

2010 Annual Report



Owasco Lake Watershed Inspection Program

Jessica Reinhart

**Owasco Lake Watershed
Inspector**

Natural Resource Center
7413 County House Road
Auburn, NY 13021

(315)-252-4171 x 120

24-Hour Emergency Contact:
(315)-253-8754
(City of Auburn Water Filtration Plant)

jreinhart@cayugaswcd.org

www.owascolake.org




Acronyms

ACOE
CC HD
CEO
CPESC
CC SWCD
GIS
IAGT
NRCS
NYS
NYS DEC
NYS DEC ECO

OLWIP
OLWRR
OWLA
OWN
SLWAP
WQMA

Army Corps of Engineers
Cayuga County Health Department
Code Enforcement Officer
Certified Professional in Erosion and Sediment Control
Cayuga County Soil and Water Conservation District
Geographic Information System
The Institute for the Application of Geospatial Technology
Natural Resources Conservation Service
New York State
New York State Department of Environmental Conservation
New York State Department of Environmental Conservation,
Environmental Conservation Officer
Owasco Lake Watershed Inspection Program
Owasco Lake Watershed Rules and Regulations
Owasco Watershed Lake Association
Owasco Watershed Network
Skaneateles Lake Watershed Agricultural Program
Water Quality Management Agency (Cayuga County)

Overview of 2010



The Owasco Lake Watershed Inspection Program (OLWIP) was met with several changes during 2010. OLWIP did not receive funding from previous sources to hire seasonal inspectors for the summer months. Even without help, OLWIP completed 244.5 hours inspecting by vehicle, foot, and boat within the watershed, resulting in 291 inspections. Of those inspections, eight violations of the OLWRR were documented (five septic system-related issues; three agricultural issues), as well as three violations of NYS DEC regulations and one violation of ACOE regulation. OLWIP also monitored ten lakefront construction sites, and ten other construction sites throughout the watershed, eighteen miscellaneous environmental concerns, and participated in several public outreach events.

Asian clams were discovered by an OWLA water sampler, reported to OLWIP, and identification was confirmed by several professionals. Asian clams (*Corbicula fluminea*) are an invasive species, causing significant problems throughout the United States, including waterbodies like Lake George and Lake Tahoe. Serious environmental concerns are raised by Asian clams, including their effect on biodiversity of the native bivalve and mollusks species, their relationship to blue-green algae outbreaks, and clogging water intake pipes. Educational efforts have been made and agencies, including Cayuga Community College, are formulating sampling and mapping protocols to be completed in the spring of 2011.

The City of Auburn, County of Cayuga, Town of Owasco, and many other agencies began discussions for forming the Owasco Lake Watershed Management Council (Council). The Council will work to bring together all of the municipalities within the watershed to take partnership in the health of the watershed. Although very recently formed, the Council seems very promising in dealing with a variety of watershed issues. The City of Auburn and Town of Owasco also increased water rates to provide funding for a part-time, year round inspector. In the future, the Council would also like to add a Resource Manager and receive grants and contributions to complete projects throughout the watershed.

OLWIP worked with the Cayuga County Planning Department and OWLA to complete water sampling during the summer months. Although the 2010 program was a scaled-back version of the sampling performed in the past, samples were picked up from eight locations around the lake and two samples were taken on the Owasco Inlet, resulting in ten total samples. Samples were processed by a local environmental laboratory, giving results for fecal coliform, total phosphate, and nitrate. Samples were collected on seven occasions (June 22, July 6 & 20, August 3, 17, & 31, and September 14). CC SWCD also provided OLWIP with an Americorps staff, who was able to help collect the samples and input the results for distribution.

Through the work of IAGT, OWN, or www.owascolake.org, was developed as an internet “hub” for information about the lake and its watershed. OLWIP developed a webpage with information about the program and important contact information. There is also a link for property owners to send OLWIP an e-mail with questions, concerns, and even provides them the ability to upload a photo of their concern/question.

There are approximately 4060 septic systems within the Owasco Lake Watershed (Cayuga County—2,990; Tompkins County— 1,000; Onondaga County—70).

