

Water Quality

Water Quality

V(A). Planned Program (Summary)

1. Name of the Planned Program

Water Quality

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%	
112	Watershed Protection and Management	50%		50%	
131	Alternative Uses of Land	15%		15%	
133	Pollution Prevention and Mitigation	25%		25%	
Total		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
Plan	3.0	0.0	7.0	0.0
Actual	1.8	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 144710	1890 Extension	Hatch	Evans-Allen
	0	0	0
1862 Matching 57501	1890 Matching	1862 Matching	1890 Matching
	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

Research investigations focus on watershed patterns and processes that affect the fate of nitrogen. Research methods include lab and field studies as well as geospatial analyses.

Extension programs create locally relevant programs focused on land and community management. In cooperation with stakeholders and partner agencies, we will identify needs and build upon successful local programs to create and disseminate new materials, tools and curricula in RI and New England. . Our water quality programs will continue development, delivery, training and application of proven water quality management tools and techniques such as:

- Develop of curricula and training on best management practices (BMPs) for conventional and alternative and innovative onsite waste water treatment
- Public outreach and training on stormwater management
- Development of curricula and training regarding private wells,;
- Volunteer Water Quality Monitoring

2. Brief description of the target audience

- Public decision makers / Policy makers (local, state and federal agencies)
- Municipal planners
- Private sector firms engaged in watershed management, landscaping, onsite waste water treatment and private wells
- A variety of NGOs (land trusts, environmental organizations, etc).
- Agricultural producers
- The general public

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	500	4500	0	0
2008	4000	123369	190	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	3

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

Peer Reviewed Publications

Year	Target	Actual
2008	4	3

Output #2**Output Measure**

Fact sheets, bulletins and newsletters

Year	Target	Actual
2008	10	8

Output #3**Output Measure**

Website development and refinement

Year	Target	Actual
2008	1	8

Output #4**Output Measure**

Training manuals and Instructional CDS developed

Year	Target	Actual
2008	1	4

Output #5**Output Measure**

Public service announcements, news releases/articles

Year	Target	Actual
2008	10	15

Output #6**Output Measure**

Books and monographs

Year	Target	Actual
2008	1	0

Output #7**Output Measure**

Abstracts

Year	Target	Actual
2008	5	17

Output #8**Output Measure**

Workshops and Conferences hosted or Co-hosted

Year	Target	Actual
2008	4	50

Output #9**Output Measure**

Presentations and Short Courses

Year	Target	Actual
2008	55	83

Output #10**Output Measure**

Student training

Year	Target	Actual
2008	2	114

Water Quality
Output #11

Output Measure

MS theses and PhD dissertations

Year	Target	Actual
2008	2	0

V(G). State Defined Outcomes

O No.	Outcome Name
1	Increased (%) of BMP approaches adopted by target audience
2	Development of new models
3	Increased (%) adoption of onsite wastewater management plans by local communities
4	Increased use and development (%) of locally based water quality and watershed data by community decision makers
5	Increased adoption (%) of improved landscape management practices by targeted populations
6	Increased testing of well water by targeted homeowner populations
7	Increase in the proportion of professionals and the public knowledgeable about methods to maintain and improve onsite wastewater treatment
8	Increased (%) development and of locally based water quality data for use by communities and the public.
9	Increase in the proportion of the public and professional regarding awareness and management of storm water.
10	Increase in targeted populations of households and professionals gaining knowledge of testing, treatment and protection of well water
11	Increased understanding by scientists and decision makers through publications and presentations of the risks of watershed nitrate delivery

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
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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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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)

Retrospective (post program)

Before-After (before and after program)

During (during program)

Time series (multiple points before and after program)

Comparisons between program participants (individuals, group, organizations) and non-participants

Evaluation Results

Key Items of Evaluation