V(A). Planned Program (Summary)

Program # 23

1. Name of the Planned Program

Community Based Watershed Program (Extension)

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

<table>
<thead>
<tr>
<th>KA Code</th>
<th>Knowledge Area</th>
<th>%1862 Extension</th>
<th>%1890 Extension</th>
<th>%1862 Research</th>
<th>%1890 Research</th>
</tr>
</thead>
<tbody>
<tr>
<td>112</td>
<td>Watershed Protection and Management</td>
<td>100%</td>
<td>100%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>100%</td>
<td>100%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

V(C). Planned Program (Inputs)

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

<table>
<thead>
<tr>
<th>Year: 2009</th>
<th>Extension</th>
<th>Research</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1862</td>
<td>1890</td>
</tr>
<tr>
<td>Actual</td>
<td>7.0</td>
<td>0.0</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th></th>
<th>Extension</th>
<th>Research</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smith-Lever 3b &amp; 3c</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>342909</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>1890 Matching</td>
<td>0</td>
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<tr>
<td>342909</td>
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<td>0</td>
</tr>
<tr>
<td>1862 All Other</td>
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<td>0</td>
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<tr>
<td>1890 All Other</td>
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<td>0</td>
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<tr>
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<td>0</td>
</tr>
<tr>
<td>1890 All Other</td>
<td>0</td>
<td>0</td>
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</table>

V(D). Planned Program (Activity)

1. Brief description of the Activity

Ohio Watershed Academy (OWA)

Conduct OWA (annual 4 month distance education course)

Conduct face-to-face meetings (three face to face meetings per course)

Develop modules and manual (on-line modules and manual updated annually)

Market program

Evaluations (one summative, one formative and on-going on-line evaluations annually)

Update website (GIS, land use, and project implementation modules to be added in 2006)

Ohio Watershed Leaders (OWLs)
Coordinate overnight facilities, guest speakers and facilitators

Conduct multi-agency program planning meetings

Market program

Develop and conduct evaluation (one summative evaluation)

Ohio Certified Volunteer Naturalist (OCVN)

Develop OCVN manual

Conduct OCVN trainings for potential volunteers

Develop marketing materials

Develop website

Develop and conduct evaluations

Organize and coordinate volunteers

2. Brief description of the target audience

Ohio Watershed Academy

Watershed group leaders

Graduate and undergraduate students

Natural Resource Professionals

Local public officials

Watershed group volunteers

Ohio Watershed Leaders

Watershed coordinators

Nonprofit coordinators

Natural resource professionals

Watershed group volunteers

Ohio Certified Volunteer Naturalists

Youth

Retirees

Park and natural area volunteers

Home and garden club members

Volunteers from various environmental organizations (e.g., watershed groups, land trusts)
V(E). Planned Program (Outputs)

1. Standard output measures

<table>
<thead>
<tr>
<th>2009</th>
<th>Direct Contacts Adults</th>
<th>Indirect Contacts Adults</th>
<th>Direct Contacts Youth</th>
<th>Indirect Contacts Youth</th>
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</thead>
<tbody>
<tr>
<td>Plan</td>
<td>115</td>
<td>0</td>
<td>20</td>
<td>0</td>
</tr>
<tr>
<td>Actual</td>
<td>115</td>
<td>0</td>
<td>20</td>
<td>0</td>
</tr>
</tbody>
</table>

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

Patent Applications Submitted

Year: 2009
Plan: 0
Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

<table>
<thead>
<tr>
<th>2009</th>
<th>Extension</th>
<th>Research</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plan</td>
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<td>0</td>
</tr>
<tr>
<td>Actual</td>
<td>1</td>
<td>0</td>
<td>0</td>
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</tbody>
</table>

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Ohio Watershed Academy Number of Ohio Watershed Academy classes offered Number of manuals distributed Number of face-to-face meetings Number of promotional materials distributed Number of watershed plans Academy participants complete Number of on-line modules developed Number of guest instructors

<table>
<thead>
<tr>
<th>Year</th>
<th>Target</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

Output #2

Output Measure

- Ohio Watershed Leaders Number of workshops Number of materials distributed Number of workshop participants

<table>
<thead>
<tr>
<th>Year</th>
<th>Target</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

Output #3

Output Measure

- Ohio Certified Volunteer Naturalists Number of trainingsNumber of agency partners collaborating Number of manuals distributed Number of certified and trained volunteers Number of chapters formed Number of
volunteer service hours completed

