

# 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%	
<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: 2007	Extension		Research	
	1862	1890	1862	1890
<b>Plan</b>	3.0	0.0	7.0	0.0
<b>Actual</b>	2.4	0.0	3.6	0.0

### 2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c 211862	1890 Extension 0	Hatch 216157	Evans-Allen 0
<b>1862 Matching</b> 65675	<b>1890 Matching</b> 0	<b>1862 Matching</b> 231506	<b>1890 Matching</b> 0
<b>1862 All Other</b> 0	<b>1890 All Other</b> 0	<b>1862 All Other</b> 0	<b>1890 All Other</b> 0

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

### 1. Brief description of the Activity

•Studies will be conducted to investigate the sources, fate and transport of nonpoint source contaminants in surface and ground water systems. •The efficacy of different management practices will be evaluated at the local and watershed scale. •New approaches to relate soil and landscape features to water quality stressors will be researched. •Outreach efforts to community decision makers, agricultural, residential and engineering/regulatory community will be conducted. •Demonstration sites will be established for use in such research and extension programs. •Publications, fact sheets, web sites will be developed, produced and disseminated.

**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**

	<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>	400	3000	0	0
2007	550	3000	0	0

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

**Patent Applications Submitted**

**Year Target**

**Plan: 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	4	4

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

Peer Reviewed Publications

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

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

Fact sheets, bulletins and newsletters

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	10	6

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

Website development and refinement

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	1	4

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

Training manuals and Instructional CDS developed

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	1	1

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

Public service announcements, news releases/articles

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	5	8

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

Books and monographs

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	1	0

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

Abstracts

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

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

Workshops and Conferences hosted or Co-hosted

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	4	2

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

Presentations and Short Courses

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	55	35

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

Student training

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	2	5

Water Quality  
**Output #11**

**Output Measure**

MS theses and PhD dissertations

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	1	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

**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>
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**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>
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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)

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

**Evaluation Results**

**Key Items of Evaluation**