Asian Clams Discovered in Owasco Lake

In September of 2010, an OWLA water sampler observed what he believed to be Asian clam shells along his beachfront near Sucker Brook. OLWIP responded by collecting the specimens, and with the help of the Finger Lakes Institute and the Cayuga County Planning and Economic Development Department, samples were sent to several different professionals for positive identification. All of the researchers agreed that the specimens were Asian clams (*Corbicula fluminea*).

After the positive identification, several agencies along with OLWIP presented educational pieces to inform the public of the new invader. These educational tools included: press releases and articles for the local papers, information on WQMA and OWN websites, and a video e-mail taped by OLWIP to inform people about the discovery. OWN also conducted a homeowner survey to allow residents to check their own property for Asian clams. The survey was a way to get the public involved in watershed issues and to document the extent to which Asian clams have spread around the lake. Cayuga Community College staff are working to incorporate Asian clam sampling and mapping into both biology and GIS classrooms. Mapping and sampling efforts will be important to help determine where Asian clams are prevalent and if there are management tools available to reduce their populations, or at least control its spread. WQMA is also undertaking efforts to keep Asian clams from being spread to other local waterbodies.

Asian clams, which are also known as golden clams, are a non-native species to the United States. They are believed to have been transported here by immigrants as a food source. They were first identified living in a waterbody in Washington State in 1938. Asian clams are believed to have spread to 40 other states through both the food and aquarium trade. Most notably, Asian clams are currently being combated in Lake George and Lake Tahoe.



Asian clams are small clams (less than 1.5 inches in length). They are brown to golden in color and have defined ridges running along the shell. Asian clams prefer sandy bottoms, and shallow, warm waters. They are hermaphroditic, producing over 400 offspring during their peak reproductive period of July through September. Juveniles produced do not swim, but float in water currents, spreading Asian clams throughout a waterbody, if conditions are right.

It is unknown exactly how Asian clams were introduced to Owasco Lake. Asian clams pose several environmental concerns for the lake. One concern is their ability to clog water intake pipes. Another major concern is how Asian clams will disrupt the natural food web in the lake. Asian clams reproduce prolifically, displacing native clams and mollusk species. Asian clams are also filter feeders, feeding on plankton, reducing food sources for other plankton eaters, as well as sediment feeders. Another associated environmental impact with Asian clams is because of their high densities (approximately 500 clams per square foot), their nutrient-rich excrements nourish algal growth. In Lake Tahoe, they have reported significant increases in green algae species living around Asian clam beds. Asian clams also foster the growth of zebra and quagga mussels by concentrating calcium, which the mussels need for shell growth.

Agriculture

2010 OLWRR Violations

- 1.) *February 12, 2010, Town of Venice*—Violation notice was issued to farmer for allowing animals access to tributary #9 of the Owasco Inlet sub-watershed. Farmer was not willing to work towards solving issues. Continuing to collect enough evidence in order to take case to court.
Violation not abated. Need more information to continue with the case.
- 2.) *April 21, 2010, Town of Locke*—Manure was spread within 75 feet of the main branch of Hemlock Creek, without incorporation. Violation notice was served to farmer. No further spreading on this field has occurred.
Violation abated, pending no further spreading within 75 feet of the stream unless manure is incorporated within 24 hours.

- 3.) *August 4, 2010, Town of Skaneateles*—OLWIP responded to complaint of possible manure in tributary #5-1a of the Dutch Hollow Brook sub-watershed. It was determined that there had been an issue with the manure transfer piping, causing manure to enter the stream. OLWIP worked with NYS DEC, CC SWCD, and SLWAP to monitor clean-up. NYS DEC also deemed spill to be a violation of their regulations. Discussion with these agencies, as well as farmer, farm planner, and engineer have continued regarding 1.) solving initial issue of the failure of the pipe to prevent breaks in the future, and 2.) determining an environmental benefits project to improve the watershed area. OLWIP helped in brainstorming different project ideas. Final determination to be completed in 2011.

