

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	46

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

**Issue (Who cares and Why)**

**What has been done**



**Results****4. Associated Knowledge Areas**

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

**Outcome #43****1. Outcome Measures**

Adopt testing methods to determine disease prevalence

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2008	{No Data Entered}	15

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

**Issue (Who cares and Why)**

**What has been done**

**Results****4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
308	Improved Animal Products (Before Harvest)
602	Business Management, Finance, and Taxation
307	Animal Management Systems
315	Animal Welfare/Well-Being and Protection
311	Animal Diseases

**Outcome #44****1. Outcome Measures**

Create jobs

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	35

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

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

**Outcome #45**

**1. Outcome Measures**

Improve production and quality of crops

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	352

**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

**Outcome #46**

**1. Outcome Measures**

Increase business revenues

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	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
602	Business Management, Finance, and Taxation
601	Economics of Agricultural Production and Farm Management

**Outcome #47**

**1. Outcome Measures**

Increase consumption of locally-grown food

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	300

**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
602	Business Management, Finance, and Taxation

**Outcome #48**

**1. Outcome Measures**

Maintain Certified Crop Advisor Certification

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	311

**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

**Outcome #49**

**1. Outcome Measures**

Use pesticides safely

*Not reporting on this Outcome for this Annual Report*

**Outcome #50**

**1. Outcome Measures**

Use relevant UMaine Extension web-based resources

*Not reporting on this Outcome for this Annual Report*

**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
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

**Brief Explanation**

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**1. Evaluation Studies Planned**

- Before-After (before and after program)
- During (during program)
- Case Study
- Comparison between locales where the program operates and sites without program intervention

**Evaluation Results**

**Key Items of Evaluation**

**Program #14**

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

**1. Name of the Planned Program**

Pest Management

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

**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
211	Insects, Mites, and Other Arthropods Affecting Plants	25%		25%	
212	Pathogens and Nematodes Affecting Plants	18%		18%	
213	Weeds Affecting Plants	2%		2%	
215	Biological Control of Pests Affecting Plants	3%		3%	
216	Integrated Pest Management Systems	47%		47%	
721	Insects and Other Pests Affecting Humans	5%		5%	
<b>Total</b>		100%		100%	

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

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

Year: 2008	Extension		Research	
	1862	1890	1862	1890
<b>Plan</b>	10.1	0.0	1.2	0.0
<b>Actual</b>	7.6	0.0	0.3	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
176409	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
1041899	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
880435	0	0	0

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

**1. Brief description of the Activity**

•Children’s Agricultural Educational Events •Client Consultation - Insect, Plant Disease, Pest Management •Cranberry Integrated Pest Management •Educational Entomological Display •Fact Sheet - Wild Blueberry •Grower Site Visits •Insect Education - Bugmaine-ia •Integrated Pest Management •IPM Related (publication) •IR4 Residue/Efficacy Trials •Maine Agricultural Trade Show •Maine Cranberry Integrated Pest Management Guide •Master Gardener Training - Pests •Newsletter - Apple Pest Report •Newsletter - Pest Alert •Newsletter - Strawberry Integrated Pest Management •Newsletter - Sweet Corn Integrated Pest Management •Newsletter - Wild Blueberry •Pest Management Conference •Pesticide Applicator Training •Pesticide Applicator Training Certification Exams •Pesticide Applicator Training Educational Manuals •Potato Integrated Pest Management •Presentations - Apple Integrated Pest Management •Public Presentations - Blueberries •School Presentations - Pest Management •Seminars and Training - Plant Disease Diagnostics •Spring Wild Blueberry Meeting •Strawberry Integrated Pest Management Program •Teacher Training - Entomology •Website - Apple Integrated Pest Management •Website - New England Pest Management Network •Website - Wild Blueberries •Wild Blueberry Integrated Crop Management

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

•Agency Staff or Professionals (Adult) •Agricultural Producers (Adult) •Agricultural Workers (Adult)  
 •Blueberry Growers (Adult) •Commercial Apple Growers (Adult) •Commercial Cranberry Growers (Adult)  
 •Commercial Potato Growers (Adult) •Commercial Sweet Corn Growers (Adult) •Commercial Vegetable Growers (Adult)  
 •Consumers (Adult) •Extension - all staff (Adult) •Extension Faculty (Adult) •Extension Professionals (Adult)  
 •General Public (Adult) •Greenhouse Operators (Adult) •Home Gardeners (Adult) •Homeowners (Adult)  
 •Homeowners - up to 2 acres (Adult) •Master Gardener Trainees (Adult) •Media People (Adult)  
 •Natural Resource Professional (Adult) •Parent Educators (Adult) •Parents (Adult) •Pesticide Applicator Training Participants (Adult)  
 •Pesticide Applicators (Adult) •Policy Makers (Adult) •Scientists (Adult) •Student (Adult)  
 •Students (Youth) •Teachers (Adult)

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

**1. Standard output measures**

**Target for the number of persons (contacts) reached through direct and indirect contact methods**

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
Plan	7275	27000	5960	0
2008	11725	252112	6650	0

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

**Patent Applications Submitted**

Year	Target
Plan:	0
2008 :	0

**Patents listed**

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

**Number of Peer Reviewed Publications**

	Extension	Research	Total
Plan	0	0	
2008	0	0	0

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

**Output Target**

**Output #1****Output Measure**

- Direct - AV Resource

*Not reporting on this Output for this Annual Report*

**Output #2****Output Measure**

- Direct - Collaborative or Cooperative Effort

Year	Target	Actual
2008	2455	4326

**Output #3****Output Measure**

- Direct - Course

*Not reporting on this Output for this Annual Report*

**Output #4****Output Measure**

- Direct - Demonstration Project

*Not reporting on this Output for this Annual Report*

**Output #5****Output Measure**

- Direct - Display or exhibit

*Not reporting on this Output for this Annual Report*

**Output #6****Output Measure**

- Direct - Group Presentation

*Not reporting on this Output for this Annual Report*

**Output #7****Output Measure**

- Direct - Public Presentation

*Not reporting on this Output for this Annual Report*

**Output #8****Output Measure**

- Direct - Seminar

*Not reporting on this Output for this Annual Report*

**Output #9****Output Measure**

- Direct - Site visit

*Not reporting on this Output for this Annual Report*

**Output #10****Output Measure**

- Direct - Volunteer Training

*Not reporting on this Output for this Annual Report*

**Output #11****Output Measure**

- Direct - Workshop - series

*Not reporting on this Output for this Annual Report*

**Output #12****Output Measure**

- Direct - Workshop - single session

*Not reporting on this Output for this Annual Report*

**Output #13****Output Measure**

- Indirect - Applied Research



Year	Target	Actual
2008	3	1

**Output #14****Output Measure**

- Indirect - Publication - booklet

Year	Target	Actual
2008	1	30

**Output #15****Output Measure**

- Indirect - Publication - fact sheet

*Not reporting on this Output for this Annual Report*

**Output #16****Output Measure**

- Indirect - Publication - manual

Year	Target	Actual
2008	1000	939

**Output #17****Output Measure**

- Indirect - Publication - newsletter

*Not reporting on this Output for this Annual Report*

**Output #18****Output Measure**

- Indirect - Website

*Not reporting on this Output for this Annual Report*

**Output #19****Output Measure**

- Direct - Audio Visual Resource

Year	Target	Actual
2008	{No Data Entered}	170

**Output #20****Output Measure**

- Direct - Educational Programs or Projects

Year	Target	Actual
2008	{No Data Entered}	4079

**Output #21****Output Measure**

- Direct - Train the Trainer or Volunteer Training

Year	Target	Actual
2008	{No Data Entered}	9

**Output #22****Output Measure**

- Indirect - Media and Internet

Year	Target	Actual
2008	{No Data Entered}	32687

**Output #23****Output Measure**

- Indirect - Professional, Peer-reviewed, or Refereed, Scholarship

Year	Target	Actual
2008	{No Data Entered}	6

**Output #24****Output Measure**

- Indirect - Publication in the Popular Media

Year	Target	Actual
2008	{No Data Entered}	3436

## V(G). State Defined Outcomes

## V. State Defined Outcomes Table of Content

O No.	OUTCOME NAME
1	Adopt and maintain integrated pest management strategies
2	Access relevant UMCE publications.
3	Access relevant UMCE web-based resources
4	Demonstrate IPM techniques
5	Demonstrate how to apply pesticides safely and effectively
6	Demonstrate how to diagnose pest problems
7	Demonstrate how to manage pests based on appropriate thresholds
8	Describe IPM techniques
9	Describe advantages of new technologies to improve crop yield and quality and to reduce environmental impacts and off-farm inputs
10	Describe alternative pest manage techniques
11	Describe environmental risks
12	Describe insects that affect agriculture
13	Describe integrated pest management (IPM) in wild blueberries and cranberries.
14	Describe personal risks
15	Describe plant and animal disorders
16	Describe sound agricultural practices
17	Use UMaine Diagnostic Services
18	Acquire pesticide applicator certification
19	Adopt IPM strategies
20	Adopt appropriate technologies
21	Adopt practices that maintain long-term productivity
22	Adopt practices that maintain profitability
23	Develop environmentally sound technologies that improve economic viability
24	Expand IPM
25	Identify and respond to pest issues
26	Identify and respond to plant and animal disorders
27	Improve IPM
28	Maintain pesticide applicator certification
29	Make better decisions regarding pest management
30	Reduce the use of high-risk pesticides
31	Use pesticides safely
32	Use relevant UMCE web-based resources
33	Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
34	Enhance the safety, sustainability, and dependability of Maine's food supply.
35	Describe cultural pest control practices
36	Describe the financial benefits of integrated pest management
37	Scout crops for pests
38	Describe IPM technologies and benefits
39	Describe production practices for wild blueberries and/or cranberries
40	Describe the health benefits of consuming wild blueberries and cranberries
41	Dollars saved

42	Expand Integrated Pest Management
43	Improve Integrated Pest Management
44	Use relevant UMaine Extension web-based resources

**Outcome #1**

**1. Outcome Measures**

Adopt and maintain integrated pest management strategies

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	366	2085

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
215	Biological Control of Pests Affecting Plants
212	Pathogens and Nematodes Affecting Plants
211	Insects, Mites, and Other Arthropods Affecting Plants
721	Insects and Other Pests Affecting Humans
216	Integrated Pest Management Systems

**Outcome #2**

**1. Outcome Measures**

Access relevant UMCE publications.

*Not reporting on this Outcome for this Annual Report*

**Outcome #3**

**1. Outcome Measures**

Access relevant UMCE web-based resources

*Not reporting on this Outcome for this Annual Report*

**Outcome #4**

**1. Outcome Measures**

Demonstrate IPM techniques

*Not reporting on this Outcome for this Annual Report*

**Outcome #5**

**1. Outcome Measures**

Demonstrate how to apply pesticides safely and effectively

*Not reporting on this Outcome for this Annual Report*

**Outcome #6**

**1. Outcome Measures**

Demonstrate how to diagnose pest problems

*Not reporting on this Outcome for this Annual Report*

**Outcome #7**

**1. Outcome Measures**

Demonstrate how to manage pests based on appropriate thresholds

*Not reporting on this Outcome for this Annual Report*

**Outcome #8**

**1. Outcome Measures**

Describe IPM techniques

*Not reporting on this Outcome for this Annual Report*

**Outcome #9**

**1. Outcome Measures**

Describe advantages of new technologies to improve crop yield and quality and to reduce environmental impacts and off-farm inputs

*Not reporting on this Outcome for this Annual Report*

**Outcome #10**

**1. Outcome Measures**

Describe alternative pest manage techniques

*Not reporting on this Outcome for this Annual Report*

**Outcome #11**

**1. Outcome Measures**

Describe environmental risks

*Not reporting on this Outcome for this Annual Report*

**Outcome #12**

**1. Outcome Measures**

Describe insects that affect agriculture

*Not reporting on this Outcome for this Annual Report*

**Outcome #13**

**1. Outcome Measures**

Describe integrated pest management (IPM) in wild blueberries and cranberries.

