



Codorus  
Creek  
Watershed  
Association

*Mission: To enhance, restore, sustain and protect the Codorus Creek Watershed and its environs as a living resource for future generations, and as a habitat for biodiversity*

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# Up the Creek

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**SUMMER 08**

**Growing Greener - Flowing Cleaner**

**Volume 8, Issue 2**

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## **A Busy Spring !!**

*By Jim Leaman*

This past spring, CCWA participated in three buffer plantings and had two consultations with land owners, regarding stream problems. There were also plantings at the Mill Creek Nature Preserve directed by Dr. Jeff Kuhn

April 19, 2008 was a perfectly delicious day in New Freedom when eleven CCWA volunteers joined with others at a property along Country Club Road. Margaret Wild owns a piece of land through which the New Freedom Church Tributary flows on its way to join the South Branch of the Codorus. During the assessment process several years ago, ARRC discovered wild trout in this quality headwater stream. Two hundred bare root plants were planted along both sides of the stream; a good mixture of trees and shrubs. These included two dogwood species, serviceberry, winterberry, red maple, white oak and hemlocks and other species.

Eleven CCWA volunteers also joined forces with the Chesapeake Bay Foundation and other groups in a buffer planting on the Deibert Farm, near Sticks, PA (close to the Maryland line). Four hundred trees and shrubs were planted that day.



***CCWA volunteers also joined forces with the Chesapeake Bay Foundation and other groups in a buffer planting on the Deibert Farm, near Sticks, PA***

April 12, 2008 was the date for plantings at the Mill Creek Preserve. Dr. Kuhn had a large group of his Suburban High School students on hand as well as Bob Miller of York Township. The 200 plants were divided into 2 groups and those planted to serve as a harvestable nursery (CCWA's second) were placed between the parking area and the creek. The larger green ash and red maple trees were planted at various spots along the creek banks.



***Mill Creek Preserve HELP-Buffers native shrub nursery planting by Dr. Kuhn's Suburban High School students as well as Bob Miller of York Township***

## **Stream Ecology Lab at Logos Academy**

*By Steph Lehr*

Hello to all of you at CCWA! I hope you are enjoying your summer and all the outside activities you are finally able to experience again. I know I have been busy planting and working in my yard, which I thoroughly enjoy. With that said, let us back track a couple of months so I may relate to you my experience with the Logos Academy in late April. Beginning on April 23, Mr. Jim Leaman (our Chairman) conducted a series of tests on how phosphates affect algae growth. I was happy to help out the 7<sup>th</sup> grade class on Thursday April 24 as Mr. Leaman's lab assistant. What I had learned in his 11<sup>th</sup> grade environmental science class all came rushing back to me. It was very rewarding to me being able to interact with and get to know the children and help them as well. Our aim was to study the role phosphates play in causing algae blooms. The lab was part of a Stream Ecology unit.

The students were split up in groups of two. Each group added clear pond water to glass jars; at that point they added small bits of common pond algae to each jar. Some of the jars received detergent to determine whether phosphate content was a factor. Other jars received liquid fertilizer containing phosphate. Still others had small amounts of vegetable peelings mixed in with the algae. The remaining jars served as a "control". After the lab was completed jars were placed in windows to receive strong light and observed over a period of 10 days.

**Class Results:** The jars that had received fertilizer were the only ones that showed a green haze which was an algae bloom. On the other hand, the jars with peelings showed cloudiness and decay, evidence of bacteria and a drop in oxygen. The class work in various ways related all of the results to the Codorus Watershed and Chesapeake Bay.

The children enjoyed experimenting and learning. It's the "hands on" training that students need to help focus. This way they are not only listening to a teacher but actually taking an active part in protecting and engaging themselves in these activities that will hopefully help them realize how it plays such an important part in the future of our environment. The more they can participate; these boys and girls will embrace the learning experience and feel pretty good about themselves in the process which is a positive thing. To all, have a wonderful summer.

The Logos Academy 6<sup>th</sup> and 8<sup>th</sup> grade students were scheduled to finish planting the buffer zone at our Oil Creek project, along with four volunteers from Central High School. However, Tuesday May 20, 2008 was very cold and rainy, and the flood plain was muddy in the extreme. Hence I called off the Academy volunteers and the four Central High students and I planted the 110 container plants.



***Logos Academy students conducted a series of tests on how phosphates affect algae growth causing algae blooms, the lab was part of a Stream Ecology unit***



***Central High students helped CCWA planted 110 native trees and shrubs to complete the Oil Creek restoration project, in Heidelberg Township***

***Many thanks for all our volunteers for making this Spring so successful!!!***

## ***Newsbriefs:***

1. Oil Creek Finished!! The project is complete with 2700 ft of restored stream, a buffer of approximately 500 plants, stream bank fencing and four cattle crossings.



***Downstream view of recently completed Oil Creek restoration project showing riparian forest buffer planting and streambank fencing***

2. New Project for 2008: CCWA has applied for a Growing Greener Grant to extend the restoration on Oil Creek 1100 ft further downstream.
3. Logos Academy: the school, (grades K-8) has secured a \$900 grant to be used for joint projects with CCWA.

## ***Educational Opportunities:***

### 1. CCWA Presentations:

May 16, 2008 – Southern York County Rotary Club

May 20, 2008 – New Freedom Lions Club

### 2. Consultations:

April 27, 2008 – Mike Shaffer and Jim Leaman at Louis Castriota's property near Swamp Road

May 23, 2008 – Jim Morris and Jim Leaman at Louis Castriota's property

June 13, 2008 – Gary Peacock and Jim Leaman at Caroline Paff's property in Railroad.

### 3. Stream Ecology:

Jim Leaman taught a unit on Stream Ecology to Logos Academy 7<sup>th</sup> grade students April 23 – May 8. This included a full day of activities out in the watershed.

## **CALENDAR OF EVENTS, 2008**

*Check our website for updates*

July 14	Board Meeting – 7 pm at Dr. Kuhn's cabin
August 28	Presentation to the Shiloh Garden Club
September 20	Booth at New Freedom Fest
September 28	WAY Watershed Weekend
October 5	Booth at Spoutwood's Mother Earth Harvest Fair
October 13	Board Meeting – 7pm York Water Co.

Visit our website at [www.codoruscreek.net](http://www.codoruscreek.net)

## MEMBERSHIP:

Membership renewal and dues were due in January, 09 unless you have joined in the last 3 months of 2008. Please complete the form below, make \$10 check payable to CCWA, and return mail to CCWA, PO Box 2881, York, PA 17405.

*Name* \_\_\_\_\_

*Address* \_\_\_\_\_

*Phone* \_\_\_\_\_ *E-mail* \_\_\_\_\_

*New Member* ( ) *Renewal* ( )

*Individual* ( ) *Organization* ( )

### **Board of Directors 2008**

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- Mike Shaffer – Vice Chair      Phone: 771-9870      E-mail: [mshaffer@ycpc.org](mailto:mshaffer@ycpc.org)
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- Jeff Hamon – Treasurer      Phone: 225-4711      E-mail: [jhamon@glatfelter.com](mailto:jhamon@glatfelter.com)
- Dr. Jeff Kuhn
- Gary Peacock
- Vacant

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