




**SPRING  
2008**

# THE 'SHED SHEET

*Chautauqua Watershed Conservancy*

## CWC EXPANDS OUTLET GREENWAY PRESERVE




CWC has expanded its Outlet Greenway Preserve with the recent purchase of a 12-acre wetland and forest wildlife habitat. This newly acquired parcel includes 280 feet of waterfront and is frequented by numerous species of birds and animals, including bald eagles, osprey and beavers. With this addition, and the recent one-acre donation by Thom Shagla, **the total acreage of the Outlet Greenway Preserve now stands at 81 acres with 4,100 feet of shoreline!** The installation of a 6-car parking lot at the preserve has begun, and future plans include the development of a trailhead, a 2,000 foot trail, a boardwalk through wet areas and an informational kiosk. If you are interested in volunteering to help build and install the kiosk and/or would like to volunteer with landscaping, please call the CWC at 664-2166 

## CWC TO PROVIDE WATERSHED EDUCATION

*Contact CWC to schedule a presentation to your club or neighborhood group!*

The Chautauqua Watershed Conservancy is pleased to report that the Chautauqua Lake Management Commission has recommended county funding be directed to the CWC for lake and watershed education programs. With few exceptions, nearly all the nutrients, sediments, germs and other pollutants entering the lake come from, or are strongly influenced by, watershed-based activities. Consequently, the educational programs to be delivered by CWC on behalf of the CLMC will teach watershed residents how to maintain their yards and grounds in order to restore watershed water collection, storage, filtration and delivery functions and minimize pollution of surface and ground waters. County and Conservancy staff are currently working on a contract for the delivery of these services.

As part of this program, the Chautauqua Watershed Conservancy is seeking to schedule as many watershed stewardship presentations as possible. If you are interested in setting up a presentation to a group of neighbors at your home, your neighborhood association or other area organization, please contact the CWC by phone at 664-2166 or by e-mail at [info@chautauquawatershed.org](mailto:info@chautauquawatershed.org).

The Conservancy will also be seeking qualified individuals for a watershed steward position to deliver watershed stewardship presentations and workshops as well as watershed landscaping and property maintenance technical assistance. The preferred qualifications for this position include a college degree in landscape design, horticulture, agronomy, turf science, soil science, biology or science education and/or experience in these fields. Interested persons can request placement on a list to receive a job description and application information when it becomes available by e-mailing [info@chautauquawatershed.org](mailto:info@chautauquawatershed.org) with "Watershed Steward" in the subject line. 

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Chautauqua  
Watershed  
Conservancy

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Founded in 1990, the Chautauqua Watershed Conservancy is a non-profit organization under Section 501(c)(3) of the Federal Tax Code whose mission is to preserve and enhance the water quality, scenic beauty and ecological health of the lakes, streams and watersheds of the Chautauqua region. The CWC is the *only* organization in the Chautauqua region working to promote best land management practices and to conserve local, undeveloped shoreline and wetland areas in perpetuity. All donations to the CWC are tax-deductible to the full extent of the law and any and all donations are greatly appreciated. *The 'Shed Sheet* is a quarterly publication of the Chautauqua Watershed Conservancy and is issued in January, April, July and October.

## **A Message from the President**

by Arthur D. Webster



Dear Friends,

People often ask those of us who are actively involved in trying to solve the issues of the lake and watershed, "*What can I do to help? The problems seem so complicated that I have no idea where to begin.*"

Well, the problems are complicated and, at times, seem to be without solution. One thing I and others have found is that trying to deal with these problems is not for the faint-of-heart! The work is often hard and frustrating.

But there are some simple things you can do to help. One is to support the on-going work of the Chautauqua Watershed Conservancy as a contributing member. If you are reading this article, chances are good that you already support the CWC. Keep it up!

Another simple thing you can do is to remember that for every square mile of surface area of Chautauqua Lake, there are eight square miles of watershed, and most of the water in the lake comes from the watershed. By comparison, for every square mile of surface area of the Great Lakes, there are only two and a half square miles of watershed. What happens in our watershed, therefore, dramatically and directly impacts Chautauqua Lake! That is why the work of the Chautauqua Watershed Conservancy is so important.