*Not reporting on this Outcome for this Annual Report*

**Outcome #14**

**1. Outcome Measures**

Describe personal risks

*Not reporting on this Outcome for this Annual Report*

**Outcome #15**

**1. Outcome Measures**

Describe plant and animal disorders

*Not reporting on this Outcome for this Annual Report*

**Outcome #16**

**1. Outcome Measures**

Describe sound agricultural practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #17**

**1. Outcome Measures**

Use UMaine Diagnostic Services

*Not reporting on this Outcome for this Annual Report*

**Outcome #18**

**1. Outcome Measures**

Acquire pesticide applicator certification

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	590	925

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
216	Integrated Pest Management Systems

**Outcome #19**

**1. Outcome Measures**

Adopt IPM strategies

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	100	216

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
216	Integrated Pest Management Systems

**Outcome #20**

**1. Outcome Measures**

Adopt appropriate technologies

*Not reporting on this Outcome for this Annual Report*

**Outcome #21**

**1. Outcome Measures**

Adopt practices that maintain long-term productivity

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	420	294

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
216	Integrated Pest Management Systems

**Outcome #22**

**1. Outcome Measures**

Adopt practices that maintain profitability

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	420	307

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
216	Integrated Pest Management Systems

**Outcome #23**

**1. Outcome Measures**

Develop environmentally sound technologies that improve economic viability

*Not reporting on this Outcome for this Annual Report*

**Outcome #24**

**1. Outcome Measures**

Expand IPM

*Not reporting on this Outcome for this Annual Report*

**Outcome #25**

**1. Outcome Measures**

Identify and respond to pest issues

**2. Associated Institution Types**

•1862 Extension



**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	2322	3182

**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
216	Integrated Pest Management Systems
721	Insects and Other Pests Affecting Humans
215	Biological Control of Pests Affecting Plants

**Outcome #26**

**1. Outcome Measures**

Identify and respond to plant and animal disorders

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	250	1482

**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
215	Biological Control of Pests Affecting Plants
212	Pathogens and Nematodes Affecting Plants
721	Insects and Other Pests Affecting Humans
216	Integrated Pest Management Systems

**Outcome #27**

**1. Outcome Measures**

Improve IPM

*Not reporting on this Outcome for this Annual Report*

**Outcome #28**

**1. Outcome Measures**

Maintain pesticide applicator certification

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	3600	2611

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
216	Integrated Pest Management Systems

**Outcome #29**

**1. Outcome Measures**

Make better decisions regarding pest management

*Not reporting on this Outcome for this Annual Report*

**Outcome #30**

**1. Outcome Measures**

Reduce the use of high-risk pesticides

*Not reporting on this Outcome for this Annual Report*

**Outcome #31**

**1. Outcome Measures**

Use pesticides safely

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	800	342

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
213	Weeds Affecting Plants
721	Insects and Other Pests Affecting Humans
211	Insects, Mites, and Other Arthropods Affecting Plants
212	Pathogens and Nematodes Affecting Plants
215	Biological Control of Pests Affecting Plants
216	Integrated Pest Management Systems

**Outcome #32**

**1. Outcome Measures**

Use relevant UMCE web-based resources

*Not reporting on this Outcome for this Annual Report*

**Outcome #33**

**1. Outcome Measures**

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.

*Not reporting on this Outcome for this Annual Report*

**Outcome #34**

**1. Outcome Measures**

Enhance the safety, sustainability, and dependability of Maine's food supply.

*Not reporting on this Outcome for this Annual Report*

**Outcome #35**

**1. Outcome Measures**

Describe cultural pest control practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #36**

**1. Outcome Measures**

Describe the financial benefits of integrated pest management

*Not reporting on this Outcome for this Annual Report*

**Outcome #37**

**1. Outcome Measures**

Scout crops for pests

*Not reporting on this Outcome for this Annual Report*

**Outcome #38**

**1. Outcome Measures**

Describe IPM technologies and benefits

*Not reporting on this Outcome for this Annual Report*

**Outcome #39**

**1. Outcome Measures**

Describe production practices for wild blueberries and/or cranberries

*Not reporting on this Outcome for this Annual Report*

**Outcome #40**

**1. Outcome Measures**

Describe the health benefits of consuming wild blueberries and cranberries

*Not reporting on this Outcome for this Annual Report*

**Outcome #41**

**1. Outcome Measures**

Dollars saved

*Not reporting on this Outcome for this Annual Report*

**Outcome #42**

**1. Outcome Measures**

Expand Integrated Pest Management

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	185

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
215	Biological Control of Pests Affecting Plants
216	Integrated Pest Management Systems
721	Insects and Other Pests Affecting Humans

**Outcome #43**

**1. Outcome Measures**

Improve Integrated Pest Management  
*Not reporting on this Outcome for this Annual Report*

**Outcome #44**

**1. Outcome Measures**

Use relevant UMaine Extension web-based resources  
*Not reporting on this Outcome for this Annual Report*

**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
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration,new cultural groupings,etc.)

**Brief Explanation**

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**1. Evaluation Studies Planned**

- After Only (post program)
- Comparison between locales where the program operates and sites without program intervention

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}

**Program #15**

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

**1. Name of the Planned Program**

Sustainable Communities

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

**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
111	Conservation and Efficient Use of Water	15%			
112	Watershed Protection and Management	15%			
133	Pollution Prevention and Mitigation	10%			
136	Conservation of Biological Diversity	10%			
403	Waste Disposal, Recycling, and Reuse	10%			
605	Natural Resource and Environmental Economics	10%			
608	Community Resource Planning and Development	10%			
724	Healthy Lifestyle	10%			
802	Human Development and Family Well-Being	5%			
803	Sociological and Technological Change Affecting Individuals, Families and Communities	5%			
	<b>Total</b>	100%			

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

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

Year: 2008	Extension		Research	
	1862	1890	1862	1890
<b>Plan</b>	2.1	0.0	0.0	0.0
<b>Actual</b>	0.7	0.0	0.0	0.0

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

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
22607	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
69405	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
91244	0	0	0

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

**1. Brief description of the Activity**

•Food Donated to food cupboards and soup kitchens •Public Issue education through facilitated community forums and conferences •Public Issue Education via Talk of the Towns and Family Radio Forum •Smart Growth Demonstration Projects •Smart Growth Programming •Sustainable Communities Related (curriculum) •Sustainable Communities Related (publication)

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

•Business Owners - current (Adult) •Business Owners - potential (Adult) •Community Leaders (Adult)  
 •Community Members (Adult) •Consumers (Adult) •Extension - all staff (Adult) •Home Gardeners (Adult)  
 •Master Gardener Trainees (Adult) •Radio Program Audience (Adult)

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

**1. Standard output measures**

**Target for the number of persons (contacts) reached through direct and indirect contact methods**

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
Plan	815	7500	0	0
2008	183	7540	0	39

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

**Patent Applications Submitted**

Year	Target
Plan:	0
2008 :	0

**Patents listed**

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

**Number of Peer Reviewed Publications**

	Extension	Research	Total
Plan	0	0	
2008	0	0	0

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

**Output Target**

**Output #1**

**Output Measure**

- Direct - Conference or symposium; Planning and/or participation  
*Not reporting on this Output for this Annual Report*

**Output #2**

**Output Measure**

- Direct - Demonstration Project  
*Not reporting on this Output for this Annual Report*

**Output #3**

**Output Measure**

- Direct - Public Presentation  
*Not reporting on this Output for this Annual Report*

**Output #4**

**Output Measure**

- Direct - Seminar  
*Not reporting on this Output for this Annual Report*

**Output #5**

**Output Measure**

- Direct - Workshop - series  
*Not reporting on this Output for this Annual Report*

**Output #6**

**Output Measure**

- Direct - Workshop - single session  
*Not reporting on this Output for this Annual Report*

**Output #7**

**Output Measure**

- Indirect - Radio Program  
*Not reporting on this Output for this Annual Report*

**Output #8**

**Output Measure**

- Direct - Conference/Symposium

Year	Target	Actual
2008	{No Data Entered}	1

**Output #9**

**Output Measure**

- Direct - Educational Programs or Projects

Year	Target	Actual
2008	{No Data Entered}	31

**Output #10**

**Output Measure**

- Indirect - Media and Internet

Year	Target	Actual
2008	{No Data Entered}	24

**Output #11**

**Output Measure**

- Indirect - Professional, Peer-reviewed, or Refereed, Scholarship

Year	Target	Actual
2008	{No Data Entered}	24



**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

O No.	OUTCOME NAME
1	Promote community responsibility and action
2	Promote personal responsibility and action
3	Reduce use of fossil fuels
4	Reduce waste stream
5	Reduces greenhouse gasses
6	Demonstrate how to assess and manage marine resources
7	Demonstrate how to compost
8	Demonstrate how to evaluate the effectiveness of existing policies or practices
9	Demonstrate how to influence environmentally-sound public policies
10	Demonstrate sustainable living principles and practices
11	Describe fisheries management practices that are environmentally and socially sound and lead to long-term economic viability
12	Describe how to balance ecological, social and economic needs
13	Describe importance of involving a broad range of stakeholders to assess the skills, resources, opportunities present in their community
14	Describe sources of locally-produced food
15	Describe sustainable living principles and practices
16	Describe the effects of individual and cumulative decisions and actions on local and global ecosystems
17	Describe water and land interaction, and related water-quality issues
18	Describe ways to reduce climate change
19	Adopt appropriate practices
20	Adopt appropriate technologies
21	Adopt lower impact lifestyles
22	Conduct community service or outreach
23	Develop local food production and distribution systems
24	Increase consumption of locally-grown food
25	Increase levels of community participation and decision making
26	Make better decisions regarding natural resource management
27	Demonstrate ecologically-sound household management practices
28	Demonstrate how to identify and access existing policies or practices
29	Demonstrate how to reduce, reuse, recycle, and refuse
30	Demonstrate strategies to create a preferred community future
31	Describe ecological principles
32	Describe ecologically-sound household management practices
33	Describe the importance and values of community involvement
34	Describe the process involved in affecting change in public policy
35	Assess community needs
36	Balance roles, responsibilities, and stress
37	Compost
38	Facilitate community discussions
39	Increase use of Maine-produced natural resources
40	Consume less

41	Create demonstration model
42	Develop public policies or practices
43	Engage positively in their community
44	Evaluate or analyze existing public policies or practices
45	Promote healthy relationships
46	Promote municipal responsibility and action
47	Reduce pesticide use
48	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
49	Increase the economic and social viability and sustainability of Maine communities.
50	Protect and enhance Maine's natural resources and environment through sustainable stewardship.
51	Develop a marketing plan
52	Develop new products
53	Expand and enhance markets
54	Improve crop quality and marketability
55	Increase purchase of Maine products
56	Pounds of food donated
57	Start viable alternative enterprises based on sustainable use of natural resources (forest, marine, agriculture)
58	Adopt appropriate practices Adopt lower impact lifestyles Conduct community service or outreach Develop local food production and distribution systems Increase consumption of locally-grown food Increase levels of community participation and decision making Compost Facilitate community discussions Create demonstration model Engage positively in their community Promote municipal responsibility and action