<table>
<thead>
<tr>
<th>Year</th>
<th>Target</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>15</td>
<td>15</td>
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</tbody>
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### V(G). State Defined Outcomes

#### V. State Defined Outcomes Table of Content

<table>
<thead>
<tr>
<th>O. No.</th>
<th>OUTCOME NAME</th>
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<tbody>
<tr>
<td>1</td>
<td>Ohio Watershed Academy Short Term Percentage of participants incremental increase in self reported knowledge assessment scores (offered pre and post Academy training) Percentage of participants expanding knowledge and skills in watershed planning and professional networks (self reported)</td>
</tr>
<tr>
<td>2</td>
<td>Ohio Watershed Academy Medium Term Percentage of participants implementing specific skills (e.g., stakeholder involvement, evaluation and/or outreach strategies) Percentage of participants taking on new leadership roles in watershed management</td>
</tr>
<tr>
<td>3</td>
<td>Ohio Watershed Academy Long term Improved watershed health (e.g., changes in water and habitat quality) Improved community and capacity for watershed protection in participant groups or organizations (percentage funding increase, new protection policies) Improved group organizational capacity (e.g., number of members, strategic plans created)</td>
</tr>
<tr>
<td>4</td>
<td>Ohio Watershed Leaders (OWLs) short term Percentage of participants increasing professional networks Percentage of participants increasing knowledge and skills</td>
</tr>
<tr>
<td>5</td>
<td>Ohio Watershed Leaders (OWLs) Medium term Percentage of participants cooperating or collaborating as a result of participation at OWLs Number of new partnerships or collaborations Percentage of participants implementing a new idea or skill gained from OWLs</td>
</tr>
<tr>
<td>6</td>
<td>Ohio Watershed Leaders (OWLs) long term Dollars saved or generated as a result of new partnerships and/or collaborations</td>
</tr>
<tr>
<td>7</td>
<td>Ohio Certified Volunteer Naturalists (OCVN) Short term Percentage of participants gaining knowledge and skills in local ecology, ecological systems, data collection, conservation, and interpretation Incremental increase in organizational capacity due to OCVN contributions (e.g., number of hours of interpretation offered, number of visitors reached)</td>
</tr>
<tr>
<td>8</td>
<td>Ohio Certified Volunteer Naturalists (OCVN) medium Percentage of participants applying conservation practices Percentage of participants involved in long-term monitoring and/or educational programs Percentage of OCVN volunteers participating in community service efforts beyond required service Percentage of OCVN who take on leadership roles (e.g., serve on the boards of directors of organizations serving the community and/or leading community events)</td>
</tr>
<tr>
<td>9</td>
<td>Ohio Certified Volunteer Naturalists (OCVN) long term Increases in ecosystem quality (as measured with test-kit and monitoring protocols) Increases in environmental services (e.g., acres of green space and/or protected areas, number of easements)</td>
</tr>
</tbody>
</table>
Outcome #1

1. Outcome Measures

Ohio Watershed Academy Short Term Percentage of participant incremental increase in self reported knowledge assessment scores (offered pre and post Academy training) Percentage of participants expanding knowledge and skills in watershed planning and professional networks (self reported)

2. Associated Institution Types

● 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

<table>
<thead>
<tr>
<th>Year</th>
<th>Quantitative Target</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>80</td>
<td>80</td>
</tr>
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</table>

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)
Ohio Environmental Protection Agency and Ohio Department of Natural Resources rely heavily on local watershed group leaders to develop and implement watershed action plans. Students in the Ohio Watershed Academy are leading those planning efforts.

What has been done
Ohio Watershed Academy course was completed.

Results
Course evaluations indicate that 80% of students had self-reported increase in knowledge and awareness of watershed management processes. 70% indicated that they felt better prepared to lead watershed protection efforts.

4. Associated Knowledge Areas

<table>
<thead>
<tr>
<th>KA Code</th>
<th>Knowledge Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>112</td>
<td>Watershed Protection and Management</td>
</tr>
</tbody>
</table>

Outcome #2

1. Outcome Measures

Ohio Watershed Academy Medium Term Percentage of participants implementing specific skills (e.g., stakeholder involvement, evaluation and/or outreach strategies) Percentage of participants taking on new leadership roles in watershed management

2. Associated Institution Types

● 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure
3b. Quantitative Outcome

<table>
<thead>
<tr>
<th>Year</th>
<th>Quantitative Target</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>80</td>
<td>70</td>
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</tbody>
</table>

3c. Qualitative Outcome or Impact Statement

**Issue (Who cares and Why)**
Ohio Environmental Protection Agency and Ohio Department of Natural Resources rely heavily on local watershed group leaders to develop and implement watershed action plans. Students in the Ohio Watershed Academy are leading those planning efforts.