Yet another thing you can do is be careful how YOU impact the lake. Don't throw trash of any kind into it. If you live on the lake, don't fertilize your lawn or use pesticides. (If you must, use phosphate-free products and do so sparingly and well back from the water.) If you live on the lake, consider a buffer zone from water's edge back onto your property. This will help to filter the runoff from your property before it goes into the lake. Begin or continue to use phosphate-free automatic dishwasher detergent. New York State prohibits phosphates in laundry detergent but has not yet banned its use in automatic dishwasher detergent. **Did you know that one pound of phosphorous can produce 1,100 pounds of algae?** This fact has gotten the attention of both our Chautauqua County Legislature and Congressional Representative Brian Higgins, who has introduced legislation in Congress to ban phosphates in automatic dishwasher detergent.

Last summer, CWC embarked on a campaign to reduce the amount of phosphorous (P) in the lake. Perhaps you remember Jill Desborough's article in the fall issue of *The 'Shed Sheet* entitled "*Don't 'P' In the Lake.*" In that article, she pointed out that phosphorous can enter the lake through natural means, such as rainfall, but also through human activities such as fertilizing and using dishwasher detergent containing phosphates. (*continued on page 9*)

## *A Message from the Executive Director*

by John Jablonski III



### *Welcome Spring!*

Spring is here! The lake ice and snow are gone! It's now time for each of us to attend to our little piece of the watershed. No matter where we live, we all live in a watershed. How we manage ourselves, our homes, our businesses and our properties impacts a waterway somewhere downstream. Each of us impacts the property on which we live, and some have control over businesses, governmental activities or institutional activities. Still others have considerable influence over what land use practices and development practices take place in our towns and villages.

Recent research done by Robert Johnson of Racine-Johnson, by Janis Bowman and Chris Ecker of Jamestown Community College, and by Princeton Hydro have findings that recommend controlling watershed nutrients and sediments and conserving and restoring shoreline and streamside buffer vegetation. We at the Chautauqua Watershed Conservancy strongly encourage you to think carefully about how you impact your watershed and the stream or lake downhill. Addressing the root causes of the lake's plant and algae problems starts with action taken one property at a time! Here are some ways you can start enhancing the watershed functions of the watershed under your management:

Lakeshore and streamside property owners:

- Consider leaving a strip of unmowed vegetation to establish a "lakescape" buffer strip along your lakeshore, stream or roadside ditch and simply mow a curved path through the unmowed area to get to your dock. This lakescape buffer strip will discourage geese from feeding on your lawn and help filter out water pollutants before they reach the lake and reduce erosion of your lakeshore. Any width of natural vegetation is better than having turf grass to the lake's edge!
- Plant a series of trees and shrubs along your lakeshore. The roots of woody plants hold the soil in place much deeper and better than turf or grass roots. Call the CWC if you want a suggested list of what to plant. CWC also has a landscaper available who can provide some assistance.

All property owners:

- Reseed and mulch any bare spots in your yard or on your grounds to help control erosion. Even small patches of exposed ground can erode significant amounts of soil!
- Don't fertilize your yard or treat it with pesticides without first doing a soil test and having any apparent turf problems diagnosed by an experienced local landscaper. Lawns do not need multiple fertilizer or pesticide applications each year! Call CWC to make arrangements for a soil test.

Lake neighborhood associations:

- Call the CWC to schedule a group presentation and a field assessment of your neighborhood to develop recommendations specific to reducing storm water and pollution affecting the lake.

Have questions? Contact the CWC by calling 664-2166 or emailing [info@chautauquawatershed.org](mailto:info@chautauquawatershed.org). We appreciate your support and hope to see you this summer at one of CWC's events!



*John Jablonski III*

*"Man shapes himself through the decisions that shape his environment."*

*~ Rene Dubos, microbiologist and Pulitzer Prize winning author*



## *Position on Proposed Stow Area Hotel*



As many of you know, the development of a ten-story lakeshore hotel/condominium/conference center in Stow, NY, has been proposed to the Town of North Harmony Planning Board. CWC has received many inquiries regarding its position on the proposed development, so we would like to take the opportunity to clarify our position and concerns.

CWC joins the Chautauqua Lake Management Commission, the county, the municipalities and several other area organizations with the overall goal of managing the Chautauqua Lake watershed *sustainably*. CWC is not opposed to hotel, commercial, restaurant or residential development, though we would hope that any and all of these land uses would be done so as not to further degrade water quality in Chautauqua Lake. We urge all towns to negotiate with developers to strive for the same standard. In our opinion, it does not make good business sense to invest county taxpayer dollars to improve the Lake (and thus the region) and yet, at the same time, allow developers to contribute to its decline.

