

# Natural Resource-Based Economic Development

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

### 1. Name of the Planned Program

Natural Resource-Based Economic 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 |
|---------|---|-----------------|-----------------|----------------|----------------|
| 123     | Management and Sustainability of Forest Resources | 25%             |                 |                |                |
| 131     | Alternative Uses of Land                          | 15%             |                 |                |                |
| 133     | Pollution Prevention and Mitigation               | 20%             |                 |                |                |
| 605     | Natural Resource and Environmental Economics      | 25%             |                 |                |                |
| 608     | Community Resource Planning and Development       | 15%             |                 |                |                |
|         | <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>   | 14.3      | 0.0  | 0.0      | 0.0  |
| <b>Actual</b> | 13.1      | 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<br>216249 | 1890 Extension | Hatch          | Evans-Allen    |
|                               | 0              | 0              | 0              |
| 1862 Matching<br>536120       | 1890 Matching  | 1862 Matching  | 1890 Matching  |
|                               | 0              | 0              | 0              |
| 1862 All Other<br>664149      | 1890 All Other | 1862 All Other | 1890 All Other |
|                               | 0              | 0              | 0              |

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

**1. Brief description of the Activity**

- Facilitated Group Meetings and Conferences
- Consultations and Site Visits
- Single Day Workshop, Class or Event
- Website
- Diagnostic Service
- Printed Materials
- Demonstrations
- Scholarly Presentations
- Teaching – Guest Lecture
- Printed Scholarly Materials

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

•Farmers •Landowners •Resource Managers •Horticultural Green Industry businesses and personnel •Professional Organizations and Industry Groups •Natural Resource Agencies •Municipalities •Land Trusts and Conservation Groups

**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<br/>Adults</b> | <b>Indirect Contacts<br/>Adults</b> | <b>Direct Contacts<br/>Youth</b> | <b>Indirect Contacts<br/>Youth</b> |
|-------------|-----------------------------------|-------------------------------------|----------------------------------|------------------------------------|
| <b>Year</b> | <b>Target</b>                     | <b>Target</b>                       | <b>Target</b>                    | <b>Target</b>                      |
| <b>Plan</b> | 16410                             | 104256                              | 50                               | 0                                  |
| 2007        | 28860                             | 180410                              | 556                              | 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        | 2                | 0               | 325          |

**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        | 40            | 5             |

**Output #2**

**Output Measure**

Workshop series or educational course

| <b>Year</b> | <b>Target</b> | <b>Actual</b> |
|-------------|---------------|---------------|
| 2007        | 150           | 2             |

**Output #3**

**Output Measure**

Facilitated Group Meetings or Conferences

| <b>Year</b> | <b>Target</b> | <b>Actual</b> |
|-------------|---------------|---------------|
| 2007        | 140           | 51            |

**Output #4**

**Output Measure**

Demonstration Projects

| <b>Year</b> | <b>Target</b> | <b>Actual</b> |
|-------------|---------------|---------------|
| 2007        | 12            | 60            |

**Output #5**

**Output Measure**

Diagnostic Services

| <b>Year</b> | <b>Target</b> | <b>Actual</b> |
|-------------|---------------|---------------|
| 2007        | 700           | 375           |

**Output #6**

**Output Measure**

Site visits

| <b>Year</b> | <b>Target</b> | <b>Actual</b> |
|-------------|---------------|---------------|
| 2007        | 55            | 0             |

**Output #7**

**Output Measure**

Other personalized interventions or services

| <b>Year</b> | <b>Target</b> | <b>Actual</b> |
|-------------|---------------|---------------|
| 2007        | 665           | 0             |

**Output #8**

**Output Measure**

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

| <b>Year</b> | <b>Target</b> | <b>Actual</b> |
|-------------|---------------|---------------|
| 2007        | 140           | 31            |

**Output #9**

**Output Measure**

Displays

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

**Output #10**

**Output Measure**

Websites

| <b>Year</b> | <b>Target</b> | <b>Actual</b> |
|-------------|---------------|---------------|
| 2007        | 16            | 50            |

**Output #11**

**Output Measure**

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

| <b>Year</b> | <b>Target</b> | <b>Actual</b> |
|-------------|---------------|---------------|
| 2007        | 60            | 0             |

**Output #12**

**Output Measure**

Consultations and Site Visits

| <b>Year</b> | <b>Target</b>     | <b>Actual</b> |
|-------------|-------------------|---------------|
| 2007        | {No Data Entered} | 492           |

**Output #13**

**Output Measure**

Teaching - Lectures

| <b>Year</b> | <b>Target</b>     | <b>Actual</b> |
|-------------|-------------------|---------------|
| 2007        | {No Data Entered} | 7             |

**Output #14**

**Output Measure**

Scholarship - Printed Material

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

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

| O No. | Outcome Name  |
|-------|---|
| 1     | Percentage of participants that will adopt practices that protect land and water (marine and inland) resources  |
| 2     | Percentage of participants that will adopt practices that ensure economically viability   |
| 3     | Percentage of participants that will adopt practices that ensure ecological sustainability  |
| 4     | Sales of products and services that are grown or produced in Massachusetts will increase  |
| 5     | Natural Resource-based businesses and landowners adopt practices that ensure economic viability   |
| 6     | Natural Resource-based businesses and landowners adopt practices that protect land and water (marine and inland) resources  |
| 7     | Natural Resource-based businesses and landowners acquire knowledge and skills to ensure ecological sustainability   |
| 8     | Natural Resource-based businesses and landowners acquire the knowledge and skills to prevent and reduce threats to water quality and quantity, and protect and restore water resource |

**Outcome #1**

**1. Outcome Measures**

*Not reporting on this Outcome for this Annual Report*

**2. Associated Institution Types**

**3a. Outcome Type:**

**3b. Quantitative Outcome**

| <b>Year</b> | <b>Quantitative Target</b> | <b>Actual</b> |
|-------------|----------------------------|---------------|
|-------------|----------------------------|---------------|

**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> |
|----------------|-----------------------|
|----------------|-----------------------|

**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 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)

Retrospective (post program)

**Evaluation Results**

**Key Items of Evaluation**