**What has been done**
Ohio Watershed Academy course was completed.

**Results**
Graduates of the Academy indicated that they had gained knowledge and skills in many areas related to watershed management, including stakeholder involvement.
Over 70% of graduates reported significant increase in knowledge and skills in stakeholder involvement.

4. Associated Knowledge Areas

<table>
<thead>
<tr>
<th>KA Code</th>
<th>Knowledge Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>112</td>
<td>Watershed Protection and Management</td>
</tr>
</tbody>
</table>

**Outcome #3**

1. Outcome Measures
Ohio Watershed Academy Long term Improved watershed health (e.g., changes in water and habitat quality)
Improved community and capacity for watershed protection in participant groups or organizations (percentage funding increase, new protection policies) Improved group organizational capacity (e.g., number of members, strategic plans created)

Not Reporting on this Outcome Measure

**Outcome #4**

1. Outcome Measures
Ohio Watershed Leaders (OWLs) short term Percentage of participants increasing professional networks Percentage of participants increasing knowledge and skills

2. Associated Institution Types
- 1862 Extension

3a. Outcome Type:
Change in Knowledge Outcome Measure

3b. Quantitative Outcome

<table>
<thead>
<tr>
<th>Year</th>
<th>Quantitative Target</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>80</td>
<td>80</td>
</tr>
</tbody>
</table>

3c. Qualitative Outcome or Impact Statement
Issue (Who cares and Why)
Ohio Environmental Protection Agency and Ohio Department of Natural Resources rely heavily on local watershed group leaders to develop and implement watershed action plans. Students in the Ohio Watershed Academy are leading those planning efforts.

What has been done
Ohio Watershed Leaders workshop was completed.

Results
Participants indicated they increased their professional networks and knowledge/skills related to watershed protection. More than 50% of participants indicated they made a professional contact. Over 80% indicated they had substantial knowledge gain in some area of watershed management.

4. Associated Knowledge Areas

<table>
<thead>
<tr>
<th>KA Code</th>
<th>Knowledge Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>112</td>
<td>Watershed Protection and Management</td>
</tr>
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</table>

Outcome #5

1. Outcome Measures

Ohio Watershed Leaders (OWLs) Medium term Percentage of participants cooperating or collaborating as a result of participation at OWLs Number of new partnerships or collaborations Percentage of participants implementing a new idea or skill gained from OWLs

Not Reporting on this Outcome Measure

Outcome #6

1. Outcome Measures

Ohio Watershed Leaders (OWLs) long term Dollars saved or generated as a result of new partnerships and/or collaborations

Not Reporting on this Outcome Measure

Outcome #7

1. Outcome Measures

Ohio Certified Volunteer Naturalists (OCVN) Short term Percentage of participants gaining knowledge and skills in local ecology, ecological systems, data collection, conservation, and interpretation Incremental increase in organizational capacity due to OCVN contributions (e.g., number of hours of interpretation offered, number of visitors reached)

Not Reporting on this Outcome Measure

Outcome #8

1. Outcome Measures

Ohio Certified Volunteer Naturalists (OCVN) medium Percentage of participants applying conservation practices Percentage of participants involved in long-term monitoring and/or educational programs Percentage of OCVN volunteers participating in community service efforts beyond required service Percentage of OCVN who take on leadership roles (e.g., serve on the boards of directors of organizations serving the community and/or leading community events)

Not Reporting on this Outcome Measure
Outcome #9

1. Outcome Measures

Ohio Certified Volunteer Naturalists (OCVN) long term Increases in ecosystem quality (as measured with test-kit and monitoring protocols) Increases in environmental services (e.g., acres of green space and/or protected areas, number of easements)

Not Reporting on this Outcome Measure

V(H). Planned Program (External Factors)

External factors which affected outcomes

● Economy
● Appropriations changes

Brief Explanation

Two Watershed Educator positions were eliminated due to reductions in the state budget. Many county educator positions were eliminated, which affected the Ohio Certified Volunteer Naturalist program. In some cases, local OCVN programs were eliminated.

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

1. Evaluation Studies Planned

● After Only (post program)
● Before-After (before and after program)
● During (during program)
● Case Study

Evaluation Results

(No Data Entered)

Key Items of Evaluation

(No Data Entered)