As for the proposed hotel at Stow, the Conservancy is very concerned about the intensity and scale of the development embedded within the proposal. Elements of both the proposed development and the zoning change/s should be closely scrutinized for potential adverse effects. Having seen how development often 'sprawls' in other parts of the country, our concerns pertain to both potential short- and long-term impacts.

With respect to the commercial/residential development proposal, we suggest that North Harmony think strategically about how the developer can meet his goals and yet contribute to the long-term sustainability of Chautauqua Lake and our region as a whole. Measures that do so could possibly be rewarded through incentives. Elements of the proposal that degrade water quality or quality of life would be inconsistent with the overall goal of improving our economy and providing enjoyment for residents and visitors alike.

Although we have serious concerns related to the proposed zoning change, in our opinion, current zoning in the Town of North Harmony is not well suited for protecting the lake and its watershed. It does not protect sensitive natural or cultural features. North Harmony is one of the few towns in the county that is consistently experiencing population growth which, if not well planned, can threaten water quality, sustainability and long-term economic prosperity. The current zoning's lot coverage requirements do not include parking lots and other impervious surfaces, which are, in fact, lot coverage. It does not include minimum green space requirements, particularly buffers on the lake and stream shores. These are just two examples of local land use policy that are inconsistent with improved water quality.

CWC is aware that the Town of North Harmony Planning Board is reviewing community plans and zoning for the Stow hamlet area. We recommend that they obtain professional planning and architectural expertise to help them and the public develop plans and zoning provisions which will preserve the character and natural environment of the Stow hamlet area. The Town should complete a strategic plan which includes an overall vision for the area, followed by zoning provisions and architectural requirements to implement the vision. CWC recognizes the right to develop property within existing laws and guidelines, but this process would not in any way interfere with the developer's opportunity to proceed at present with a proposal which conforms to the current zoning for that part of the Town.

CWC has a long-standing history of working with private landowners and municipalities to improve water quality in our region. We have submitted letters to and spoken with the Town of North Harmony's Planning Board about the proposal, and we thank them for the opportunity to provide our input. CWC remains willing to provide assistance to the Town and/or the developer to revise and strengthen existing zoning, to craft a new zoning district and/or advise on development plans.

For more information, contact the Town of North Harmony by calling 789-3445 or logging on to <http://www.townofnorthharmony.com>. Information can also be obtained from the concerned citizens' group Chautauqua Coalition for Responsible Development by logging on to <http://savechautauqua.com> or emailing [save.chautauqua@gmail.com](mailto:save.chautauqua@gmail.com).





## Lake Achieves Hypereutrophic Status



### *Lake Scientists Call for Quantifying & Prioritizing Sources of Phosphorus*

The cloudiness of lake water and how far down you can see is often related to the amount of nutrients in the water. The more the nutrients, the more the plants and animals and the cloudier the water is. This is a common, but indirect, way to roughly estimate the condition of a lake. This condition, called eutrophication, is a natural aging process of lakes but can be unnaturally accelerated by too many nutrients. Chlorophyll *a* (an indirect measure of phytoplankton and the key pigment enabling photosynthesis in lake algae) and total phosphorus (an important plant nutrient and potential pollutant) are often used to define the degree of eutrophication, or trophic status, of a lake. (reference: <http://epa.gov/bioindicators/aquatic/carlson.html>)


According to a March 2008 *Chautauqua Lake Water Quality Report* by Princeton Hydro, research commissioned by the Chautauqua Lake Management Commission (CLMC) “calculated trophic state indices for the different [water quality] parameters were all high, indicating a hypereutrophic status for Chautauqua Lake in August 2007.”