Violation abated. Continue to work with NYS DEC to determine final remediation efforts at the site.



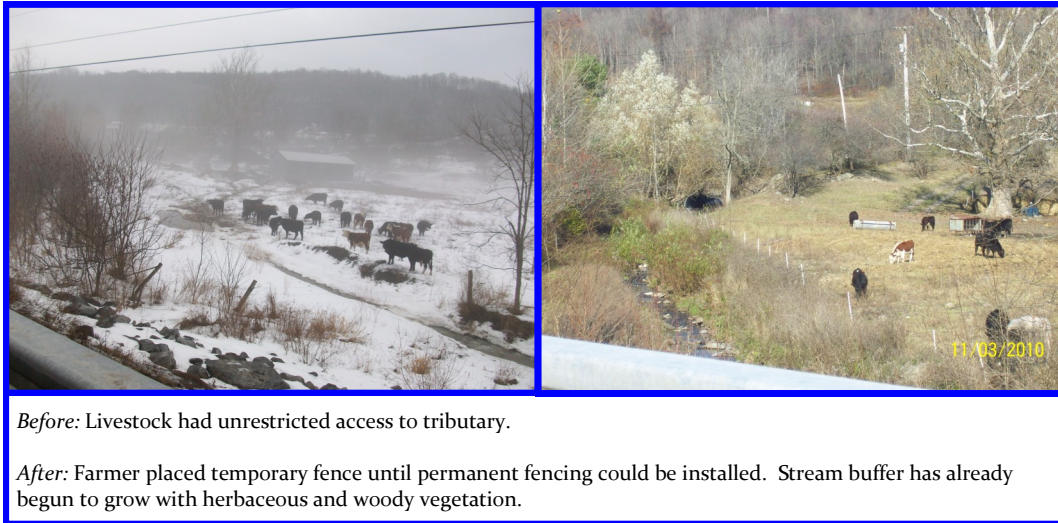
Picture shows manure downstream of where spill occurred. Picture was taken during the initial investigation.

NYS DEC Violation

- 1.) *September 24, 2010, Town of Owasco*—NYS DEC ECO received complaint of silage leachate reaching roadside ditch. NYS DEC ECO issued violation notice to the farm and wanted to formulate plan to deal with situation. Contacted OLWIP and CC SWCD for suggestions. CC SWCD is working on updating nutrient management plan and offering suggestions for absorption area for the silage leachate. NYS DEC ECO plans to use some of these suggestions as part of his violation notice. OLWIP will continue to follow-up with NYS DEC ECO and CC SWCD with regards to final determination and implementation of the order.

Updates for 2009 OLWRR Violations

- 1.) *February 19, 2009, Town of Locke*—Original violation was livestock having unlimited access to tributaries #34, 35, and 36 of the Owasco Inlet sub-watershed. In early 2010, farmer was accepted for funding through Agricultural Nonpoint Source Abatement and Control Program, Round 16 grant process to place fencing and establish a rotational grazing system for his livestock. CC SWCD is waiting for contract from NYS Agriculture and Markets to begin work. Farm was also added to Agricultural Nonpoint Source Abatement and Control Program, Round 17 to add drilled wells and troughs to the rotational grazing system. Proposal was submitted in December, 2010 and CC SWCD is waiting for response. OLWIP asked farmer to place temporary fencing along tributaries to protect banks and restrict access to the stream while waiting on grant process. Thick vegetation growth along the streambanks occurred in just one growing season.



- 2.) *November 25, 2009, Town of Locke*—OLWIP noted livestock with unrestricted access to tributary #2b of the Hemlock Creek sub-watershed. CC SWCD had already begun to work with farm. Farm has been awarded funding under the Agricultural Nonpoint Source Abatement and Control Program, Round 16 grant process to install fencing and establish a rotational grazing system. Waiting for NYS Agriculture and Markets to issue contract to begin work.

