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2216 Meadowview Road
 Greensboro, NC 27407
www.ptrc.org

Davidson County Citizens for Improving Stream Health (DC FISH)

October 1st 2011-September 30th, 2012
 Piedmont Triad Regional council – Contract # 4291
 Grantee Information:

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Fourth Quarter Work Element	Date completed
1) Identify Concerned Citizens and Stakeholders - List of contacts and a survey to gauge interest	<i>Ongoing</i>
2) Design Materials - Final DC FISH Handbook tested	December 31, 2011 - <i>Complete</i>
3) Encourage Partnerships - County Extension Service, Girl Scouts	<i>Ongoing</i>
4) Design & maintain webpage - Developed	<i>Developed</i>
5) Data Analysis and Presentations – Presentations developed	December 31, 2011 - <i>Ongoing</i>
6) Stakeholder Group Meetings -	December 31, 2011 - <i>Ongoing</i>
7) NC StreamWatch - Stream monitoring modified for the classroom arena and confirmed successful.	December 31, 2011 - <i>Ongoing</i>
8) Publicity and Media – press coverage obtained	December 31, 2011 - <i>Ongoing</i>
9) Educational Signs -	<i>Not Yet Started</i>
10) Mapping - Sample Maps created	December 31, 2011 - <i>Ongoing</i>



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1) Element: Identify concerned citizens and stakeholders.

Product: List of participants

Schedule: Ongoing

Additional stakeholders have been identified and contacted and added to the list of contacts. See DC FISH Contacts Updated and Survey.

2) Element: Develop Materials

Product: Brochures, Logo, StreamWatch Guides/Handbook,

Schedule: January 2012 – September 2012

A logo was created. A brochure was created. The handbook/Stream Watch Guide has been finalized and distributed to interested participants. A QAPP was created to guide Stream Watch groups. Participants welcomed the resources and ease of using the Handbook.

3) Element: Partnerships

Product: Partnership local schools

Product: Participation with other stakeholder groups

Product: Increased level of participation from local governments

Schedule: Ongoing

During the 4th quarter: Lexington City Schools had us visit a fifth grade class to highlight stream ecosystems and the need for reducing pollution. Oak Grove Middle incorporated DC FISH presentations and Stream Watch programs into their curriculum for the 8th grade science. Presentations were also prepared to deliver with County Extension Service partnership to provide landscapers with continuing education credits. See Presentations.

During the 1st through 3rd quarters Brown Middle, North Davidson Middle and Tyro Middle were schools that participated in DC FISH programming. During the 1st through the 3rd quarters presentations were also given to the Thomasville Rotary Club, and the Lexington Lions, Garden and Women's Clubs. Connections were also made with the County Extension Service, Soil and Water Conservation District and local Governments who were excited about the resources that DC FISH brought to Davidson County. Partnerships were also made with Davidson County Girl Scouts through the Streamside Training at Boone's Cave Park.



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4) Element: Webpage development

Product: Webpage including an interactive map, volunteer opportunities, water quality monitoring results, photos, a blog, links to other websites, and additional relevant material. Number of website hits will be a measurable result of this project.

Schedule: (Webpage will be maintained by Stormwater SMART after September, 2012).

Website development has been initiated and can be found at:

<http://www.ptrc.org/index.aspx?page=249>. Due to the new PTRC website design an interactive map is not an option. However, as volunteer opportunities arise, monitoring results are obtained and events are held in Davidson County Stormwater Smart will populate the DC FISH website with those materials.

5) Element: Data Analysis and Presentation

Product: Detailed presentation designed to educate the public on the status of DC FISH

Schedule: Ongoing

I have created presentations detailing the information we have on impaired streams in Davidson County. As data from volunteer Stream Watch groups is obtained, the data will be analyzed and information will be added to the website and presentations. See the personalized presentation examples.

6) Element: Stakeholder Core Group Meetings

Product: Specific recommendations DC FISH members in each community can use to implement educational programs in the form of a project atlas.

Schedule: Ongoing

Focus group meetings for landowners along the impaired Lower Abbotts Creek and Rich Fork Creek were held on December 1st, 5th and 8th 2011. Stakeholders are still being contacted and the core group being developed. Ongoing efforts will continue



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7) Element: NC Stream Watch

Product: Monitoring equipment

Product: Water Quality Data

Schedule: January 1 - Ongoing (Stormwater Educator will continue to support DC FISH data collection efforts as part of the PTRCs general stormwater outreach effort)

A portion of the water monitoring equipment was ordered and received for this project. A QAPP has been sent to DWQ and is on file. Training materials were finalized and a Stream Watch training was publicized. The Stream Watch training has been modified for the classroom to allow students an opportunity to simulate monitoring water quality. This program meets the new curriculum Essential Standards and is designed to highlight the ecological relationships within a stream and how they are affected by poor water quality. Review the first quarter StreamWatch folder on the FTP site for a copy of the QAPP and MSDS sheets for the chemical reagents used to test the water quality data.

8) Element: Media Coverage

Product: Coverage in local newspapers, radio, and other media outlets.

Schedule: Ongoing

Contacts have been made and coverage was obtained for the event held in April, for the NC Big Sweep in Davidson County and for the meeting with the county commissioners held before DC FISH was initiated. Coverage was also obtained in the Association of Engineering and Geologists spring newsletter (See page 17 of the newsletter). I anticipate continued media coverage in the County that will increase the public's awareness of the water quality concerns. See Press Release.



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9) Element: Educational Signs

Product: Signs designed and printed to address pollution.

Schedule: Not Started Yet

Signs have not yet been designed. Locations for the signs have been discussed and signage is still a goal for the County. This should not interfere with the dissemination of information throughout the County. Stormwater SMART will continue to seek locations for the signs and to design signage with the DC FISH and DWQ logos as streams are adopted.

10) Element: Mapping

Product: Maps for water quality sampling and public outreach

Schedule: Ongoing

A GIS Map of the public properties along impaired streams has been made. Additional maps highlighting the environmental justice needs of Swearing Creek and potential Stream Watch locations have been made. See attached maps.

Problems – The goals of the project were established with the original budget of just over \$25,000. The final budget was just under \$16,000. While significant time and energy was spent on this project and significant gains were made for improving water quality in Davidson County by increasing the awareness of the water quality concerns, certain goals such as designing signs were not possible with the time and money available for DC FISH. DC FISH will continue operations in Davidson County under Stormwater SMART. We will continue to work with stakeholders to accomplish goals that we were unable to complete during this grant period due to budget and time limitations, including the creation of signs, etc., all of which will bear the DC FISH and DWQ logo.

Full-time Equivalents Supported – see attached documentation

Budgetary Outlays – see attached documentation

- Itemized expenditures
- Total expenditure
- Amount being requested for reimbursement

Invoice – see attached documentation