**Princeton Hydro:  
“These concentrations  
are not acceptable for a  
recreational water body.”**

The report also stated that these high numbers “are associated with increased probabilities of encountering nuisance conditions, such as nuisance algal blooms” and that “the water quality conditions of Chautauqua Lake are generally consistent with those of a hypereutrophic ecosystem.” Phosphorus, usually the limiting nutrient in lakes, was found to be at concentrations above the threshold for nuisance algal growth, and chlorophyll *a* concentrations at in-lake sampling sites were also extremely high, thus indicating intense algal blooms. The report goes on to state that “these concentrations are not acceptable for a recreational water body” and that “dense blooms of cyanobacteria (blue-green algae), which indicate a state of eutrophication were identified throughout the lake and verified through sampling. Cyanobacteria cause surface scums, have little value as a food source and **can be toxic to wildlife and humans.**”

Princeton Hydro recommends the following to deal with these algal and plant conditions:

- Creating a long-term in-lake restoration strategy that focuses on the reduction of the invasive species Eurasian watermilfoil and its replacement with native vegetation using a combination of physical, chemical and biological management techniques which are coordinated to achieve some measurable level of control.
- Developing a long-term holistic watershed based management plan to address and reduce the high in-lake phosphorus concentrations which contribute to the excessive summer blue-green algal blooms.
- Updating and quantifying the magnitude of the annual phosphorus loads that originate from various watershed sources, with these sources prioritized based on the magnitude of their phosphorous loads.
- Dividing CLMC’s Watershed Management Plan into a series of site-specific “sub-plans” so that local communities can be provided with goals and objectives in terms of reducing their respective pollutant loads.

At the recommendation of the CLMC, the county contracted with the SUNY Fredonia Research Foundation in 2007 to begin on a “lake and watershed management plan” using state funds acquired via the Town of Busti. The CLMC also commissioned TVGA Consultants to document and evaluate erosion sites in lake tributaries and to work with town and village officials to implement storm water and erosion control components on municipal public works projects. County and state funding has been allocated to begin stream studies leading to the design and implementation of watershed and stream enhancement and stabilization projects to control erosion and sedimentation. More information on these studies, reports and projects will be provided through upcoming presentations and future newsletters as it becomes available. (Note: One of the authors of the *Chautauqua Lake Water Quality Report*, Princeton Hydro’s Dr. Fred Lubnow, will be the featured guest speaker at CWC’s annual meeting this July.) 





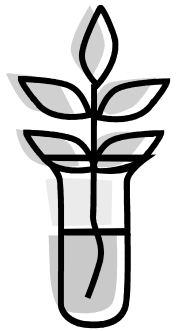
## Position on Proposed Use of Herbicides in Lake



In February 2008, CWC wrote to the Chautauqua Lake Management Commission expressing questions, concerns and comments related to their proposed use of herbicides as a means to manage nuisance aquatic plants in Chautauqua Lake.

We applauded CLMC's collaborative efforts towards a more holistic approach to the long-neglected issues of land use, watershed erosion, lake sedimentation and best practices for the management of invasive plant species. Nevertheless, we remain concerned over public pressure for herbicide-based quick-fixes which fail to address the root causes of the nuisance plant dilemma. CWC recognizes that certain property owners and lake users have indeed experienced nuisance Eurasian watermilfoil over-growth and decay conditions in the past and that these conditions have seriously impaired the use and enjoyment of the lake. CWC recognizes that certain areas may, in fact, demand more targeted management strategies to alleviate their severe conditions. It also recognizes that very selective and limited use of herbicides, in combination with intensive mechanical harvesting and other management strategies *may*, under *extreme* conditions, be justified. Yet the **deliberate introduction of toxic chemicals into the waters of Chautauqua Lake must be carefully considered since wide-ranging, unforeseen and destructive ecological and human health consequences are possible.**

The CLMC is considering the use of the systemic aquatic herbicide Triclopyr (Renovate<sup>®</sup>3) for possible use in Chautauqua Lake. Renovate<sup>®</sup>3's ability to target certain plant groups makes it preferable to Endothal (Aquathol K), Diquat or other broad-spectrum contact herbicides, but many ecological and economic concerns remain. Much is still unknown about the possible acute and chronic effects of this herbicide's application on the lake's biodiversity and native flora and fauna. Of special concern is the potential impacts of pesticide drift and over-spray on the native flora and fauna in the biologically-productive shore areas of the lake, outlet wetland and littoral zones. **Renovate<sup>®</sup>3 may promote algae blooms** and may also have toxic effects on non-target species, such as native aquatic plants, phytoplankton, macroinvertebrates, frogs, turtles and young fish as well as undesirable effects on other aspects of the lake's food web.