Other Agricultural Investigations

- 1.) Investigated five manure spreading complaints. None were found to be violations of the OLWRR and/or other water quality standards. [2—Locke; 2—Owasco; 1—Venice]
- 2.) *May 1, 2010, Town of Skaneateles*—Worked with farmer who was looking to replace failing culvert pipe under an access road. Provided advice and information on proper permitting and ideas for having the work completed.
- 3.) *May 7, 2010, Town of Skaneateles*—Worked with farmer to support project to re-locate stream, which would protect it from runoff from the barnyard and bunk silo and better protect it in the event of an accident (i.e. fuel spill). NYS DEC permitted the activity, but ACOE has not. NYS DEC, OLWIP, SLWAP, and CC SWCD support the efforts as a water quality measure on the farm. Continue to pressure ACOE to reverse their decision.
- 4.) *September 24, 2010, Town of Niles*—Investigated one complaint of livestock having access to stream. No violation found.

Septic Systems

2010 OLWRR Violations

1.) *February 22, 2010, Town of Venice*—OLWIP reported to CC HD seasonal camp where property owners lived in a camper during the summer months. CC HD investigated and found two violations of the Cayuga County Sanitary Code; 1.) construction of a new privy within 100 feet of a well, and 2.) an outdoor shower that empties directly onto the ground. Property owners plan to hire an engineer to resolve the issue with the privy and will abandon the outdoor shower. Property will remain vacant until the spring of 2011.

Violation abated pending compliance with CC HD regarding both violations.

2.) *June 24, 2010, Town of Scipio*—OLWIP researched rental properties and found a small lakeside boathouse with no records of any wastewater disposal system. Listing for rental property stated that there was one bathroom inside the structure. CC HD investigation found that plumbing from the boathouse was connected to the septic system for the larger house on the same property without CC HD approval. CC HD required property owners to disconnect plumbing and keep the house unoccupied. CC HD is also requiring that the property remain unoccupied until plans for a new septic system have been submitted, approved, and installed according to their standards.

Violation abated pending submittal and approval of the design, and installation of a new septic system.



Blackish-grey residue is sewage leaching to the ground surface from the failing septic system.

3.) *July 9, 2010, Town of Niles*—Lakefront rental property owner has been working to resolve septic system issues since 2008. In spring of 2010, CC HD received and approved expansion of leachlines to solve previous failure. OLWIP inspected septic system as part of reviewing rental property septic systems. Expansion had already been completed at site, but sewage was still reaching the surface. CC HD required property owner to have the tank pumped out and to check for leaking pipes in the house. No leaking pipes were found. Contractor suggested installing a curtain drain upslope of leachfield. Curtain drain was installed, but system was still failing. Property owner has continued to have septic tank pumped when house was occupied. CC HD has required plans for a complete replacement of the septic system.

Violation abated pending submittal and approval of design, and installation of a new septic system.

4.) *July 14, 2010, Town of Fleming*—OLWIP was contacted by the Town of Fleming Highway Department regarding a possible sewer issue. Property owner was experiencing water leaching through the bank at the shoreline. OLWIP encouraged the Town of Fleming to investigate sewer first because of the health risks associated with raw sewage. Town of Fleming Highway Department found problem in sewer line. A large rock had broken through the entire line and blocked most of the pipe, along with two other holes in the pipe. The soil around the break was black, indicating that sewage had been in contact with the soil. Town of Fleming Highway Department had a camera run through the sewer after the repair was made and found no other holes at that time. Shoreline was still damp, but OLWIP encouraged property owner to wait and give the bank some time to dry out. There was also a significant amount of groundwater in the pit when digging where break occurred, which may also be contributing to the dampness on the shoreline.

Violation abated.



Picture shows rock that had broken through sewer line, as well as two other holes in the section of line.

5.) *October 26, 2010, Town of Moravia*—OLWIP inspected demolition and construction site at a lakefront home. The Town of Moravia had permitted the work to be completed, but had not received clearance from CC HD for the septic system. CC HD determined the system was inadequate for the new structure. Property owners appealed by submitting a variance based on a hardship that was beyond their control. Variance Committee met and discussed the situation. They granted the variance by allowing the existing septic system to be used until the end of 2011. In addition, the Variance Committee wants engineering plans for the replacement system to be submitted by June 15, 2011 and the new system has to be installed prior to using the home in 2012.