**Outcome #1**

**1. Outcome Measures**

Promote community responsibility and action

*Not reporting on this Outcome for this Annual Report*

**Outcome #2**

**1. Outcome Measures**

Promote personal responsibility and action

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	70	93

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

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

**Outcome #3**

**1. Outcome Measures**

Reduce use of fossil fuels

*Not reporting on this Outcome for this Annual Report*

**Outcome #4**

**1. Outcome Measures**

Reduce waste stream

*Not reporting on this Outcome for this Annual Report*

**Outcome #5**

**1. Outcome Measures**

Reduces greenhouse gasses

*Not reporting on this Outcome for this Annual Report*

**Outcome #6**

**1. Outcome Measures**

Demonstrate how to assess and manage marine resources  
*Not reporting on this Outcome for this Annual Report*

**Outcome #7**

**1. Outcome Measures**

Demonstrate how to compost  
*Not reporting on this Outcome for this Annual Report*

**Outcome #8**

**1. Outcome Measures**

Demonstrate how to evaluate the effectiveness of existing policies or practices  
*Not reporting on this Outcome for this Annual Report*

**Outcome #9**

**1. Outcome Measures**

Demonstrate how to influence environmentally-sound public policies  
*Not reporting on this Outcome for this Annual Report*

**Outcome #10**

**1. Outcome Measures**

Demonstrate sustainable living principles and practices  
*Not reporting on this Outcome for this Annual Report*

**Outcome #11**

**1. Outcome Measures**

Describe fisheries management practices that are environmentally and socially sound and lead to long-term economic viability  
*Not reporting on this Outcome for this Annual Report*

**Outcome #12**

**1. Outcome Measures**

Describe how to balance ecological, social and economic needs  
*Not reporting on this Outcome for this Annual Report*

**Outcome #13**

**1. Outcome Measures**

Describe importance of involving a broad range of stakeholders to assess the skills, resources, opportunities present in their community  
*Not reporting on this Outcome for this Annual Report*

**Outcome #14**

**1. Outcome Measures**

Describe sources of locally-produced food  
*Not reporting on this Outcome for this Annual Report*

**Outcome #15**

**1. Outcome Measures**

Describe sustainable living principles and practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #16**

**1. Outcome Measures**

Describe the effects of individual and cumulative decisions and actions on local and global ecosystems

*Not reporting on this Outcome for this Annual Report*

**Outcome #17**

**1. Outcome Measures**

Describe water and land interaction, and related water-quality issues

*Not reporting on this Outcome for this Annual Report*

**Outcome #18**

**1. Outcome Measures**

Describe ways to reduce climate change

*Not reporting on this Outcome for this Annual Report*

**Outcome #19**

**1. Outcome Measures**

Adopt appropriate practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #20**

**1. Outcome Measures**

Adopt appropriate technologies

*Not reporting on this Outcome for this Annual Report*

**Outcome #21**

**1. Outcome Measures**

Adopt lower impact lifestyles

*Not reporting on this Outcome for this Annual Report*

**Outcome #22**

**1. Outcome Measures**

Conduct community service or outreach

*Not reporting on this Outcome for this Annual Report*

**Outcome #23**

**1. Outcome Measures**

Develop local food production and distribution systems

*Not reporting on this Outcome for this Annual Report*

**Outcome #24**

**1. Outcome Measures**

Increase consumption of locally-grown food

*Not reporting on this Outcome for this Annual Report*

**Outcome #25**

**1. Outcome Measures**

Increase levels of community participation and decision making

*Not reporting on this Outcome for this Annual Report*

**Outcome #26**

**1. Outcome Measures**

Make better decisions regarding natural resource management

*Not reporting on this Outcome for this Annual Report*

**Outcome #27**

**1. Outcome Measures**

Demonstrate ecologically-sound household management practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #28**

**1. Outcome Measures**

Demonstrate how to identify and access existing policies or practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #29**

**1. Outcome Measures**

Demonstrate how to reduce, reuse, recycle, and refuse

*Not reporting on this Outcome for this Annual Report*

**Outcome #30**

**1. Outcome Measures**

Demonstrate strategies to create a preferred community future

*Not reporting on this Outcome for this Annual Report*

**Outcome #31**

**1. Outcome Measures**

Describe ecological principles

*Not reporting on this Outcome for this Annual Report*

**Outcome #32**

**1. Outcome Measures**

Describe ecologically-sound household management practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #33**

**1. Outcome Measures**

Describe the importance and values of community involvement

*Not reporting on this Outcome for this Annual Report*

**Outcome #34**

**1. Outcome Measures**

Describe the process involved in affecting change in public policy

*Not reporting on this Outcome for this Annual Report*

**Outcome #35**

**1. Outcome Measures**

Assess community needs

*Not reporting on this Outcome for this Annual Report*

**Outcome #36**

**1. Outcome Measures**

Balance roles, responsibilities, and stress

*Not reporting on this Outcome for this Annual Report*

**Outcome #37**

**1. Outcome Measures**

Compost

*Not reporting on this Outcome for this Annual Report*

**Outcome #38**

**1. Outcome Measures**

Facilitate community discussions

*Not reporting on this Outcome for this Annual Report*

**Outcome #39**

**1. Outcome Measures**

Increase use of Maine-produced natural resources

*Not reporting on this Outcome for this Annual Report*

**Outcome #40**

**1. Outcome Measures**

Consume less

*Not reporting on this Outcome for this Annual Report*

**Outcome #41**

**1. Outcome Measures**

Create demonstration model

*Not reporting on this Outcome for this Annual Report*

**Outcome #42**

**1. Outcome Measures**

Develop public policies or practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #43**

**1. Outcome Measures**

Engage positively in their community

*Not reporting on this Outcome for this Annual Report*

**Outcome #44**

**1. Outcome Measures**

Evaluate or analyze existing public policies or practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #45**

**1. Outcome Measures**

Promote healthy relationships

*Not reporting on this Outcome for this Annual Report*

**Outcome #46**

**1. Outcome Measures**

Promote municipal responsibility and action

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	25	34

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
608	Community Resource Planning and Development

**Outcome #47**



**1. Outcome Measures**

Reduce pesticide use

*Not reporting on this Outcome for this Annual Report*

**Outcome #48**

**1. Outcome Measures**

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

*Not reporting on this Outcome for this Annual Report*

**Outcome #49**

**1. Outcome Measures**

Increase the economic and social viability and sustainability of Maine communities.

*Not reporting on this Outcome for this Annual Report*

**Outcome #50**

**1. Outcome Measures**

Protect and enhance Maine's natural resources and environment through sustainable stewardship.

*Not reporting on this Outcome for this Annual Report*

**Outcome #51**

**1. Outcome Measures**

Develop a marketing plan

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	229

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
605	Natural Resource and Environmental Economics
403	Waste Disposal, Recycling, and Reuse
608	Community Resource Planning and Development

**Outcome #52****1. Outcome Measures**

Develop new products

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	20

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)****What has been done****Results****4. Associated Knowledge Areas**

KA Code	Knowledge Area
605	Natural Resource and Environmental Economics
803	Sociological and Technological Change Affecting Individuals, Families and Communities
608	Community Resource Planning and Development
403	Waste Disposal, Recycling, and Reuse

**Outcome #53****1. Outcome Measures**

Expand and enhance markets

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	290

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)****What has been done****Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
608	Community Resource Planning and Development
605	Natural Resource and Environmental Economics
803	Sociological and Technological Change Affecting Individuals, Families and Communities

**Outcome #54**

**1. Outcome Measures**

Improve crop quality and marketability

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	780

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
608	Community Resource Planning and Development
605	Natural Resource and Environmental Economics
136	Conservation of Biological Diversity
803	Sociological and Technological Change Affecting Individuals, Families and Communities

**Outcome #55**

**1. Outcome Measures**

Increase purchase of Maine products

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	76

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
605	Natural Resource and Environmental Economics
608	Community Resource Planning and Development
133	Pollution Prevention and Mitigation
803	Sociological and Technological Change Affecting Individuals, Families and Communities
136	Conservation of Biological Diversity

**Outcome #56**

**1. Outcome Measures**

Pounds of food donated

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	69895

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
608	Community Resource Planning and Development
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families and Communities

**Outcome #57**

**1. Outcome Measures**

Start viable alternative enterprises based on sustainable use of natural resources (forest, marine, agriculture)

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	6

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
803	Sociological and Technological Change Affecting Individuals, Families and Communities
136	Conservation of Biological Diversity
608	Community Resource Planning and Development
605	Natural Resource and Environmental Economics

**Outcome #58**

**1. Outcome Measures**

Adopt appropriate practices Adopt lower impact lifestyles Conduct community service or outreach Develop local food production and distribution systems Increase consumption of locally-grown food Increase levels of community participation and decision making Compost Facilitate community discussions Create demonstration model Engage positively in their community Promote municipal responsibility and action

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	0

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

**Issue (Who cares and Why)**

Master Gardeners Add Value to Maine Communities: Great communities are not the result of building codes and town council edicts, but are a result of dynamic community members and their engagement with others to bring vitality and improvement to the places where they live.

**What has been done**

The UMaine Extension Master Gardener Program trains volunteers to be community educators who provide science-based information on horticulture and environmentally sound gardening practices within their communities, and who offer their leadership for community improvement projects. Last year, more than 1,100 of our Master Gardener volunteers gave an estimated 23,360 hours of their time to lead a wide variety of community-based horticulture-related projects in Maine communities.

## Results

When the value of volunteer time that is invested in community improvements is calculated based on \$15.25 per hour as determined by independent sector.org, the financial contribution is over \$356,000, and the value of the projects to communities is many times more. Some examples of recent projects:

• Brae Maple Farm Master Gardener Volunteers hosted more than 300 visitors at an open farm day where they demonstrated organic growing methods, mulching, drip irrigation, composting, herb lore and culture, and the preparation of healthy food.

• Four Master Gardener Volunteers spearheaded an effort in Yarmouth to establish the Yarmouth Elementary School garden and interact across disciplines to work with teachers and teach students about nutrition, gardening, plant biology and economics.

• A Penobscot County Master Gardener Volunteer worked with the city of Brewer to develop a children's garden that will not only create ongoing educational opportunities for youth, but is a part of the new waterfront development project along the Penobscot river, a major economic development effort for the town.

### 4. Associated Knowledge Areas

KA Code	Knowledge Area
724	Healthy Lifestyle
608	Community Resource Planning and Development

## 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
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

### Brief Explanation

## V(I). Planned Program (Evaluation Studies and Data Collection)

### 1. Evaluation Studies Planned

- Retrospective (post program)
- Before-After (before and after program)
- Comparisons between program participants (individuals, group, organizations) and non-participants
- Comparisons between different groups of individuals or program participants experiencing different levels of program intensity.