The CWC is in support of alternative, non-herbicide methods of milfoil control such as the insect herbivory potential of *Euhrychiopsis lecontei* (aquatic weevils) and *Acentria ephemerella* (aquatic moth larvae) and is concerned that the application of herbicides in the lake will only succeed in knocking down these resident populations and prevent further success of these valuable aquatic insects. According to research performed on Cayuga Lake by Cornell University's Robert Johnson, milfoil abundance declined on that lake a few years after mechanical harvesting and herbicide use ceased, presumably due to the presence of the herbivorous moth *Acentria ephemerella*. Consequently, a preferred control option based on this research may be to prohibit harvesting or chemical applications to plant beds and minimize their disturbance in order to allow herbivores to develop populations large enough to effectively control plant growth. (Eurasian watermilfoil has been abundant in Chautauqua Lake for decades. It was an "invasive species" expanding its range throughout Chautauqua Lake in the early to mid-1900s and grows wherever sediment and light conditions allow.)


For these and many other reasons, the CWC recommends using Renovate<sup>®</sup>3, or any other herbicide, only as a last resort and only AFTER successful in-lake testing has been done in restricted, specifically-targeted lake areas where human and environmental health are at risk and where non-chemical control methods are no longer feasible. Limited, mid-May spot-treatment in a total area of no more than 5% of the northern or southern basin's littoral zones should allow control of nuisance Eurasian watermilfoil without large-scale chemical treatment, major habitat disturbance or long-term impacts upon native and beneficial aquatic plant communities, while at the same time provide needed relief for human activities in areas most severely affected by abundant nuisance plant growth.

With the hope of **developing an environmentally-sound and sustainable long-range management plan** for the control of submerged nuisance aquatic vegetation in Chautauqua Lake, we strongly urge the CLMC to: *(continued next page)*

*Herbicide Use Continued...*

- plan for multi-year, objective, controlled, in-lake test-plots and scientific studies of Renovate<sup>®</sup>3 to address questions relative to short- and long-term effects and impacts on the biodiversity, biomass and distribution of Chautauqua Lake native plants, macroinvertebrates, amphibians, reptiles, birds and fish. These tests should also include short- and long-term effects relative to nutrient loading due to “knock down” and the resulting potential algal blooms.
- require the completion of a full botanical inventory by qualified aquatic botanists to update current knowledge about and document aquatic plant species diversity, biomass and distribution. This survey should provide a better understanding of the true extent of monotypic milfoil communities and accurate assessments of areas where milfoil dominates, thus allowing more effective targeting of potential management efforts.
- require a truly comprehensive and objective approach to effective submerged aquatic vegetation management by not only considering chemical, biological (herbivory and fishery) and mechanical methods but ALSO recognizing the critical contributions of lakeside and watershed-wide sedimentation and nutrient loading impacts upon plant and algae growth. **The importance of wise watershed land-use practices, erosion control measures and reduction of nutrient-loading into the lake can not be over-emphasized!**

The long-term ecological integrity of one of our region’s most valuable natural resource, Chautauqua Lake, is of utmost importance to the CWC, both environmentally and economically, and we thank the CLMC in advance for their wise stewardship decisions concerning these critical and far-reaching issues. 



*“Look deeply into nature, and then you will understand everything better.”*

*~ Albert Einstein*

## Chautauqua Watershed Conservancy

*Yes! I want to help preserve the lakes, streams and watersheds of the Chautauqua region.*

- I want to:     become a new member of CWC  
                    renew my annual CWC membership

Name \_\_\_\_\_ Phone (\_\_\_\_) \_\_\_\_\_

Address \_\_\_\_\_ Email \_\_\_\_\_

Individual/Family Memberships:

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Friend \$1 - \$49       | <input type="checkbox"/> Steward \$50 - \$199                   | <input type="checkbox"/> Contributor \$200 - \$499 |
| <input type="checkbox"/> Supporter \$500 - \$999 | <input type="checkbox"/> Conservation Partner \$1,000 - \$4,999 | <input type="checkbox"/> Land Legacy \$5,000+      |

Business/Corporate Memberships:

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> Sponsor \$100 - \$499 | <input type="checkbox"/> Leader \$500 - \$2,499 | <input type="checkbox"/> Partner \$2,500+ |
|--|---|---|

- My tax-deductible check is enclosed
- Please charge \$ \_\_\_\_\_ to my MasterCard/Visa/American Express/Discover



Card Number

Expiration

Signature

Please remit with your contribution to: Chautauqua Watershed Conservancy, 413 North Main Street, Jamestown, NY 14701

