



**TOBYHANNA CREEK TUNKHANNOCK CREEK
WATERSHED ASSOCIATION**
P O BOX 796
POCONO LAKE PA 18347-0796

Phone: (570) 643-2001

Web Site: www.tctcwa.org

MARK YOUR CALENDARS FOR UPCOMING EVENTS

Inside this issue:

Water Quality Evaluation	2
President's Message	4
Financial Information	5
Macroinvertebrate Survey	5

- Inserts**
 —Call for Volunteers
 —Contribution Schedule

Saturday, July 28 at 11:00 a.m.

Join Monroe County Conservation District Watershed Specialist, Trish Attardo, at the Austin T. Blakeslee Natural Area for a demonstration on how to collect and identify the interesting critters living in the Tobyhanna Creek. Get an up-close look at live insects and other invertebrates that spend part of their life cycle in local streams, while viewing and hearing about their adaptations for survival. A short walk to Tobyhanna Falls will follow. Grilled hot dogs and soda will be available, with a suggested donation of \$2.00, reservations required. For directions or to be included in the hot dog count, call the TC/TCWA at 570-646-5206.

Monday, August 20 at 7 p.m. - TC/TCWA Annual Meeting. Join us for our Annual Meeting and the showing of the 2009 Documentary "TAPPED". The program will run approximately 1 hour. Refreshments will be served.



Thursday, September 20 at 7:00 p.m.

Join Astronomer Allen Rodriguez at The Nature Conservancy on Long Pond Road, Long Pond, PA for "A Night Under the Stars with the TC/TC Watershed". This will be a combination 1st quarter Crescent Moon and Star Watch. We will start at 7:00 pm as the Sun goes down to watch the Moon, so the little kids will still be up; and later around 9:30 to 10:30 it will be dark enough to point out the constellations and see the brighter Deep Sky Objects. Bring your lounge chairs or blankets for this event.



Saturday, October 27 at 10:00 a.m. - "Leaf Peeping" with Jason Smith. Join us at the Boardwalk behind the Pocono Mountain West High School in Pocono Summit for a tour of the fall colors in the bog, including the amazing yellow needles of the Tamarack Tree. R.S.V.P. to (570) 646-5206.

BOARD OF DIRECTORS

2011/2012

Officers

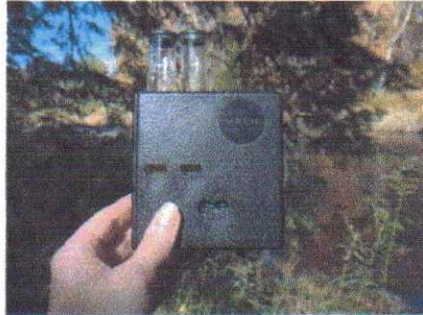
Larry Gould	President
Vacant	Vice-Pres.
Paula Guent	Sec'y/Treas.

Directors

Robert Eddy
 Allen Rodriguez
 Frances Daidone
 Terri Christoph

2011/2012 WATER QUALITY EVALUATION

In 2011, the TC/TCWA initiated a watershed-wide evaluation of the quality of the water flowing in our streams during various flow conditions. With guidance from the United States Geological Survey (USGS) and the Monroe County Conservation District, we have prepared a formal scope of work and begun to collect data and set up the equipment. Two automated sampling units are installed at two sites and will be programmed to collect stream water samples during two large rain events. The samples are then delivered to a lab for analysis of nutrient and sediment data. One sampler is located on the Upper Tunkhannock Creek, and the other is sited on the Tobyhanna Creek.



Additionally, we have conducted high flow and low flow synoptic sampling at eight stream sites throughout the watershed. Grab samples gathered during the high- and low-flow conditions will be analyzed and compared to one another in order to identify pollutants and attempt to trace their sources.

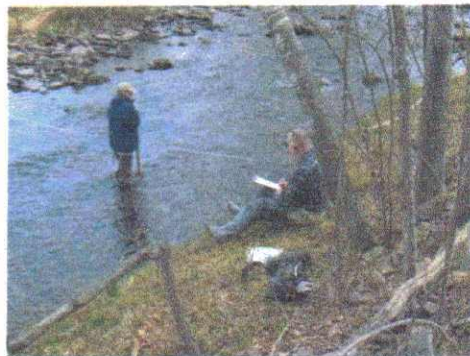
Our primary objectives for the project are:



1. Define locations in the Tobyhanna Creek Watershed where nutrient and sediment inputs are occurring so that remediation efforts may be targeted toward these locations.