## Evaluation Results

### Key Items of Evaluation

**Program #16**

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

**1. Name of the Planned Program**

Watershed Management

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

**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
101	Appraisal of Soil Resources	10%		10%	
111	Conservation and Efficient Use of Water	20%		20%	
112	Watershed Protection and Management	20%		20%	
131	Alternative Uses of Land	10%		10%	
132	Weather and Climate	15%		15%	
403	Waste Disposal, Recycling, and Reuse	10%		10%	
901	Program and Project Design, and Statistics	15%		15%	
	<b>Total</b>	100%		100%	

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

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

Year: 2008	Extension		Research	
	1862	1890	1862	1890
<b>Plan</b>	1.4	0.0	0.5	0.0
<b>Actual</b>	0.9	0.0	0.2	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
0	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
159050	0	0	0

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

**1. Brief description of the Activity**

•Direct - Conference/Symposium    •Direct - Educational Programs or Projects    •Direct - Consultation    •Outreach  
 Planning for Lake Groups Training    •Watershed Management Related (publication)    •Watershed Stewards Program

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

•Agency Staff or Professionals (Adult)    •Coalition Members (Adult)    •Municipal Officials (Adult)    •Natural  
 Resource Professional (Adult)    •Scientists (Adult)    •Students (Youth)    •Volunteers (Adult)    •Watershed  
 Stewards (Adult)    •Youth (Youth)

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

**1. Standard output measures**

**Target for the number of persons (contacts) reached through direct and indirect contact methods**

	<b>Direct Contacts Adults</b>	<b>Indirect Contacts Adults</b>	<b>Direct Contacts Youth</b>	<b>Indirect Contacts Youth</b>
<b>Year</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>
<b>Plan</b>	98	0	10	0
2008	185	500	548	0

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

**Patent Applications Submitted**

<b>Year</b>	<b>Target</b>
<b>Plan:</b>	0
2008 :	0

**Patents listed**

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

**Number of Peer Reviewed Publications**

	<b>Extension</b>	<b>Research</b>	<b>Total</b>
<b>Plan</b>	0	0	
2008	0	0	0

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

**Output Target**

**Output #1**

**Output Measure**

- Direct - Public Presentation

*Not reporting on this Output for this Annual Report*

**Output #2**

**Output Measure**

- Direct - Workshop - series

*Not reporting on this Output for this Annual Report*

**Output #3**

**Output Measure**

- Direct - Workshop - single session

*Not reporting on this Output for this Annual Report*

**Output #4**

**Output Measure**

- Direct - Educational Programs or Projects

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	{No Data Entered}	9

**Output #5**

**Output Measure**

- Indirect - Professional, Peer-reviewed, or Refereed, Scholarship

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	{No Data Entered}	1



**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

O No.	OUTCOME NAME
1	Define a watershed
2	Demonstrate how to assess and manage marine resources
3	Demonstrate how to create outreach plans
4	Demonstrate how to identify invasive species
5	Demonstrate how to install conservation plantings using primarily native plants
6	Demonstrate knowledge of when and how to obtain a wellwater test
7	Describe how to install or enhance vegetated buffers
8	Describe the effects of individual and cumulative decisions and actions on local and global ecosystems
9	Describe the need for storm water management at individual site
10	Describe the value of community involvement and civic participation
11	Describe threats to freshwater quality
12	Describe threats to water quality from land use practices
13	Describe water and land interaction, and related water-quality issues
14	Conduct a watershed survey
15	Identify pollution sources
16	Install or enhance conservation plantings using primarily native plants
17	Install or enhance vegetated buffers
18	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness
19	Increase the economic and social viability and sustainability of Maine communities
20	Protect and enhance Maine's natural resources and environment through sustainable stewardship
21	Describe how to become involved in local town government
22	Describe the need for storm water management at municipal level
23	Act on the results of a well-water test
24	Address water quality issues when making land and water use and planning decisions
25	Be involved in town government
26	Conduct community service or outreach
27	Identify and remediate pollution sources
28	Promote municipal responsibility and action
29	Test well-water
30	Use services of natural resource professionals
31	Identify pollution sources Install or enhance conservation plantings using primarily native plants Install or enhance vegetated buffers Address water quality issues when making land and water use and planning decisions Identify and remediate pollution sources

**Outcome #1****1. Outcome Measures**

Define a watershed

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	120	435

**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 #2****1. Outcome Measures**

Demonstrate how to assess and manage marine resources

*Not reporting on this Outcome for this Annual Report***Outcome #3****1. Outcome Measures**

Demonstrate how to create outreach plans

*Not reporting on this Outcome for this Annual Report***Outcome #4****1. Outcome Measures**

Demonstrate how to identify invasive species

*Not reporting on this Outcome for this Annual Report***Outcome #5****1. Outcome Measures**

Demonstrate how to install conservation plantings using primarily native plants

*Not reporting on this Outcome for this Annual Report***Outcome #6**

**1. Outcome Measures**

Demonstrate knowledge of when and how to obtain a wellwater test

*Not reporting on this Outcome for this Annual Report*

**Outcome #7**

**1. Outcome Measures**

Describe how to install or enhance vegetated buffers

*Not reporting on this Outcome for this Annual Report*

**Outcome #8**

**1. Outcome Measures**

Describe the effects of individual and cumulative decisions and actions on local and global ecosystems

*Not reporting on this Outcome for this Annual Report*

**Outcome #9**

**1. Outcome Measures**

Describe the need for storm water management at individual site

*Not reporting on this Outcome for this Annual Report*

**Outcome #10**

**1. Outcome Measures**

Describe the value of community involvement and civic participation

*Not reporting on this Outcome for this Annual Report*

**Outcome #11**

**1. Outcome Measures**

Describe threats to freshwater quality

*Not reporting on this Outcome for this Annual Report*

**Outcome #12**

**1. Outcome Measures**

Describe threats to water quality from land use practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #13**

**1. Outcome Measures**

Describe water and land interaction, and related water-quality issues

*Not reporting on this Outcome for this Annual Report*

**Outcome #14**

**1. Outcome Measures**

Conduct a watershed survey

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	20	35

**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 #15**

**1. Outcome Measures**

Identify pollution sources

*Not reporting on this Outcome for this Annual Report*

**Outcome #16**

**1. Outcome Measures**

Install or enhance conservation plantings using primarily native plants

*Not reporting on this Outcome for this Annual Report*

**Outcome #17**

**1. Outcome Measures**

Install or enhance vegetated buffers

*Not reporting on this Outcome for this Annual Report*

**Outcome #18**

**1. Outcome Measures**

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness

*Not reporting on this Outcome for this Annual Report*

**Outcome #19**

**1. Outcome Measures**

Increase the economic and social viability and sustainability of Maine communities

*Not reporting on this Outcome for this Annual Report*

**Outcome #20**

**1. Outcome Measures**

Protect and enhance Maine's natural resources and environment through sustainable stewardship

*Not reporting on this Outcome for this Annual Report*

**Outcome #21**

**1. Outcome Measures**

Describe how to become involved in local town government

*Not reporting on this Outcome for this Annual Report*

**Outcome #22**

**1. Outcome Measures**

Describe the need for storm water management at municipal level

*Not reporting on this Outcome for this Annual Report*

**Outcome #23**

**1. Outcome Measures**

Act on the results of a well-water test

*Not reporting on this Outcome for this Annual Report*

**Outcome #24**

**1. Outcome Measures**

Address water quality issues when making land and water use and planning decisions

*Not reporting on this Outcome for this Annual Report*

**Outcome #25**

**1. Outcome Measures**

Be involved in town government

*Not reporting on this Outcome for this Annual Report*

**Outcome #26**

**1. Outcome Measures**

Conduct community service or outreach

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	5	2045

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
901	Program and Project Design, and Statistics
132	Weather and Climate
112	Watershed Protection and Management
111	Conservation and Efficient Use of Water
403	Waste Disposal, Recycling, and Reuse
101	Appraisal of Soil Resources
131	Alternative Uses of Land

**Outcome #27**

**1. Outcome Measures**

Identify and remediate pollution sources

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	10	75

**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
403	Waste Disposal, Recycling, and Reuse
111	Conservation and Efficient Use of Water

**Outcome #28**

**1. Outcome Measures**

Promote municipal responsibility and action

*Not reporting on this Outcome for this Annual Report*

**Outcome #29**

**1. Outcome Measures**

Test well-water

*Not reporting on this Outcome for this Annual Report*

### **Outcome #30**

#### **1. Outcome Measures**

Use services of natural resource professionals

*Not reporting on this Outcome for this Annual Report*

### **Outcome #31**

#### **1. Outcome Measures**

Identify pollution sources Install or enhance conservation plantings using primarily native plants Install or enhance vegetated buffers Address water quality issues when making land and water use and planning decisions Identify and remediate pollution sources

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

•1862 Extension

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

Change in Action Outcome Measure

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

Year	Quantitative Target	Actual
2008	{No Data Entered}	0

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

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

Citizen Volunteers Protect Local Lakes and Watersheds: Many lakes in Maine continue to be at risk from the effects of watershed erosion. Soil erosion is the greatest threat to water quality in lakes through attached phosphorus that feeds algae leading to algae blooms, dissolved oxygen depletion in the lower depths of the lake, and death of native and beneficial species.

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

For ten years UMaine Extension has facilitated the formation and education of local stewardship groups through our Watershed Stewards program, and engaged with them through a 20-hour certification program. Over 350 individuals within eighteen Watershed Stewards groups are volunteering to protect, improve, and advocate for protection of their local lakes and watershed.

##### **Results**

During 2008 Maine lakes and watersheds benefited from the work of Watershed Stewards groups and ongoing education programs through UMaine Extension.

• Stewards from the watershed feeding Green Lake were awarded a grant of \$50,685 from the Maine Department of Environmental Protection to help them remediate soil erosion. Local residents have pledged to donate \$33,990 in matching funds, for a total project budget of \$84,685.

• Three large Watershed Stewards groups (Branch Lake, Phillips Lake and Pushaw Lake) worked during 2008 to update their watershed surveys to better document current soil erosion threats to their lakes. One group was also awarded a grant \$75,000 from the Maine Department of Environmental Protection to continue their protection efforts and local residents pledged 50,760 in matching funds, for a total project budget of \$125,760 dedicated to watershed and water quality improvements.

• Sebasticook Lake has begun a watershed management planning process, in order to develop a long-term plan to further improve the water quality of the lake. The lake has benefited from DEP and Penobscot County soil and water conservation district projects, including flushing out algae from the lake in the fall each year via a drawdown. Plans to educate residents on septic systems, wellwater, and managing runoff on individual properties are underway, with additional workshops planned for summer 2009.

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

KA Code	Knowledge Area
112	Watershed Protection and Management

111	Conservation and Efficient Use of Water
101	Appraisal of Soil Resources

**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
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

**Brief Explanation**

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**1. Evaluation Studies Planned**

- After Only (post program)
- Other (Water Testing)

**Evaluation Results**

**Key Items of Evaluation**



**Program #17**

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

**1. Name of the Planned Program**

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
133	Pollution Prevention and Mitigation	5%		5%	
134	Outdoor Recreation	15%		15%	
724	Healthy Lifestyle	20%		20%	
801	Individual and Family Resource Management	5%		5%	
802	Human Development and Family Well-Being	15%		15%	
803	Sociological and Technological Change Affecting Individuals, Families and Communities	10%		10%	
805	Community Institutions, Health, and Social Services	3%		3%	
806	Youth Development	27%		27%	
<b>Total</b>		<b>100%</b>		<b>100%</b>	

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

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

Year: 2008	Extension		Research	
	1862	1890	1862	1890
<b>Plan</b>	8.9	0.0	0.3	0.0
<b>Actual</b>	6.8	0.0	0.5	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
267195	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
872952	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
150565	0	0	0