Violation abated pending cooperation with CC HD with regards to the mandates made by the Variance Committee.

Other Septic System Investigations

- 1.) *March 3, 2010, Town of Fleming*—OLWIP noted possible failing septic system over leachlines (tall green grass, some water at the surface, while surrounding ground was noticeably drier). CC HD checked site and determined that the system was not failing at that time because there was no odor or definite sewage in the water.
- 2.) *April 12, 2010, Town of Niles*—OLWIP received a complaint that a property owner was concerned that wastewater was seeping through the bank from the neighbor’s drywell. CC HD determined that the drywell was functioning properly and was not seeping water to the neighbor’s property.
- 3.) *August 17, 2010, Town of Scipio*—OLWIP received complaint of lakefront septic system being installed approximately 20 feet from the top of the streambank. Spoke with the CC HD which did not consider the ravine to be a watercourse because the watercourse was not mapped and was not flowing during their site visit, therefore the end of the leachlines could be 15 feet or more from the top of the streambank.

Updates for 2009 OLWRR Violations

- 1.) *September 21, 2009, Town of Fleming*—OLWIP received complaint about septic system in 2009. CC HD had already begun to work on the situation. Failing septic system was repaired and no further issues have occurred.
- 2.) *October 20, 2009, Town of Owasco*—OLWIP found septic system to be failing and reported to CC HD in 2009. Failing septic system was repaired and no further issues have occurred.



Picture shows raw sewage at the ground surface from failing septic system from 10/20/2009 investigation. This system was repaired in the fall of 2010.



Picture shows area of failing septic system and its proximity to the roadside ditch from the 9/21/2009 investigation. Septic system was repaired in 2010.

Stormwater

NYS DEC Violation

- 1.) *December 7, 2010, Town of Owasco*—NYS DEC and OLWIP monitored construction of retaining wall at lakefront property. NYS DEC ECO issued violation notice because excavation was done within the mean high water mark without proper permitting.

ACOE Violation

- 1.) *June 11, 2010, Town of Owasco*—OLWIP responded to complaint of clearing near a wetland. OLWIP investigated and determined that some of the clearing had taken place within the wetland, which was under federal designation. OLWIP passed on information to ACOE to handle situation. ACOE resolved and prohibited further work to be done in the wetland.



Picture shows clearing and disturbance within an ACOE-regulated wetland. OLWIP investigated situation and worked with ACOE to resolve .

Lakefront Construction Projects

- 1.) *February 26, 2010, Town of Fleming*—OLWIP monitored construction of a celebration hall. Structure and ground disturbing activities were completed in 2010.
- 2.) *June 1, 2010, Town of Fleming*—Received complaint of runoff from driveway of lakefront construction site. Facility and driveway had already been constructed. No runoff coming from the driveway. No sediment deposited on driveway or roadside ditch.
- 3.) *June 18, 2010, Town of Owasco*—Investigated landscaping and lawn project near the lakeshore. Erosion and sediment control practices were incorporated until lawn was stabilized.
- 4.) *July 28, 2010, Town of Fleming*—OLWIP monitored construction/remodel of lakefront home. Silt fencing was in place and properly installed.
- 5.) *July 28, 2010, Town of Scipio*—OLWIP monitored construction of retaining wall and installation of erosion and sediment control practices at lakefront home. Project was completed in 2010.
- 6.) *October 26, 2010, Town of Moravia*—OLWIP monitored demolition and construction of lakefront home. Worked with contractors to implement sediment and erosion controls.



Construction of retaining wall at lakefront home. Project has been completed.