2. Define nutrient and sediment concentrations over the course of a hydrograph so that the potential sources of nutrient and sediment inputs may be identified.
3. Relay the results of the water-quality surveys to watershed residents, businesses, and homeowners' associations through a variety of educational formats including educational programs, materials, and the TC/TCWA website.



As the project wraps up later this year, a final report will be prepared and available on our website.

MONITORING MATTERS

As of February 2011, George White has volunteered to assume the Stream Watch Coordinator Position under the guidance of Trish Attardo. We are still looking for additional volunteers to do stream water monitoring. If you have 1 to 2 hours once a month to aide us in monitoring our streams, please contact George by phone at (570) 646-3457 or by e-mail at: tctcwa@hotmail.com.

We would like to thank all those who are already volunteering their time and efforts to help ensure the quality of our pristine streams. We would also like to recognize and thank all those volunteers who have been of valuable assistance in the past.

Water is our most precious commodity! Please get involved!

VOLUNTEERS NEEDED- NO EXPERIENCE NECESSARY

The TC/TCWA needs your help as a volunteer. There is no experience necessary. Please contact us to become an important part of our organization by volunteering a little of your time. Volunteering is a fun, rewarding experience. Your help is always needed and appreciated. There are many part time volunteering opportunities available. We would also like your thoughts, ideas, and suggestions. Contact us or drop by and visit us at one of our monthly Board meetings which take place on the third Monday of every month 7:00 PM at the Nature Conservancy building in Long Pond.

Please get involved in your watershed. Just ask us how!

BOARD MEMBERS NEEDED

This is an urgent call for new Board Members and members in general. We need to replace some existing Board Members due to their moving away and being involved in other projects. Please join us in serving on your esteemed Board of Directors. It is a very nice experience and we meet only once a month at the Nature Conservancy building in Long Pond.

We would also like to boost our membership. Tell a friend or family member to please help support our efforts by becoming a member of the TC/TCWA. You will find a membership insert within this Newsletter. We need you! Please contact us immediately if you are interested in serving on our Board of Directors.

PRESIDENT'S LETTER

by

President Larry Gould

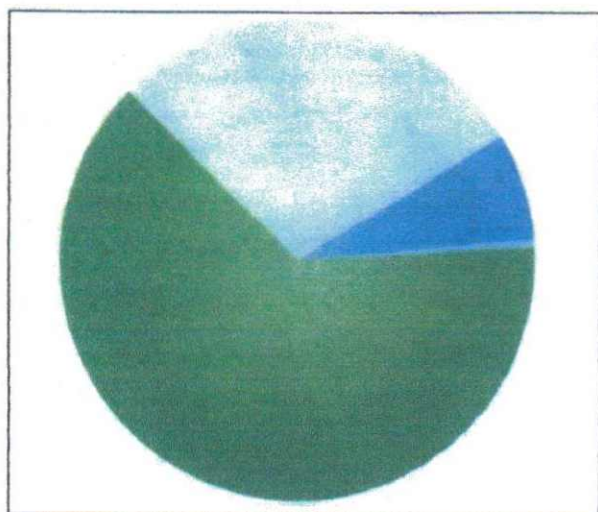
As springtime enters it's full effects, we see the flowers bloom, hear the birds sing, and the creeks flow. It is truly a wondrous time of the year when new growth spurts up from the ground, and our thoughts turn to outdoor activities. We should all enjoy the wonders of life, and the great gifts of our environment.

At the TC/TCWA, we will continue our stream monitoring program, and continue to be the watchdogs of our environment, especially our waterways. You can play a role in helping by getting involved, and doing your part to help in protecting our water supply. We each play a role in protecting our environment, and everything around us.

We have also set up some nice activities for you. I personally invite each of you to come out and participate in the many events that we have planned for you. See more information regarding these events, including dates and times in this newsletter.