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

**1. Brief description of the Activity**

•4-H Afterschool •4-H Civil Rights Teams •4-H Club Leader Development and Support •4-H Club Support •4-H County Club Program •4-H County Club Programs •4-H County Club Programs •4-H Fairs •4-H leader and volunteer development •4-H Leader Development and Support •4-H Livestock Activities •Adult 4-H Volunteer Trainings •County 4-H Leadership Team •Financial Literacy for High School Students •GIS/GPS Training •Healthy Lifestyles- Safe Operation of Farm Tractors and Equipment •Healthy Lifestyles: 4-H School Enrichment •Knox-Lincoln Counties 4-H School Enrichment •Operation Military Kids •Outreach to new audiences - Native American Communities; Operation Military Kids •Promote positive learning experiences that promote healthy life choices. •Science and Technology •Summer Camps - 4-H Day Camp •Tanglewood Leadership Program •Tanglewood Summer Residential Camp •Teen Leadership Council Entrepreneurship Activities •Volunteer Development - Clubs and 4-H Afterschool •York County 4-H Discovery Arts •Youth Adult Tech Teams •Youth Development Related (publication) •Youth Development Related (refereed journal article) •Youth/Adult Partnership Building via Maine Teen Leadership Conferences - EDGE, Bangor, Sunday River

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

•4-H Community or Project Clubs Participants (Youth) •4-H Leader or Project Skills Training Program Participants (Youth) •4-H Leaders (Adult) •4-H Leaders (Youth) •4-H Members (Youth) •4-H Special Interest or Short-Term Program Participants (Youth) •4-H Volunteers (Adult) •4-H Volunteers (Youth) •Agency Staff or Professionals (Adult) •Care Providers for Children (Adult) •Community Members (Adult) •Earth Connections Volunteers (Adult) •Extension Faculty (Adult) •Extension Support Staff (Adult) •Master Gardener Volunteers (Adult) •Nutrition Associates (Adult) •Parents (Adult) •Students (Youth) •Teachers (Adult) •Volunteers (Adult) •Youth (Youth) •Youth Educators (Adult)

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

**1. Standard output measures**

**Target for the number of persons (contacts) reached through direct and indirect contact methods**

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
Plan	1300	0	4600	0
2008	740	2719	4271	6

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

**Patent Applications Submitted**

Year	Target
Plan:	0
2008 :	0

**Patents listed**

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

**Number of Peer Reviewed Publications**

	Extension	Research	Total
Plan	0	0	
2008	0	0	0

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

**Output Target**

**Output #1**

**Output Measure**

- Direct - 4-H After School  
*Not reporting on this Output for this Annual Report*

**Output #2**

**Output Measure**

- Direct - 4-H Club - Community  
*Not reporting on this Output for this Annual Report*

**Output #3**

**Output Measure**

- Direct - 4-H Club - Project  
*Not reporting on this Output for this Annual Report*

**Output #4**

**Output Measure**

- Direct - 4-H Day Camp  
*Not reporting on this Output for this Annual Report*

**Output #5**

**Output Measure**

- Direct - 4-H Overnight Camp  
*Not reporting on this Output for this Annual Report*

**Output #6**

**Output Measure**

- Direct - 4-H School Enrichment  
*Not reporting on this Output for this Annual Report*

**Output #7**

**Output Measure**

- Direct - 4-H Short-term  
*Not reporting on this Output for this Annual Report*

**Output #8**

**Output Measure**

- Direct - 4-H Special Interest  
*Not reporting on this Output for this Annual Report*

**Output #9**

**Output Measure**

- Direct - Experiential Learning  
*Not reporting on this Output for this Annual Report*

**Output #10**

**Output Measure**

- Direct - Collaborative or Cooperative Effort

Year	Target	Actual
2008	5	4

**Output #11**

**Output Measure**

- Direct - Volunteer Training  
*Not reporting on this Output for this Annual Report*

**Output #12**

**Output Measure**

- Direct - Workshop Series  
*Not reporting on this Output for this Annual Report*

**Output #13**

**Output Measure**

- Direct - 4-H Club, Camp, Project, Program

Year	Target	Actual
2008	{No Data Entered}	679

**Output #14**

**Output Measure**

- Direct - Conference/Symposium

Year	Target	Actual
2008	{No Data Entered}	53

**Output #15**

**Output Measure**

- Direct - Consultation

Year	Target	Actual
2008	{No Data Entered}	21

**Output #16**

**Output Measure**

- Direct - Educational Programs or Projects

Year	Target	Actual
2008	{No Data Entered}	1

**Output #17**

**Output Measure**

- Direct - Train the Trainer or Volunteer Training

Year	Target	Actual
2008	{No Data Entered}	91

**Output #18**

**Output Measure**

- Indirect - Professional, Peer-reviewed, or Refereed, Scholarship

Year	Target	Actual
2008	{No Data Entered}	7

**Output #19**

**Output Measure**

- Indirect - Resulting from Train the Trainer

Year	Target	Actual
2008	{No Data Entered}	3

## V(G). State Defined Outcomes

## V. State Defined Outcomes Table of Content

O No.	OUTCOME NAME
1	Demonstrate animal handling practices
2	Demonstrate basic facilitation skills
3	Demonstrate best practices for community groups and organizations
4	Demonstrate conflict management or mediation skills
5	Demonstrate effective collaboration skills and techniques
6	Demonstrate effective relationship skills
7	Demonstrate healthy lifestyle choices
8	Demonstrate how to apply animal behavior principles to safe animal management and handling
9	Demonstrate how to build relationships
10	Demonstrate how to collect and analyze data
11	Demonstrate how to communicate effectively
12	Demonstrate how to confront disrespectful behavior
13	Demonstrate how to create effective partnerships
14	Demonstrate how to create new media that promotes positive human development
15	Demonstrate how to create safe spaces
16	Demonstrate how to effectively lead organizations or community groups
17	Demonstrate how to identify native flora and fauna
18	Demonstrate how to identify needs that can be met through community service activities
19	Demonstrate how to keep good records
20	Demonstrate how to operate farm equipment safely
21	Demonstrate how to reduce, reuse, recycle, and refuse
22	Demonstrate how to respect others
23	Demonstrate how to respond to an emergency situation
24	Demonstrate how to set goals and priorities
25	Demonstrate how to support development of whole people
26	Demonstrate how to use basic facilitation skills to run effective meetings
27	Demonstrate how to use dietary guidelines and food guide pyramid to plan menus or choose foods
28	Demonstrate how to use science process skills
29	Demonstrate how to use technology
30	Demonstrate improved communication skills
31	Demonstrate leadership skills
32	Demonstrate planning and organizational skills
33	Demonstrate positive engagement in their communities
34	Demonstrate project-related science or technology skills
35	Demonstrate public speaking skills
36	Demonstrate safe behavior and safety practices
37	Demonstrate science and technology skills needed in the workforce
38	Describe another culture
39	Describe benefits of community involvement
40	Describe careers in science and technology
41	Describe gender stereotypes and their effects

- |    |   |
|----|---|
| 42 | Describe healthy lifestyle choices  |
| 43 | Describe how to integrate regular physical activity into daily lives in a variety of ways |
| 44 | Describe learning that occurred through a service activity                                |
| 45 | Describe principles of good communication   |
| 46 | Describe science and technology skills needed in the workforce                            |
| 47 | Describe self as part of the web of life  |
| 48 | Describe sustainable living principles and practices                                      |
| 49 | Describe the benefits of physical activity  |
| 50 | Describe the ecosystems where they live   |
| 51 | Describe the effect of cultural and media messages  |
| 52 | Describe the effects of decisions and actions on local and global ecosystems              |
| 53 | Describe the health dangers of childhood obesity  |
| 54 | Describe the laws of ecology  |
| 55 | Describe the value of community involvement and civic participation                       |
| 56 | Demonstrate appreciation of diversity   |
| 57 | Describe the watershed where they live  |
| 58 | Describe ways science and technology skills can be useful to the community                |
| 59 | Describe ways to observe, explore, and experience nature                                  |
| 60 | Develop a plan for increasing physical activity   |
| 61 | Learn to develop a plan to help prevent childhood obesity                                 |
| 62 | Conduct tours of agricultural employers in Maine  |
| 63 | Adopt appropriate technologies  |
| 64 | Adopt lower impact lifestyles   |
| 65 | Adopt the USDA dietary guidelines and the food guide pyramid                              |
| 66 | Assume personal responsibility for health   |
| 67 | Balance roles, responsibilities, and stress   |
| 68 | Be a global citizen   |
| 69 | Conduct community service or outreach   |
| 70 | Conduct community service or outreach using science and technology skills                 |
| 71 | Create and sustain effective partnerships and collaborations                              |
| 72 | Create learning opportunities based on principles of positive human development           |
| 73 | Create learning opportunities that are safe and empowering                                |
| 74 | Develop a financial plan  |
| 75 | Develop a sense of belonging to a community   |
| 76 | Develop community resources   |
| 77 | Develop literacy and critical thinking skills   |
| 78 | Develop skills that promote healthy relationships   |
| 79 | Engage in leadership development  |
| 80 | Engage positively in their community  |
| 81 | Ensure that all people feel safe and accepted   |
| 82 | Facilitate meetings effectively   |
| 83 | Handle animals safely   |
| 84 | Identify and solve problems using science and technology skills                           |
| 85 | Increase capacity to achieve goals  |
| 86 | Increase capacity to establish goals or make decisions                                    |
| 87 | Integrate regular physical activity into daily life                                       |
| 88 | Keep livestock healthy  |
| 89 | Make better decisions   |

90	Make better decisions regarding healthy lifestyle
91	Make better decisions regarding healthy lifestyle using improved literacy and critical thinking skills
92	Manage community resources
93	Model positive group behavior to others
94	Operate equipment safely
95	Participate in leadership roles
96	Participation in 4-H Dairy projects and events
97	Practice safety
98	Support and mentor others in leadership roles
99	Take leadership role
100	Teach effectively
101	Treat all people with dignity and respect
102	Use clear and effective communication skills
103	Use new technologies
104	Work effectively with diverse groups
105	Work productively in a team
106	Enhance the economic and environmental sustainability of Maine agriculture and aquaculture
107	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness
108	Increase the economic and social viability and sustainability of Maine communities
109	Protect and enhance Maine's natural resources and environment through sustainable stewardship
110	Demonstrate animal management skills
111	Demonstrate effective leadership skills and strategies
112	Describe age-appropriate safety practices
113	Describe careers in non-production agriculture
114	Describe diversity
115	Describe science process skills
116	Describe the impact of cultural and media messages
117	Describe the value of diversity
118	Describe the value of good communication
119	Collect information and communicate results
120	Increase volunteerism
121	Lead effectively
122	Promote healthy relationships
123	Protect or conserve biodiversity and habitat including native plant and animal species
124	4-H project record sheets are comprehensive and complete.
125	Adopt record-keeping system
126	Express good feeling about self
127	Make better decisions using records and data
128	Conduct community service or outreach Develop a sense of belonging to a community Develop community resources Engage in leadership development Engage positively in their community Take leadership role Work productively in a team
129	Conduct community service or outreach Engage positively in their community Work productively in a team Increase volunteerism Lead effectively

**Outcome #1**

**1. Outcome Measures**

Demonstrate animal handling practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #2**

**1. Outcome Measures**

Demonstrate basic facilitation skills

*Not reporting on this Outcome for this Annual Report*

**Outcome #3**

**1. Outcome Measures**

Demonstrate best practices for community groups and organizations

*Not reporting on this Outcome for this Annual Report*

**Outcome #4**

**1. Outcome Measures**

Demonstrate conflict management or mediation skills

*Not reporting on this Outcome for this Annual Report*

**Outcome #5**

**1. Outcome Measures**

Demonstrate effective collaboration skills and techniques

*Not reporting on this Outcome for this Annual Report*

**Outcome #6**

**1. Outcome Measures**

Demonstrate effective relationship skills

*Not reporting on this Outcome for this Annual Report*

**Outcome #7**

**1. Outcome Measures**

Demonstrate healthy lifestyle choices

*Not reporting on this Outcome for this Annual Report*

**Outcome #8**

**1. Outcome Measures**

Demonstrate how to apply animal behavior principles to safe animal management and handling