2010 Watershed Construction Projects

- 1.) *Town of Owasco development*—Continue to monitor development for more construction or changes to stormwater practices. Worked with CC SWCD’s CPESC and Town of Owasco Planning Board member regarding stormwater retention ponds and other stormwater concerns.
- 2.) *July 7, 2010, Town of Moravia*—OLWIP received a complaint of filling near the Owasco Flats and concerns about whether the activity would require a permit. Researched local and state laws that may have jurisdiction over the site. Concluded that the activities on the site were not a regulated activity and would not require a permit.
- 3.) *July 27, 2010, Town of Scipio*—OLWIP monitored home re-model and installation of retaining wall at property. Worked with contractor to have sediment and erosion control practices properly implemented and maintained during the project.
- 4.) *October 13, 2010, Town of Owasco*—OLWIP monitored new home construction. Worked with CEO to have silt fence installed properly and extended to better protect the drainage swale along the front of the property.



Active construction site within the watershed. Silt fence in place protects sensitive areas and prevents disturbed soil from moving offsite.

Updates for 2009 Lakefront Construction Projects

- 1.) *March 16, 2009, Town of Scipio*—In spring of 2010, site experienced erosion and lost a significant portion of the bank due to undersized and improperly utilized stormwater practices. OLWIP and CC SWCD worked to size watershed and determined paths of all drainageways within the sub-watershed. Initial results showed culvert pipes currently in place are undersized to handle to amount of stormwater that could be produced by a variety of storm events. Both agencies recommended property owner hire an engineer to properly size piping and tools that should be implemented at the site before continuing to place retaining wall. Retaining wall was installed by contractor before other water issues had been addressed, as recommended. Retaining wall has failed due to poor installation and not addressing upslope water concerns. Property owner will not respond to OLWIP’s request for how situation will be solved. OLWIP will monitor site during rain/snowmelt events for water quality violation (NYS DEC Environmental Conservation Law) and hand situation over to NYS DEC to enforce.



Picture shows failed wall at lakefront property. Wall failed due to poor construction and upslope drainage issues not being addressed.

- 2.) *May 6, 2009, Town of Scipio*—OLWIP continues to monitor lakefront home construction. Some sediment and erosion control practices are in place. Other portions of the project have been completed and stabilized.

- 3.) *May 21, 2009, Town of Fleming*—OLWIP continues to monitor construction of a new lakefront home. Sediment and erosion control practices properly installed at the property.
- 4.) *August 29, 2009, Town of Scipio*—OLWIP continues to monitor construction of new home. Sediment and erosion control practices incorporated and maintained.

Updates for 2009 Watershed Construction Projects

- 1.) *March 16, 2009, Town of Fleming*—Worked with property owner to install silt fence around stockpiles from excavation of driveway. Driveway installed for construction of a house, but construction has not taken place.
- 2.) *June 2, 2009, Town of Moravia*—Construction of roadway and installation of utilities completed. Four building lots are available, but no homes have been constructed.
- 3.) *August 29, 2009, Town of Owasco*—Construction of home was completed. Lawn has been established.
- 4.) *October 15, 2009, Town of Moravia*—Construction of home completed in 2010 and yard has been established.
- 5.) *October 20, 2009, Town of Owasco*—OLWIP continues to monitor construction of home. Contractors following Town of Owasco’s building permit with regards to stormwater practices.



- 6.) *November 25, 2009, Town of Fleming*—Construction of home completed in 2010. Contractor worked with NYS DEC to get proper permits to have more than one acre open at the site.