Finally, I personally invite you to become a member, or, even more importantly, a member of our esteemed Board of Directors. There are several vacant positions that we need to fill, mostly due to other Board members moving away. Board membership is gratifying, fulfilling, and a great way for you to help. Please contact us on how you can become a member, or Board member.

I thank you for your support, suggestions and ideas. I hope that we all continue to be good stewards of our environment and waterways. We all can make a positive difference.

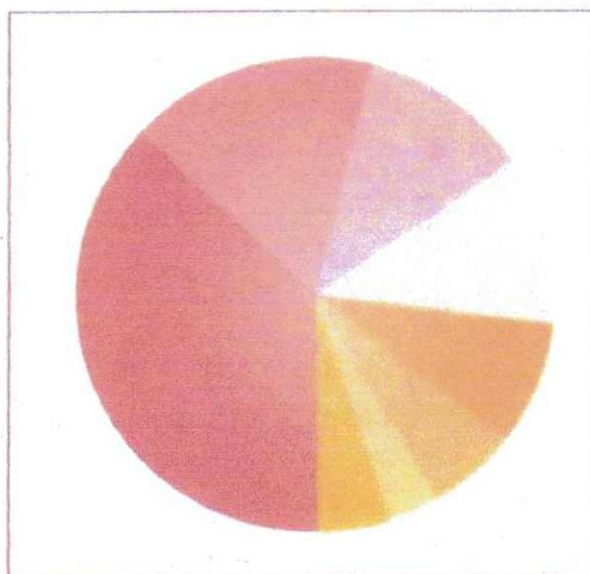


Income Summary

4030 Contributions Income	\$2,665.00
4000 Member Dues	1,230.00
4100 Grants	300.00
Other Accounts	<u>28.31</u>
	<u>\$4,223.31</u>

Expense Summary

6300 Repairs	\$2,003.29
6260 Printing and Reproduction	903.12
6130 Sec'y/Bkbp Expense	630.00
6110 Growing Greener Project	624.00
6140 Contributions	444.99
6250 Postage and Delivery	335.69
6180 Insurance	188.00
Other Accounts	<u>261.12</u>
	<u>\$5,390.21</u>



2011 MACROINVERTEBRATE SURVEY OF THE TC/TCWA WATERSHED

This past fall was the fifteenth year for our macroinvertebrate survey of the watershed. A total of five sites were surveyed by the Monroe County Planning Commission. Typically, the TC/TCWA also conducts sampling of several sites; however, weather conditions did not allow for this. The survey was conducted by collecting and counting the number of benthic (bottom-dwelling) macroinvertebrates (animals without a backbone which can be seen by the naked eye) in each of the represented taxonomic groups. Each group varies in its sensitivity to pollution, making these critters great indicators of water quality.

Due to the high stream flows, resulting from the excess rain received during the late summer and fall of 2011, the TC/TCWA opted not to conduct sampling beyond the County Water Quality Study. High flows scour the stream beds, which are home to a diverse array of stream macroinvertebrates. If a stream site were to have come up impaired, we would not have been able to rule out the effects of souring. Discharges of pollutants may have been masked, and impairments may have been incorrectly attributed to excess rain. Despite the high flows, the macroinvertebrate scores from the 2011 County Study show little to no impairments at each of the five sites. The results for these sites sampled by the County are not yet available.

Please consider renewing your
subscription.
We need your help and support.

**MAY IS
WATERSHED AWARENESS MONTH**

ADDRESS SERVICE REQUESTED

POCONO LAKE PA 18347-0796
P O BOX 796

TCTCWA NEWS

20 YEARS SERVING RESIDENTS OF THE POCONO PLATEAU



A
U
G
U
S
T

1
5

2
0
1
1



A
N
N
U
A
L

M
E
E
T
I
N
G



Twenty members of our watershed were present at our Annual Meeting to help us celebrate twenty years of service to the Pocono Plateau and listen to our guest speaker, Rick Koval, present his program "Wildlife and Watersheds of the Pocono Plateau". Mr. Koval's PowerPoint program illustrated the importance of our watersheds and showcased a series of rare plants and animals inhabiting these special places.