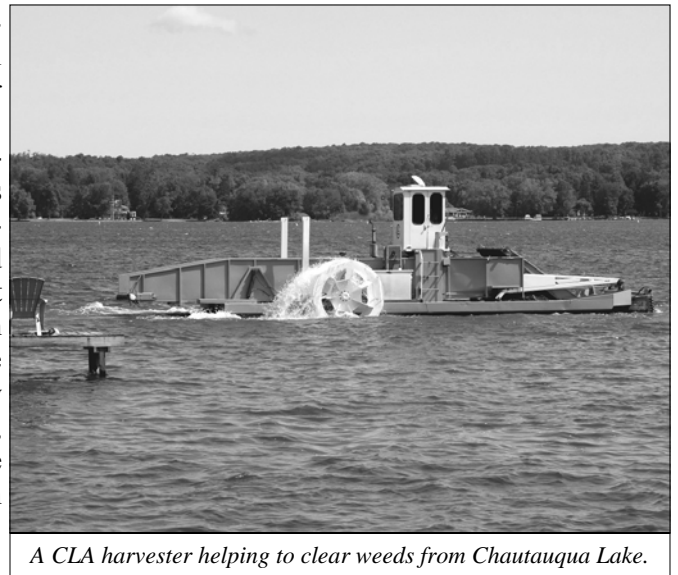


## *News from the Chautauqua Lake Association*

### *The Ice is Off the Lake*

As of April 5, 2008, the ice is off the lake, changing the focus of the attention of the Chautauqua Lake Association (CLA) from winter maintenance and repair of its equipment to lake operations. Over the winter, the CLA has been busy overhauling, painting, repairing and performing other maintenance on all of its equipment. As the fleet of eight harvesters, three transport barges and other equipment has aged, the winter maintenance requirements have increased significantly. Many of the harvesters and barges exceed 20 years of age and are beyond the manufacturers' estimates of their useful life of operation. The continued productive use of this equipment is a testament to the hard work and dedication of the CLA staff each and every winter.

With the change of weather, the hiring of seasonal employees has begun. Last year, the CLA employed 54 seasonal individuals in its lake maintenance operations. This number far exceeded past seasons because of the operation of a second shift. While the costs imposed by a second shift are of significant concern, the benefit from the improved condition of the lake was readily apparent to everyone. Accordingly, the CLA again intends to operate a second shift in both weed harvesting and shoreline cleanup this year. The weed harvesters and transport barges will be on the lake starting at 7:00 a.m. Monday through Friday each and every week of the summer. The shoreline cleanup crews will also work from 7:00 a.m. to dusk Monday through Friday and on Saturday mornings until noon. Last year, for the first time, the CLA completed the entire perimeter of the lake before the end of July and was able to return to problem areas throughout the remaining portion of the summer season. The CLA expects that to be the case this year as well.



*A CLA harvester helping to clear weeds from Chautauqua Lake.*

Through the generosity of the Sheldon Foundation, the CLA has purchased a Hydro-Mate AM 2000 dredging machine. This new machine will be used to dredge areas where streams flow into the lake depositing silt and other sediment. The machine will also assist in shoreline cleanup in areas difficult to access with the other equipment.

Like every other business and household, the CLA is concerned about the high cost of fuel. Operating the equipment from dawn to dusk necessarily means that fuel is one of the largest expenses for the CLA. The CLA relies on the support of municipalities, foundations and generous individuals to support its operations. Your past contributions and continued support are both appreciated and critical to the success of each summer season.



Sincerely,

Tad Wright

Chautauqua Lake Association President

*"Look deeply into nature, and then you will understand everything better."*

*~ Albert Einstein*

*President's Message continued...*

In an effort to educate residents on the link between phosphate and the condition of the lake, and to inform them about alternative, phosphate-free products, CWC volunteers handed out informational brochures and samples of ECOVER, one of several phosphate-free dishwasher detergents on the market, at several summer events and meetings. Samples were provided to almost 2,400 households!

So, you see, there are things that each of you can do to help the condition of the lake! CWC thanks you for these efforts and, as always, your support of the Conservancy.




"P"-free automatic dishwasher detergents include brands such as Palmolive eco+, Ecover, Citra-Dish, Seventh Generation and Shaklee and can be found in Chautauqua County at Wegmans, Quality Markets, Lakewood Apothecary, Lighthouse Grocery and Shaklee suppliers.

