

# Ecosystem Management, Protection And Restoration

Ecosystem Management, Protection And Restoration

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

### 1. Name of the Planned Program

Ecosystem Management, Protection And Restoration

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

### 1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
131	Alternative Uses of Land	25%			
133	Pollution Prevention and Mitigation	25%			
135	Aquatic and Terrestrial Wildlife	25%			
136	Conservation of Biological Diversity	25%			
<b>Total</b>		100%			

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

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

Year: 2007	Extension		Research	
	1862	1890	1862	1890
<b>Plan</b>	4.1	0.0	0.0	0.0
<b>Actual</b>	4.5	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 74142	1890 Extension	Hatch	Evans-Allen
	0	0	0
1862 Matching 183813	1890 Matching	1862 Matching	1890 Matching
	0	0	0
1862 All Other 227708	1890 All Other	1862 All Other	1890 All Other
	0	0	0

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

**1. Brief description of the Activity**

Activities

- Single day workshop, class or event
- Facilitated Group Meetings and Conferences
- Consultations and Site Visits
- Websites

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

•Natural Resource Agencies •Regional Planning Authorities •Development and Planning Agencies •Municipalities •Conservation Organizations •Landowners and Land Managers •Business/Industry (Natural resource based businesses, development industry, environmental consultants)

**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>	1646	2916	19	0
2007	1191	5300	0	0

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

**Patent Applications Submitted**

<b>Year</b>	<b>Target</b>
<b>Plan:</b>	0
2007:	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>			
2007	0	0	0

**V(F). State Defined Outputs****Output Target****Output #1****Output Measure**

Single day workshop, class or events

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	21	14

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

Workshop series or educational course

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	84	0

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

Facilitated Group Meetings or Conferences

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	23	5

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

Demonstration Projects

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	4	0

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

Other personalized interventions or services

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	90	0

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

Printed material (Newsletter, Manuals, Fact sheets, Calendars)

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	32	0

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

Websites

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	11	3

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

Other Computer or web-based Based Delivery (CDs, DVDs, Pod casts)

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	9	0

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

Displays

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	5	0

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

Consultations and site visits

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	{No Data Entered}	1

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

O No.	Outcome Name
1	Number of agencies, organizations and communities that will implement strategic land conservation programs that protect natural resources and ecosystems
2	Number of development projects that will minimize impacts on wildlife populations and ecosystems
3	Number of municipal boards, state and federal regulators that will effectively address natural resource issues during project review and permitting processes
4	Number of natural resource-based businesses will adopt sustainable resource management approaches
5	Number of natural resource-based businesses that will adopt environmental best management practices
6	Number of land managers that will implement practices that maintain a diversity of natural communities and restore degraded ecosystems
7	Number of agencies and organizations (or natural resource professionals) that will implement environmental health monitoring for the early detection of exotic pests, diseases and invasive species
8	Percentage of participants that will select products that reduce risk of invasive species
9	Number of well-screened bio-control agents that will be developed and deployed to control invasive species and protect native organisms and ecosystems
10	Percentage of participants that will implement integrated management strategies to contain and manage exotic pests, diseases and invasive species
11	Individuals acquire knowledge and skills for integrated management strategies that contain and manage exotic pests, diseases and invasive species
12	Agencies, organizations and natural resource professionals have the knowledge, skills and motivation necessary to conduct scientifically valid monitoring of water bodies for invasive species
13	Integrated management strategies implemented to contain and manage exotic pests, diseases and invasive species
14	Forest landowners and natural resource-based businesses have the knowledge, skills and motivation necessary to adopt sustainable approaches to resource management and environmental best management practices
15	Participants acquire knowledge and skills necessary to implement environmental best management practices in operating Natural Resource-based businesses
16	Individuals acquire the knowledge and skills needed to adopt research-based Best Management Practices related to water, soil, air, and integrated crop and animal management practices
17	Individuals, businesses and agencies have the knowledge, skills and motivation to choose technologies and/or development approaches that minimize impact to water resources and ecosystems
18	Land owners and land managers have an appreciation for the need to conserve biodiversity and use an ecosystems approach to land protection and management
19	Land owners understand their options for conservation of their land, including who to contact for help
20	Agencies, organizations and communities have the knowledge and skills necessary to implement strategic land conservation programs that protect natural resources and ecosystems

**Outcome #1**

**1. Outcome Measures**

*Not reporting on this Outcome for this Annual Report*

**2. Associated Institution Types**

**3a. Outcome Type:**

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
------	---------------------	--------

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

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

**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

**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**