*Not reporting on this Outcome for this Annual Report*

**Outcome #9**

**1. Outcome Measures**

Demonstrate how to build relationships

*Not reporting on this Outcome for this Annual Report*



**Outcome #10**

**1. Outcome Measures**

Demonstrate how to collect and analyze data

*Not reporting on this Outcome for this Annual Report*

**Outcome #11**

**1. Outcome Measures**

Demonstrate how to communicate effectively

*Not reporting on this Outcome for this Annual Report*

**Outcome #12**

**1. Outcome Measures**

Demonstrate how to confront disrespectful behavior

*Not reporting on this Outcome for this Annual Report*

**Outcome #13**

**1. Outcome Measures**

Demonstrate how to create effective partnerships

*Not reporting on this Outcome for this Annual Report*

**Outcome #14**

**1. Outcome Measures**

Demonstrate how to create new media that promotes positive human development

*Not reporting on this Outcome for this Annual Report*

**Outcome #15**

**1. Outcome Measures**

Demonstrate how to create safe spaces

*Not reporting on this Outcome for this Annual Report*

**Outcome #16**

**1. Outcome Measures**

Demonstrate how to effectively lead organizations or community groups

*Not reporting on this Outcome for this Annual Report*

**Outcome #17**

**1. Outcome Measures**

Demonstrate how to identify native flora and fauna

*Not reporting on this Outcome for this Annual Report*

**Outcome #18**

**1. Outcome Measures**

Demonstrate how to identify needs that can be met through community service activities

*Not reporting on this Outcome for this Annual Report*

**Outcome #19**

**1. Outcome Measures**

Demonstrate how to keep good records

*Not reporting on this Outcome for this Annual Report*

**Outcome #20**

**1. Outcome Measures**

Demonstrate how to operate farm equipment safely

*Not reporting on this Outcome for this Annual Report*

**Outcome #21**

**1. Outcome Measures**

Demonstrate how to reduce, reuse, recycle, and refuse

*Not reporting on this Outcome for this Annual Report*

**Outcome #22**

**1. Outcome Measures**

Demonstrate how to respect others

*Not reporting on this Outcome for this Annual Report*

**Outcome #23**

**1. Outcome Measures**

Demonstrate how to respond to an emergency situation

*Not reporting on this Outcome for this Annual Report*

**Outcome #24**

**1. Outcome Measures**

Demonstrate how to set goals and priorities

*Not reporting on this Outcome for this Annual Report*

**Outcome #25**

**1. Outcome Measures**

Demonstrate how to support development of whole people

*Not reporting on this Outcome for this Annual Report*

**Outcome #26**

**1. Outcome Measures**

Demonstrate how to use basic facilitation skills to run effective meetings

*Not reporting on this Outcome for this Annual Report*

**Outcome #27**

**1. Outcome Measures**

Demonstrate how to use dietary guidelines and food guide pyramid to plan menus or choose foods

*Not reporting on this Outcome for this Annual Report*

**Outcome #28**

**1. Outcome Measures**

Demonstrate how to use science process skills

*Not reporting on this Outcome for this Annual Report*

**Outcome #29**

**1. Outcome Measures**

Demonstrate how to use technology

*Not reporting on this Outcome for this Annual Report*

**Outcome #30**

**1. Outcome Measures**

Demonstrate improved communication skills

*Not reporting on this Outcome for this Annual Report*

**Outcome #31**

**1. Outcome Measures**

Demonstrate leadership skills

*Not reporting on this Outcome for this Annual Report*

**Outcome #32**

**1. Outcome Measures**

Demonstrate planning and organizational skills

*Not reporting on this Outcome for this Annual Report*

**Outcome #33**

**1. Outcome Measures**

Demonstrate positive engagement in their communities

*Not reporting on this Outcome for this Annual Report*

**Outcome #34**

**1. Outcome Measures**

Demonstrate project-related science or technology skills

*Not reporting on this Outcome for this Annual Report*

**Outcome #35**

**1. Outcome Measures**

Demonstrate public speaking skills

*Not reporting on this Outcome for this Annual Report*

**Outcome #36**

**1. Outcome Measures**

Demonstrate safe behavior and safety practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #37**

**1. Outcome Measures**

Demonstrate science and technology skills needed in the workforce

*Not reporting on this Outcome for this Annual Report*

**Outcome #38**

**1. Outcome Measures**

Describe another culture

*Not reporting on this Outcome for this Annual Report*

**Outcome #39**

**1. Outcome Measures**

Describe benefits of community involvement

*Not reporting on this Outcome for this Annual Report*

**Outcome #40**

**1. Outcome Measures**

Describe careers in science and technology

*Not reporting on this Outcome for this Annual Report*

**Outcome #41**

**1. Outcome Measures**

Describe gender stereotypes and their effects

*Not reporting on this Outcome for this Annual Report*

**Outcome #42**

**1. Outcome Measures**

Describe healthy lifestyle choices

*Not reporting on this Outcome for this Annual Report*

**Outcome #43**

**1. Outcome Measures**

Describe how to integrate regular physical activity into daily lives in a variety of ways

*Not reporting on this Outcome for this Annual Report*

**Outcome #44**

**1. Outcome Measures**

Describe learning that occurred through a service activity

*Not reporting on this Outcome for this Annual Report*

**Outcome #45**

**1. Outcome Measures**

Describe principles of good communication

*Not reporting on this Outcome for this Annual Report*

**Outcome #46**

**1. Outcome Measures**

Describe science and technology skills needed in the workforce

*Not reporting on this Outcome for this Annual Report*

**Outcome #47**

**1. Outcome Measures**

Describe self as part of the web of life

*Not reporting on this Outcome for this Annual Report*

**Outcome #48**

**1. Outcome Measures**

Describe sustainable living principles and practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #49**

**1. Outcome Measures**

Describe the benefits of physical activity

*Not reporting on this Outcome for this Annual Report*

**Outcome #50**

**1. Outcome Measures**

Describe the ecosystems where they live

*Not reporting on this Outcome for this Annual Report*

**Outcome #51**

**1. Outcome Measures**

Describe the effect of cultural and media messages

*Not reporting on this Outcome for this Annual Report*

**Outcome #52**

**1. Outcome Measures**

Describe the effects of decisions and actions on local and global ecosystems

*Not reporting on this Outcome for this Annual Report*

**Outcome #53**

**1. Outcome Measures**

Describe the health dangers of childhood obesity

*Not reporting on this Outcome for this Annual Report*

**Outcome #54**

**1. Outcome Measures**

Describe the laws of ecology

*Not reporting on this Outcome for this Annual Report*

**Outcome #55**

**1. Outcome Measures**

Describe the value of community involvement and civic participation

*Not reporting on this Outcome for this Annual Report*

**Outcome #56**

**1. Outcome Measures**

Demonstrate appreciation of diversity

*Not reporting on this Outcome for this Annual Report*

**Outcome #57**

**1. Outcome Measures**

Describe the watershed where they live

*Not reporting on this Outcome for this Annual Report*

**Outcome #58**

**1. Outcome Measures**

Describe ways science and technology skills can be useful to the community

*Not reporting on this Outcome for this Annual Report*

**Outcome #59**

**1. Outcome Measures**

Describe ways to observe, explore, and experience nature

*Not reporting on this Outcome for this Annual Report*

**Outcome #60**

**1. Outcome Measures**

Develop a plan for increasing physical activity

*Not reporting on this Outcome for this Annual Report*

**Outcome #61**

**1. Outcome Measures**

Learn to develop a plan to help prevent childhood obesity

*Not reporting on this Outcome for this Annual Report*

**Outcome #62**

**1. Outcome Measures**

Conduct tours of agricultural employers in Maine

*Not reporting on this Outcome for this Annual Report*

**Outcome #63**

**1. Outcome Measures**

Adopt appropriate technologies

*Not reporting on this Outcome for this Annual Report*

**Outcome #64**

**1. Outcome Measures**

Adopt lower impact lifestyles

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	750	753

**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
802	Human Development and Family Well-Being
134	Outdoor Recreation
724	Healthy Lifestyle

**Outcome #65**

**1. Outcome Measures**

Adopt the USDA dietary guidelines and the food guide pyramid

*Not reporting on this Outcome for this Annual Report*

**Outcome #66**

**1. Outcome Measures**

Assume personal responsibility for health

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	215	30

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
134	Outdoor Recreation
806	Youth Development
724	Healthy Lifestyle

**Outcome #67**

**1. Outcome Measures**

Balance roles, responsibilities, and stress

*Not reporting on this Outcome for this Annual Report*

**Outcome #68**

**1. Outcome Measures**

Be a global citizen

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	235	130

**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
801	Individual and Family Resource Management
724	Healthy Lifestyle
802	Human Development and Family Well-Being
134	Outdoor Recreation

**Outcome #69**

**1. Outcome Measures**

Conduct community service or outreach



**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	1400	2045

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

A Mile of Pennies for Hunger: According to the USDA, an estimated 12.4 million children lived in food insecure households in 2007, and more than 40 percent of Maine kids under the age of 12 show some evidence of hunger. Children living in households which experience the risk of hunger are more likely to experience developmental, health, or school related problems. Several factors contribute to hunger in Maine, including cost of living, underemployment, and lack of consumer understanding of good nutrition.

**What has been done**

The Mile of Pennies for Produce Campaign began when a local 4-H Club decided to collect and donate enough pennies to cover the distance between the club's meeting place and a local food pantry. Their Leaders Association sponsored events to raise pennies to contribute and a local business challenged other area businesses to match their donation of \$125. A total of 123 volunteers helped, who counted and rolled pennies, tallied and bagged food donations, and delivered the donations to the Come Spring Food Pantry.

**Results**

Through the efforts of 4-H youth, volunteers, and local businesses 100,000 pennies (\$1,000) were collected and donated, which will provide food with a retail value of approximately \$12,500 to local children and families who are in need. In addition, 130 pounds of food and personal care items was donated to supplement the cash contribution. Youth that participated in this project learned about leadership skills and the value of becoming active citizens in their communities; and their success has encouraged the community to recognize the issue and become more involved in helping to eliminate food insecurity. The project inspired three other 4-H groups to do similar projects in their towns. The ULLA 4-H Club will continue their benevolence by starting a Plant- A-Row for the Hungry garden this summer and will donate the food to their local food pantry. One 4-H member stated "I'm going to collect more pennies because one in eight people are hungry every day, and my pennies make a difference."