"P"-free lawn fertilizers can be found in Chautauqua County at Brigiotta's, Mike's Nursery, Red Brick Farm and the Chautauqua County Soil & Water Conservation District.

(This is not an exhaustive list.)

Dishwashing Detergents (for automatic dishwashers)	Type	Phosphate content
Palmolive eco+	Gel	0%
Citrus Magic	Gel	0%
Ecover	Tablet	0%
Seventh Generation	Liquid	0%
Shaklee	Powder	0%
Sun & Earth	Tablet	0%
Bi-O-Kleen	Powder	0%
Electra-Sol Gel	Gel	3.7%
Sunlight Liquid	Liquid	4.3%
Electra-Sol Powder	Powder	4.5%
Cascade Liquid	Liquid	5.0%
Sunlight Powder	Powder	4.5%
Cascade Complete	Liquid	5.0%
Cascade PureRinse	Powder	6.4%
Cascade Action Pac	Tablet	8.0%
Electra-Sol Tablets	Tablet	8.7%
Electra-Sol GelPac	Gel Pac	8.7%

Modified from [www.assabriveriver.org/nutrient/detergents.html](http://www.assabriveriver.org/nutrient/detergents.html)

*It's All About Energy Efficiency!*

**A new ultra-efficient mechanical system supplies the entire Chautauqua County Office Complex with hot and chilled water for heating and air conditioning.**

**District heating/cooling is an inherently energy efficient Green System.**

**The "greenest" buildings are those that are reused.**



**Harrington Sandberg**  
ARCHITECTURE & ENGINEERING, P.C.

JAMESTOWN • BUFFALO • ROCHESTER

*Your Green Team for Sustainable Design.*

\*\*\*\*\*  
 \* ~ *Special Thank You Notes* ~ \*  
 \*\*\*\*\*

**Memorial & Honorariums**

In honor of Cynthia Bracken for her birthday from Ben & Sarah Bracken

In memory of Laverne & Joan Carlson from Robert & Camille Guinnane

In memory of Gertude Cook from Marsha Pritz

In memory of Reverend R. William Large from Ralph & Patricia Rudy

In honor of Don S. Weaver, Sr. for his birthday from Betsy Sicher

**Recent Support from Business & Club Members**

- |                         |                           |
|-------------------------|---------------------------|
| Camp Chautauqua         | Portage Trail Garden Club |
| Frewsburg Lions Club    | Quality Mechanical LLC    |
| Green Thumb Garden Club | Women's Club of Lakewood  |

**Welcome to New Members**

- |                                |                          |
|--------------------------------|--------------------------|
| Paul & Rosemary Andrews        | Ralph & Patricia Rudy    |
| Preston Butchel                | Barbara Schwartz         |
| Lawrence & Maureen Collins     | Lisa & Molly Sims        |
| Bradley Devine                 | Donald & Janice Smith    |
| Robert & Camille Guinnane      | Michelene Szell          |
| Robert & Priscilla Kirkpatrick | Daniel & Agnes Tomsick   |
| Sheila Kroon                   | David & Deborah Warn     |
| Deirdre Lauer                  | Women's Club of Lakewood |

**LAKESCAPING FOR HEALTHIER LAKES**



**YOU COULD WIN \$500!** The New York State Federation of Lakes Association is holding a competition to improve the health and appearance of New York's lake shorelines and increase awareness of the benefits of good shoreline management. Healthy lakeshore plantings provide numerous benefits to humans and wildlife that depend on the lake. Any homeowner who is a current member of NYSFOLA or a member of a NYSFOLA member lake association (such as the CWC) is eligible. The deadline is June 15th, 2008, so don't delay! For more information or to obtain an application form, log on to [www.nysfola.org](http://www.nysfola.org), email [fola@nysfola.org](mailto:fola@nysfola.org) or call 1-800-796-3652.



## 2008 SPRING & SUMMER CALENDAR



SUNDAY, MAY 18TH,  
1:00 PM:

**Spring Wildflower Walk** at CWC's Dobbins' Woods preserve on Bly Hill Road in North Harmony (½ mile west of Route 394). Led by JCC Biology Professor Becky Nystrom. Open to everyone at no charge.