Public Outreach

- Presented to the Auburn City Council on January 7, 2010. Presentation was also taped and posted onto the OWN website to be viewed by the public.
- Sent letter of support for federal funding for the Town of Owasco's Sewer District #3. Installation of Sewer District #3 would connect all lakefront properties in the Town of Owasco to the sewer line.
- Completed new webpage for the inspection program on the OWN website. Webpage has information about OLWIP, maps, and water quality information. There is also an e-mail link so people can send an e-mail message and pictures about a concern.
- Completed re-mapping of the firelane roads due to the inaccuracy of the data. Data has been passed on to the Cayuga County Planning Department.
- Attended Career Day at Tyburn Academy (March 26).
- Appeared on Guy Cosentino's "Inside Government" television show (March 30).
- Worked with the Town of Owasco on proposed ordinances to ban the use of fertilizer containing phosphorus on lawns and burning along the lakeshore.
- Presented to the Town of Niles Town Board, Planning Board, and public about OLWIP (June 21).
- Presented to IAGT's TWIST class about OLWIP. TWIST is for local school teachers to learn about GIS and how to integrate it into the classroom (June 29).
- Attended American Farmland Trust's Steering Committee meetings to discuss agricultural practices specifically within the Owasco Lake Watershed (June 29 and September 16).
- Presented at Owasco Lake Day on July 1, 2010 and manned OLWIP exhibit.
- Participated in CC SWCD's Conservation Field Days. Discussed with local 6th grade students the concept of a watershed and used the watershed model to demonstrate how pollutants effect the environment. (September 22)
- Received CPESC certification by passing national examination, which was administered on October 1, 2010.
- WAUB Interview on Erik Sorensen's morning radio show (November 22).
- Continued to work with the Lakefront Supervisors group on developing projects throughout the watershed to be carried out by the municipalities and how the funds would be divided amongst them.
- Worked with NRCS staff on their Local Working Group to identify criteria that is most important to consider for funding for agricultural practices in the watershed.
- Sent the Town of Fleming information about Appendix E from the "New York Standards and Specifications for Erosion and Sediment Control", which would incorporate erosion and sediment control practices into building permits, giving the town regulatory authority.

Other Watershed Concerns

- 1.) *April 12, 2010, Town of Niles*—OLWIP received a complaint about a pond on an adjacent property outletting across the homeowner's property and not being maintained. Property owner was concerned about damage if the pond were ever to breach. Spoke with ACOE about any regulatory authority, but ACOE does not regulate the dams of ponds. OLWIP suggested the property owner continue to work with his attorney to get adjacent property owner to fix and maintain the dam and outlet structure.
- 2.) *May 11, 2010, Town of Owasco*—Received complaint of refuse in a drainageway and stream which ran through the homeowner's property. After examining the type of trash and watershed of the two drainageways, it was determined that the trash was from Route 38A. Significant amounts of trash were found in the ditches along Route 38A above the property and near culverts which discharge into the tributary.
- 3.) *June 3, 2010, Town of Fleming*—Received complaint of blue dye reaching Owasco Lake from a stream. Dye was from a pond with a direct outlet into the stream. Although dye is harmless, OLWIP encouraged property owner to not place the dye in the stream because of the outlet. Instead, property owner purchased barley bales from CC SWCD for algae control in the pond.
- 4.) *June 15, 2010, Town of Genoa*—OLWIP was notified by concerned citizen of possible Giant Hogweed (*Heracleum mantegazzianum*) growing along a streambank. OLWIP investigated and found that it was not Giant Hogweed, but Angelica (*Angelica atropurpurea*) which is commonly mistaken for Giant Hogweed.
- 5.) *July 6, 2010, Town of Scipio*—Homeowners concerned about washout during a thunderstorm of some of their hillside and driveway. Thought it was being influenced by property upslope or change in the drainage from the re-paving of Route 38 that took place during the summer of 2010. Walked drainage area, but washout was not caused by any change uphill. Storm was very intense and caused similar washouts on the firelane.
- 6.) *July 22, 2010, Town of Fleming*—OLWIP was contacted by property owner on Veness Brook concerned about streambank erosion and flooding on property. Area of flooding concern is located within the 100 year floodplain. Looked at the banks and documented. Explained to property owner that if funding became available to prevent further erosion, OLWIP and/or CC SWCD would contact him.
- 7.) *July 22, 2010, Town of Fleming*—Town of Fleming requested OLWIP to comment on a proposed pond to be placed on private property near Veness Brook. Five recommendations were given and included sediment and erosion control practices, spoils, and proper permitting through State and Federal agencies.
- 8.) *August 4, 2010, Town of Owasco*—OLWIP was contacted regarding excessive aquatic vegetation accumulating and rotting along the shoreline. Investigated the situation and discussed options for cleaning off the shoreline with the property owner.