**4. Associated Knowledge Areas**

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

**Outcome #70****1. Outcome Measures**

Conduct community service or outreach using science and technology skills

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	300	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
724	Healthy Lifestyle
806	Youth Development

**Outcome #71**

**1. Outcome Measures**

Create and sustain effective partnerships and collaborations

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	140	341

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
803	Sociological and Technological Change Affecting Individuals, Families and Communities
133	Pollution Prevention and Mitigation
805	Community Institutions, Health, and Social Services

**Outcome #72**

**1. Outcome Measures**

Create learning opportunities based on principles of positive human development

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	800	1404

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
803	Sociological and Technological Change Affecting Individuals, Families and Communities
802	Human Development and Family Well-Being

**Outcome #73**

**1. Outcome Measures**

Create learning opportunities that are safe and empowering

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	250	1235

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
803	Sociological and Technological Change Affecting Individuals, Families and Communities
805	Community Institutions, Health, and Social Services
802	Human Development and Family Well-Being

**Outcome #74**

**1. Outcome Measures**

Develop a financial plan

*Not reporting on this Outcome for this Annual Report*

**Outcome #75**

**1. Outcome Measures**

Develop a sense of belonging to a community

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	970	1209

**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
806	Youth Development
724	Healthy Lifestyle

**Outcome #76**

**1. Outcome Measures**

Develop community resources

*Not reporting on this Outcome for this Annual Report*

**Outcome #77**

**1. Outcome Measures**

Develop literacy and critical thinking skills

*Not reporting on this Outcome for this Annual Report*

**Outcome #78**

**1. Outcome Measures**

Develop skills that promote healthy relationships

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	750	2982

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle
806	Youth Development

**Outcome #79**

**1. Outcome Measures**

Engage in leadership development

*Not reporting on this Outcome for this Annual Report*

**Outcome #80**

**1. Outcome Measures**

Engage positively in their community

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	765	664

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

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

**Outcome #81**

**1. Outcome Measures**

Ensure that all people feel safe and accepted

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	640	842

**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
724	Healthy Lifestyle

**Outcome #82**

**1. Outcome Measures**

Facilitate meetings effectively

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	90	92

**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 #83**

**1. Outcome Measures**

Handle animals safely

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	460	535

**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 #84**

**1. Outcome Measures**

Identify and solve problems using science and technology skills

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	395	64

**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
803	Sociological and Technological Change Affecting Individuals, Families and Communities

**Outcome #85**

**1. Outcome Measures**

Increase capacity to achieve goals

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	100	122

**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
134	Outdoor Recreation
802	Human Development and Family Well-Being

**Outcome #86**



**1. Outcome Measures**

Increase capacity to establish goals or make decisions

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	600	760

**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
134	Outdoor Recreation
802	Human Development and Family Well-Being

**Outcome #87**

**1. Outcome Measures**

Integrate regular physical activity into daily life

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	520	583

**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
724	Healthy Lifestyle
134	Outdoor Recreation

**Outcome #88**

**1. Outcome Measures**

Keep livestock healthy

*Not reporting on this Outcome for this Annual Report*

**Outcome #89**

**1. Outcome Measures**

Make better decisions

*Not reporting on this Outcome for this Annual Report*

**Outcome #90**

**1. Outcome Measures**

Make better decisions regarding healthy lifestyle

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	1175	1773

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle
806	Youth Development

**Outcome #91**

**1. Outcome Measures**

Make better decisions regarding healthy lifestyle using improved literacy and critical thinking skills

*Not reporting on this Outcome for this Annual Report*

**Outcome #92**

**1. Outcome Measures**

Manage community resources

*Not reporting on this Outcome for this Annual Report*

**Outcome #93**

**1. Outcome Measures**

Model positive group behavior to others

*Not reporting on this Outcome for this Annual Report*

**Outcome #94**

**1. Outcome Measures**

Operate equipment safely

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	30	255

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

**Issue (Who cares and Why)**

Safety Certification for Wild Blueberry Harvesting: Washington County is home to Maine's wild blueberry industry, with nearly a quarter million acres of berries yielding an average of 30 million pounds annually. The berries are harvested by hand raking or with the use of mechanical harvesters. In order for youth between the ages of 14 and 16 to work on the harvesters they must have completed a safety course in order to obtain an operator's certificate from the Maine Department of Labor.

**What has been done**

In 2003, UMaine Extension, in collaboration with a local commercial blueberry processor, developed a 4-H tractor and mechanical harvester safety certification course. The 20-hour course designed for youth age 14 and older provides a combination of classroom time, guest speakers, demonstrations, hands-on learning activities, and driving time.

**Results**

Since 2003, we have helped 36 young people become certified to operate mechanical harvesters, 31 of whom have worked on the machinery and averaged \$3,500 per person per harvest. Two of our graduates have purchased their own harvesters. Seventeen of the participants continue to work in the blueberry industry here in Washington County, and nine have gone on to be employed by Cherryfield Foods, Inc, the largest local processor of wild blueberries. To date, no accidents involving any of the participants have been reported.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
806	Youth Development
724	Healthy Lifestyle

**Outcome #95**

**1. Outcome Measures**

Participate in leadership roles

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	360	522

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
134	Outdoor Recreation
806	Youth Development
724	Healthy Lifestyle

**Outcome #96**

**1. Outcome Measures**

Participation in 4-H Dairy projects and events

*Not reporting on this Outcome for this Annual Report*

**Outcome #97**

**1. Outcome Measures**

Practice safety

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	180	328

**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
134	Outdoor Recreation
724	Healthy Lifestyle

**Outcome #98**

**1. Outcome Measures**

Support and mentor others in leadership roles

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	200	315

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
134	Outdoor Recreation
806	Youth Development

**Outcome #99**

**1. Outcome Measures**

Take leadership role

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	50	249

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle
134	Outdoor Recreation

**Outcome #100**

**1. Outcome Measures**

Teach effectively

*Not reporting on this Outcome for this Annual Report*

**Outcome #101**

**1. Outcome Measures**

Treat all people with dignity and respect

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	770	1542

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle
134	Outdoor Recreation
806	Youth Development

**Outcome #102**

**1. Outcome Measures**

Use clear and effective communication skills

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	600	172

**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
134	Outdoor Recreation
724	Healthy Lifestyle

**Outcome #103**

**1. Outcome Measures**

Use new technologies

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	858	259

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
134	Outdoor Recreation
805	Community Institutions, Health, and Social Services
803	Sociological and Technological Change Affecting Individuals, Families and Communities

801	Individual and Family Resource Management
133	Pollution Prevention and Mitigation
802	Human Development and Family Well-Being
724	Healthy Lifestyle
806	Youth Development

**Outcome #104**

**1. Outcome Measures**

Work effectively with diverse groups

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	800	1254

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
803	Sociological and Technological Change Affecting Individuals, Families and Communities
724	Healthy Lifestyle
806	Youth Development
134	Outdoor Recreation
805	Community Institutions, Health, and Social Services

**Outcome #105**

**1. Outcome Measures**

Work productively in a team

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	350	1218

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

**Issue (Who cares and Why)**



**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
802	Human Development and Family Well-Being
806	Youth Development
724	Healthy Lifestyle
134	Outdoor Recreation
803	Sociological and Technological Change Affecting Individuals, Families and Communities

**Outcome #106**

**1. Outcome Measures**

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture

*Not reporting on this Outcome for this Annual Report*

**Outcome #107**

**1. Outcome Measures**

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness

*Not reporting on this Outcome for this Annual Report*

**Outcome #108**

**1. Outcome Measures**

Increase the economic and social viability and sustainability of Maine communities

*Not reporting on this Outcome for this Annual Report*

**Outcome #109**

**1. Outcome Measures**

Protect and enhance Maine's natural resources and environment through sustainable stewardship

*Not reporting on this Outcome for this Annual Report*

**Outcome #110**

**1. Outcome Measures**

Demonstrate animal management skills

*Not reporting on this Outcome for this Annual Report*

**Outcome #111**

**1. Outcome Measures**

Demonstrate effective leadership skills and strategies

*Not reporting on this Outcome for this Annual Report*

**Outcome #112**

**1. Outcome Measures**

Describe age-appropriate safety practices

*Not reporting on this Outcome for this Annual Report*

**Outcome #113**

**1. Outcome Measures**

Describe careers in non-production agriculture

*Not reporting on this Outcome for this Annual Report*

**Outcome #114**

**1. Outcome Measures**

Describe diversity

*Not reporting on this Outcome for this Annual Report*

**Outcome #115**

**1. Outcome Measures**

Describe science process skills

*Not reporting on this Outcome for this Annual Report*

**Outcome #116**

**1. Outcome Measures**

Describe the impact of cultural and media messages

*Not reporting on this Outcome for this Annual Report*

**Outcome #117**

**1. Outcome Measures**

Describe the value of diversity

*Not reporting on this Outcome for this Annual Report*

**Outcome #118**

**1. Outcome Measures**

Describe the value of good communication

*Not reporting on this Outcome for this Annual Report*

**Outcome #119**

**1. Outcome Measures**

Collect information and communicate results

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	65	78

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
803	Sociological and Technological Change Affecting Individuals, Families and Communities
801	Individual and Family Resource Management
805	Community Institutions, Health, and Social Services

**Outcome #120**

**1. Outcome Measures**

Increase volunteerism

*Not reporting on this Outcome for this Annual Report*

**Outcome #121**

**1. Outcome Measures**

Lead effectively

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	40	29

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
134	Outdoor Recreation
806	Youth Development

**Outcome #122**

**1. Outcome Measures**

Promote healthy relationships  
*Not reporting on this Outcome for this Annual Report*

**Outcome #123**

**1. Outcome Measures**

Protect or conserve biodiversity and habitat including native plant and animal species  
*Not reporting on this Outcome for this Annual Report*

**Outcome #124**

**1. Outcome Measures**

4-H project record sheets are comprehensive and complete.  
*Not reporting on this Outcome for this Annual Report*

**Outcome #125**

**1. Outcome Measures**

Adopt record-keeping system

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	217

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle
801	Individual and Family Resource Management
805	Community Institutions, Health, and Social Services
802	Human Development and Family Well-Being
133	Pollution Prevention and Mitigation

803	Sociological and Technological Change Affecting Individuals, Families and Communities
806	Youth Development
134	Outdoor Recreation

**Outcome #126**

**1. Outcome Measures**

Express good feeling about self

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	88

**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
802	Human Development and Family Well-Being

**Outcome #127**

**1. Outcome Measures**

Make better decisions using records and data

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	144

**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
801	Individual and Family Resource Management
803	Sociological and Technological Change Affecting Individuals, Families and Communities

### Outcome #128

#### 1. Outcome Measures

Conduct community service or outreach Develop a sense of belonging to a community Develop community resources Engage in leadership development Engage positively in their community Take leadership role Work productively in a team

#### 2. Associated Institution Types

•1862 Extension

#### 3a. Outcome Type:

Change in Action Outcome Measure

#### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	{No Data Entered}	0

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

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

Aroostook County 4-H Community Service Project Study: The essential element of generosity is a cornerstone of 4-H Youth Development programs. 4-H kids learn to be generous in the process of undertaking service projects that benefit their communities and carry the rewards of their benevolence into their adult lives.

##### What has been done

In Aroostook County in far northern Maine, 175 4-H youth engaged in community projects that have provided food to needy families, raised money for fuel assistance, supported residents at the Maine Veterans' Home, helped with Humane Society fundraisers, grown and distributed vegetables from community gardens, and sponsored a needy child in Kenya.

##### Results

Project results clearly show the benefits to such groups as veterans, low-income heating assistance recipients, sick and needy children, and animals. All of the youth involved reported an increased understanding about needs in their communities. When the economic value of this service is calculated based on \$15.25 per Maine volunteer hour as determined by independent sector.org, the financial contribution is over \$51,500.

### 4. Associated Knowledge Areas

KA Code	Knowledge Area
806	Youth Development

### Outcome #129

#### 1. Outcome Measures

Conduct community service or outreach Engage positively in their community Work productively in a team Increase volunteerism Lead effectively

#### 2. Associated Institution Types

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	{No Data Entered}	0

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

Coastal Clover 4-H Club Fights Hunger: Maine had the highest percentage growth rate of hungry people in the country between 2000 and 2005. In our current distressed economy many Maine families are struggling to put nutritious food on the table. 4-H clubs are addressing this problem while learning the value of community service; research show that youth benefit from experiences centered on the four essential elements of youth development: belonging, independence, generosity, and mastery.

**What has been done**

The Coastal Clovers 4-H Club, a group of farm and non-farm kids ages 5 to 12, undertook a project called Food for Families. Club members wanted to learn gardening skills and participate in community service, so they decided to grow fresh produce to donate to organizations serving low-income and hungry people in Maine. Club members planted seedlings, constructed a makeshift greenhouse for the early season, and then transplanted the seedlings into a one-acre field donated by a local farm.