SATURDAY, JUNE 14TH,  
8:30 to 11:00 AM:

**Healthy Landscapes ~ Healthy Waters Workshop I** on lakescaping, streamscaping and watershed lawn care presented by Sharon Anderson, watershed steward for the Cayuga Lake Watershed Network. Held at Chautauqua Suites Meeting & Expo Center in Mayville. Open to all who want to improve their yard's habitat and watershed functions. Free to CWC members; \$6 for non-members. Includes refreshments.

SUNDAY, JUNE 22ND,  
3:30 to 5:00 PM:

**Member Appreciation Reception** at the Hotel Lenhart in Bemus Point. Join CWC staff and board directors for conversation and refreshments. Open to all CWC members at no charge.

SATURDAY, JULY 5TH,  
7:00 PM:

**Beaver Swamp Stroll** at the Chautauqua Creek East Branch Preserve, Route 430, Mayville-Sherman Road. (Just outside of Summerdale, opposite Red Wing Road.) Led by preserve manager Jay Stratton. Please dress accordingly for water, mud, thorns and high weeds. Open to everyone at no charge.

WEDNESDAY, JULY 9TH,  
7:00 to 9:15 PM:

**Healthy Landscapes ~ Healthy Waters Workshop II** on lakeshore lawns, breakwalls and natural shorelines and their influence on lake plants, insects and fish populations. Featuring John Hiebert (Minnesota's Dept. of Natural Resources), Robert Johnson (Cornell University Research Ponds) and Janis Bowman and Chris Ecker (Jamestown Community College). To be held at the Village Casino in Bemus Point. Open to everyone at no charge.

SUNDAY, JULY 20TH,  
5:00 to 7:00 PM:

**CWC's Annual Meeting** at Webb's Captain's Table in Mayville featuring Dr. Fred Lubnow, Aquatics Program Director at Princeton Hydro. Buffet dinner for \$40.00 per person.

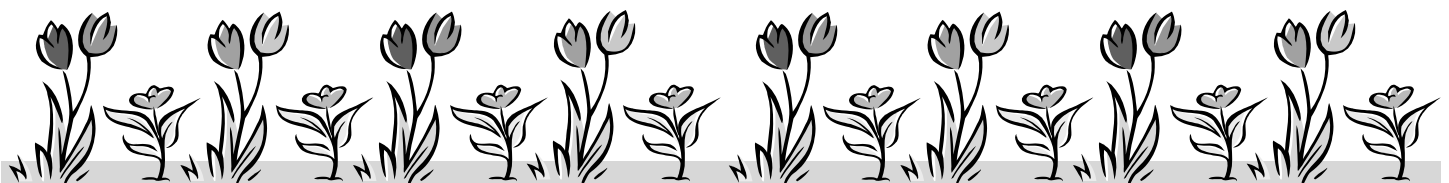
SATURDAY, AUGUST 2ND,  
10:00 AM to 12:30 PM:

**Chautauqua Gorge Hike** led by Jay Stratton. Meet at the Patterson Library on South Portage Street in Westfield for a hike through Chautauqua Gorge. Dress appropriately for slippery stones and cold water. Open to everyone at no charge.

MONDAY, AUGUST 18TH:  
(Location and time to be announced)

**Presentation** on managing geese on waterfront properties given by Cornell University Wildlife Science Professor Dr. Paul Curtis. Open to everyone at no charge.

**NOTE: Please register for all events by emailing [info@chautauquawatershed.org](mailto:info@chautauquawatershed.org) or calling 716-664-2166.**



## ARRANGE A SOIL TEST FOR YOUR LAWN!

Do you fertilize your lawn?

Is your lawn regularly fertilized by a lawn care company?

If so, please have your lawn tested before applying any more chemicals to it! How? During the month of June, CWC will arrange to collect your soil sample, deliver it to Cornell Cooperative Extension of Chautauqua County and have Cornell provide you with personalized soil management recommendations for a healthy lawn. A nominal fee will be charged to cover the costs of travel, preparation and lab analysis. Please help *protect the lake by avoiding unnecessary fertilization* and, at the same time, save yourself some money by knowing exactly what your lawn does and does not need! You won't even have to get your hands dirty! Please contact the CWC at 664-2166 to arrange for this service.



### Chautauqua Watershed Conservancy



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*Preserving and enhancing the water quality, scenic beauty and ecological health of the lakes, streams and watersheds of the Chautauqua region.*