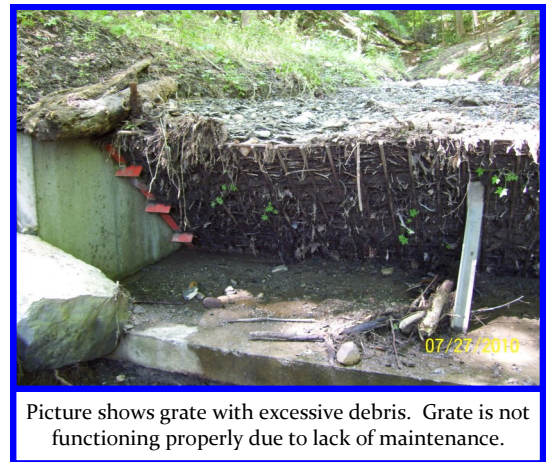


Picture shows accumulation of rotting aquatic vegetation along the lakeshore in the Town of Owasco. Residents were concerned with the odor, why the vegetation was there, and how to prevent it in the future.

- 9.) *August 12, 2010, Town of Venice*—Lakefront property owner contacted OLWIP because they were concerned about shoreline erosion. OLWIP met with the property owner at the site and gave some ideas, permitting information, and CC SWCD contractor list. Property owner is in the process of contacting contractors to get quotes, then will be applying for a permit.
- 10.) *August 18, 2010, Town of Fleming*—Property owner contacted OLWIP, concerned about organic matter that had built-up along his seawall. He thought that it may have been caused by a sewer issue. There was no sewer issue. Material was rotting aquatic vegetation that had accumulated along the shore after storm.
- 11.) *August 18, 2010, Town of Owasco*—Worked with CC SWCD and Cayuga County Highway Department to have approximately 2.4 miles of roadside ditches hydroseeded. Hydroseeding was completed by CC SWCD in mid-September.
- 12.) *August 23, 2010, Town of Owasco*—Property owner contacted OLWIP with concern about streambank erosion at their property on Dutch Hollow Brook. OLWIP and CC SWCD reviewed previous rip rap work that had been installed at the site. Final determination was that rip rap was properly installed and functioning. Also, there was sufficient vegetation growing above the rip rap to properly stabilize the slope.
- 13.) *September 29, 2010, Town of Moravia*—Worked with CC SWCD and Town of Moravia to have hydroseeding completed on open ditches. Ditches were hydroseeded by CC SWCD on November 9.
- 14.) *October 14, 2010, Town of Niles*—Homeowner concerned about eroding streambank at property. OLWIP provided suggestions for dealing with situation.

Updates for 2009

- 1.) *July 31, 2009, Town of Scipio*—Trash grate was installed in the past by CC SWCD. Homeowners Association asked for monetary assistance in having grate maintained. Grate is the responsibility of the property owners to have maintained. Association claims that they have been cleaning grate yearly. Grate has not been cleaned out since last viewed on 7/31/2010. Continue to encourage Association to clean out grate to avoid failure of practice or grate not functioning properly (sediment and debris have reached the top of the grate at this time and all further debris washes over the top when there is high flow of the stream).



Picture shows grate with excessive debris. Grate is not functioning properly due to lack of maintenance.

- 2.) *August 13, 2009, Town of Fleming*—OLWIP continued to work on drainage issue. OLWIP outreached to neighbor to work to solve the issue, but did not received a response. Issue has been left with concerned citizen because issue is not a water quality concern, but an aesthetic issue.
- 3.) *October 20, 2009, Town of Owasco*—Cayuga County Highway Department removed beaver dam near roadway and spread spoils along the streambanks. CC SWCD had area hydroseeded fall of 2009. Seeding took in the spring and has stabilized the site.
- 4.) *November 2, 2009, Town of Locke*—Investigated excessive dumping of garbage on vacant property. Town of Locke and Cayuga County Solid Waste Management working on opportunities to restore the site.



Owasco Lake Watershed Inspection Program

Jessica Reinhart, Owasco Lake Watershed Inspector

Natural Resource Center
7413 County House Road
Auburn, NY 13021

www.owasoclake.org