**Results**

Through their hard work and more than 1,000 hours of community service, Coastal Clovers 4-H Club members were able to harvest 2,200 pounds of fresh produce and donate it to local and statewide food pantries. Throughout the summer and early fall struggling Maine families enjoyed nutritious meals including fresh cabbage, zucchini, squash, cauliflower, peppers, broccoli, cucumbers, tomatoes, green beans, watermelon, and cantaloupe with a collective cash value of approximately \$5,600 – all carefully sown, tended, and harvested by young hands. Club members learned valuable life skills in agriculture, self-sufficiency, team work, planning and goal setting, and experienced belonging, generosity and mastery.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
806	Youth Development

**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
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

**Brief Explanation****V(I). Planned Program (Evaluation Studies and Data Collection)****1. Evaluation Studies Planned**

- Retrospective (post program)
- During (during program)
- Comparisons between program participants (individuals, group, organizations) and non-participants

## Evaluation Results

### Key Items of Evaluation



**Program #18**

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

**1. Name of the Planned Program**

Aging Lifestyles

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

**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
607	Consumer Economics	10%			
608	Community Resource Planning and Development	10%			
723	Hazards to Human Health and Safety	10%			
724	Healthy Lifestyle	10%			
801	Individual and Family Resource Management	10%			
802	Human Development and Family Well-Being	10%			
803	Sociological and Technological Change Affecting Individuals, Families and Communities	10%			
805	Community Institutions, Health, and Social Services	10%			
901	Program and Project Design, and Statistics	10%			
903	Communication, Education, and Information Delivery	10%			
	<b>Total</b>	<b>100%</b>			

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

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

Year: 2008	Extension		Research	
	1862	1890	1862	1890
<b>Plan</b>	0.5	0.0	0.2	0.0
<b>Actual</b>	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
0	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	0	0	0

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

**1. Brief description of the Activity**

•Aging Initiatives Web Site Pages •Current and Emerging Technology Workshops •eXtension Family Caregiving Community of Practice [CoP] Web Site Development •Preparing for Elder Care Employer/Employee Project

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

•Employees (Adult) •Employers (Adult) •Extension - all staff (Adult) •General Public (Adult) •Social Service Providers (Adult)

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

**1. Standard output measures**

**Target for the number of persons (contacts) reached through direct and indirect contact methods**

	<b>Direct Contacts Adults</b>	<b>Indirect Contacts Adults</b>	<b>Direct Contacts Youth</b>	<b>Indirect Contacts Youth</b>
<b>Year</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>
<b>Plan</b>	158	275	0	0
2008	0	0	0	0

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

**Patent Applications Submitted**

**Year Target**  
**Plan:** 0  
 2008 : {No Data Entered}

**Patents listed**  
 {No Data Entered}

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

**Number of Peer Reviewed Publications**

	<b>Extension</b>	<b>Research</b>	<b>Total</b>
<b>Plan</b>	0	0	
2008	{No Data Entered}	{No Data Entered}	0

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

**Output Target**

**Output #1**

**Output Measure**

- Direct - Collaborative or Cooperative Effort

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	6	0

**Output #2**

**Output Measure**

- Direct - Workshop - single session

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	1	0

**Output #3**

**Output Measure**

- Indirect - Website

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	5	0

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

<b>O No.</b>	<b>OUTCOME NAME</b>
1	Access relevant UMCE web-based resources
2	Demonstrate how to critically evaluate the effectiveness of existing policies or practices
3	Describe how to care for and nurture others
4	Describe how to manage stress.
5	Describe legal documents related to personal care, health care and end-of-life-issues
6	Describe local health care and long-term care programs and services
7	Balance roles, responsibilities, and stress
8	Care for and nurture others
9	Evaluate and analyze existing employer policies or practices
10	Prepare legal documents related to personal care, health care and end-of-life issues
11	Use programs and services that support independent living
12	Use relevant UMCE web-based resources
13	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
14	Increase the economic and social viability and sustainability of Maine communities.

**Outcome #1****1. Outcome Measures**

Access relevant UMCE web-based resources

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	400	0

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
903	Communication, Education, and Information Delivery
724	Healthy Lifestyle
802	Human Development and Family Well-Being

**Outcome #2****1. Outcome Measures**

Demonstrate how to critically evaluate the effectiveness of existing policies or practices

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	3	0

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
802	Human Development and Family Well-Being
903	Communication, Education, and Information Delivery
801	Individual and Family Resource Management
901	Program and Project Design, and Statistics
803	Sociological and Technological Change Affecting Individuals, Families and Communities
805	Community Institutions, Health, and Social Services
608	Community Resource Planning and Development

**Outcome #3**

**1. Outcome Measures**

Describe how to care for and nurture others

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2008	10	0

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

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
802	Human Development and Family Well-Being
724	Healthy Lifestyle
803	Sociological and Technological Change Affecting Individuals, Families and Communities

**Outcome #4**

**1. Outcome Measures**

Describe how to manage stress.

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	10	0

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

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

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

**Outcome #5**

**1. Outcome Measures**

Describe legal documents related to personal care, health care and end-of-life-issues

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	10	0

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

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
607	Consumer Economics
801	Individual and Family Resource Management
608	Community Resource Planning and Development

**Outcome #6**

**1. Outcome Measures**

Describe local health care and long-term care programs and services

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	10	0

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

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
903	Communication, Education, and Information Delivery
805	Community Institutions, Health, and Social Services
802	Human Development and Family Well-Being
608	Community Resource Planning and Development

**Outcome #7**

**1. Outcome Measures**

Balance roles, responsibilities, and stress

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	5	0

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

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
802	Human Development and Family Well-Being
724	Healthy Lifestyle
803	Sociological and Technological Change Affecting Individuals, Families and Communities

**Outcome #8****1. Outcome Measures**

Care for and nurture others

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2008	5	0

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
724	Healthy Lifestyle
803	Sociological and Technological Change Affecting Individuals, Families and Communities
802	Human Development and Family Well-Being

**Outcome #9****1. Outcome Measures**

Evaluate and analyze existing employer policies or practices

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2008	3	0

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

{No Data Entered}



**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
801	Individual and Family Resource Management
607	Consumer Economics
608	Community Resource Planning and Development
901	Program and Project Design, and Statistics
805	Community Institutions, Health, and Social Services

**Outcome #10**

**1. Outcome Measures**

Prepare legal documents related to personal care, health care and end-of-life issues

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	5	0

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

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
801	Individual and Family Resource Management
607	Consumer Economics

**Outcome #11**

**1. Outcome Measures**

Use programs and services that support independent living

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	5	0

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

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
802	Human Development and Family Well-Being
805	Community Institutions, Health, and Social Services
608	Community Resource Planning and Development

**Outcome #12**

**1. Outcome Measures**

Use relevant UMCE web-based resources

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	300	0

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

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle
903	Communication, Education, and Information Delivery
901	Program and Project Design, and Statistics
802	Human Development and Family Well-Being

**Outcome #13**

**1. Outcome Measures**

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Condition Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	0	0

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

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
607	Consumer Economics
801	Individual and Family Resource Management
723	Hazards to Human Health and Safety
903	Communication, Education, and Information Delivery
803	Sociological and Technological Change Affecting Individuals, Families and Communities
608	Community Resource Planning and Development
724	Healthy Lifestyle
802	Human Development and Family Well-Being
901	Program and Project Design, and Statistics
805	Community Institutions, Health, and Social Services

**Outcome #14**

**1. Outcome Measures**

Increase the economic and social viability and sustainability of Maine communities.

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	0	0

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

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
724	Healthy Lifestyle
903	Communication, Education, and Information Delivery
802	Human Development and Family Well-Being
723	Hazards to Human Health and Safety
608	Community Resource Planning and Development
803	Sociological and Technological Change Affecting Individuals, Families and Communities
901	Program and Project Design, and Statistics
805	Community Institutions, Health, and Social Services
801	Individual and Family Resource Management
607	Consumer Economics

**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
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration,new cultural groupings,etc.)

**Brief Explanation**

{No Data Entered}

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**1. Evaluation Studies Planned**

- Retrospective (post program)
- Before-After (before and after program)
- During (during program)
- Time series (multiple points before and after program)

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}

**Program #19**

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

**1. Name of the Planned Program**

Administrative Plan of Work; Planning and Supervision

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

**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
902	Administration of Projects and Programs	100%		100%	
	<b>Total</b>	100%		100%	

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

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

Year: 2008	Extension		Research	
	1862	1890	1862	1890
<b>Plan</b>	11.3	0.0	0.4	0.0
<b>Actual</b>	4.7	0.0	0.1	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
24216	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
186131	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
45563	0	0	0

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

**1. Brief description of the Activity**

•Eat Well Administration •Eat Well Regional Management •Plan of Work Oversight and Supervision •Program Administration for Eat Well (limited income) Nutrition Education Program •Program Administration for UMaine Cooperative Extension's 4-H Youth Development, Child and Family Development and aspects of Nutrition Programming. Organizational liaison for Maine Extension Homemakers Council. Includes supervision and support for faculty and professional staff and organizational liaison for Executive Committees in four counties.

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

•County Executive Committee Members (Adult) •Extension - all staff (Adult) •Extension Faculty (Adult)  
 •Extension Homemakers (Adult) •Extension Professionals (Adult) •Nutrition Associates (Adult) •Parent Educators (Adult) •Policy Makers (Adult)

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

**1. Standard output measures**

**Target for the number of persons (contacts) reached through direct and indirect contact methods**

	<b>Direct Contacts Adults</b>	<b>Indirect Contacts Adults</b>	<b>Direct Contacts Youth</b>	<b>Indirect Contacts Youth</b>
<b>Year</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>
<b>Plan</b>	150	0	0	0
2008	468	0	0	0

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

**Patent Applications Submitted**

<b>Year</b>	<b>Target</b>
<b>Plan:</b>	0
2008 :	0

**Patents listed**

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

**Number of Peer Reviewed Publications**

	<b>Extension</b>	<b>Research</b>	<b>Total</b>
<b>Plan</b>	0	0	
2008	0	0	0

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

**Output Target**

**Output #1**

**Output Measure**

- Direct - Consultation

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	{No Data Entered}	46

**Output #2**

**Output Measure**

- Indirect - Administrative Coordination

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	{No Data Entered}	5

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

<b>O No.</b>	<b>OUTCOME NAME</b>
1	Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
2	Increase the economic and social viability and sustainability of Maine communities.
3	Enhance the safety, sustainability, and dependability of Maine's food supply.
4	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
5	Protect and enhance Maine's natural resources and environment through sustainable stewardship.

**Outcome #1**

**1. Outcome Measures**

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.

*Not reporting on this Outcome for this Annual Report*

**Outcome #2**

**1. Outcome Measures**

Increase the economic and social viability and sustainability of Maine communities.

*Not reporting on this Outcome for this Annual Report*

**Outcome #3**

**1. Outcome Measures**

Enhance the safety, sustainability, and dependability of Maine's food supply.

*Not reporting on this Outcome for this Annual Report*

**Outcome #4**

**1. Outcome Measures**

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

*Not reporting on this Outcome for this Annual Report*

**Outcome #5**

**1. Outcome Measures**

Protect and enhance Maine's natural resources and environment through sustainable stewardship.

*Not reporting on this Outcome for this Annual Report*

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

**Brief Explanation**

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**1. Evaluation Studies Planned**

- Other (Merit Review Process)

**Evaluation Results**

**Key Items of Evaluation**