

Stormwater Management Plan 2014 Annual Report

City of Milford
Milford, Connecticut

December 2014



146 Hartford Road
Manchester, Connecticut 06040

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Appendices

- A Public Education Materials
- B Public Participation Materials
- C Pollution Prevention Materials
- D Stormwater Monitoring Results

End of Report



1 Introduction

On December 8, 1999, the U.S. Environmental Protection Agency (USEPA) promulgated Phase II of its National Pollution Discharge Elimination System (NPDES) stormwater regulations. Phase I of the USEPA stormwater program established regulations for stormwater discharges from municipal separate storm sewer systems (MS4s) in municipalities with populations of 100,000 or greater, construction activities disturbing five or more acres of land, and ten categories of industrial facilities. The Phase II Final Rule expands the Phase I program by requiring smaller communities with MS4s in urbanized areas to implement programs and practices to control polluted stormwater runoff through the use of NPDES permits.

The City of Milford is one of approximately 130 municipalities in Connecticut that are located either completely or partially within an urbanized area. These communities were mandated to seek permit coverage with the Connecticut Department of Energy and Environmental Protection's (CT DEEP) Phase II Stormwater Program. CT DEEP issued the final *General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems* on January 9, 2004. The permit was reissued a second time on January 9, 2013 without changes and is set to expire on January 8, 2015.

Compliance with the MS4 permit was a two-part process. The first part (Part A – General Permit Registration) was the submission of a registration form including primarily administrative information and basic mapping. The CT DEEP issued the City of Milford a General Permit for Stormwater – Small Municipal Separate Storm Sewer Systems (#GSM000037) on April 13, 2004. The second part of the process is the submission of a Stormwater Management Plan (SWMP) which was received by the CT DEEP on July 8, 2004. The SWMP addresses how the City will comply with the six minimum control measures required by the NPDES permit. These six minimum measures include:

- Public Education and Outreach
- Public Participation/Involvement
- Illicit Discharge Detection and Elimination
- Construction Site Runoff Control
- Post-Construction Runoff Control
- Good Housekeeping/Pollution Prevention

As required by the General Permit, this Annual Report for the 2014 calendar year (year 11 of the permit) outlines the City's compliance with the general permit, provides an assessment of the appropriateness of the identified best management practices and the City's progress towards achieving the implementation of each minimum control measure, provides copies of monitoring data which may have been collected and analyzed, summarizes stormwater activities the City plans to undertake during the next reporting cycle, and outlines any changes in identified measurable goals, implementation dates, or other changes.

As stated above, the General Permit expired on January 8, 2009. Rather than issuing a new General Permit, CT DEEP reissued the existing general permit without modification. The reissued General Permit expired on January 8, 2011 but was reissued again without changes and expired on January 8, 2013. CT DEEP then extended the reissued General Permit's deadline to January 8, 2015. As such,

Milford will continue to implement its stormwater management program following the SWMP that was prepared in 2004 and the requirements of the reissued 2004 General Permit.

2 Public Education and Outreach

2.1 Education to the Public

The City of Milford continues to implement ongoing public education programs. The City in partnership with other governmental agencies, businesses, concerned citizens, and community organizations such as the Environmental Concerns Coalition (ECC), which is an ad hoc committee of the Mayor's office, and the Connecticut Surfrider chapter, has completed the following public education and outreach efforts:

- Brochures on stormwater and related environmental topics including:
 - “Freedom Lawn, Let Nature Do the Job.” To date, the ECC has distributed almost all of the 18,000 brochures printed through a combination of door-to-door efforts and availability at community events such as the Oyster Festivals. Brochures have been distributed door-to-door to most of the City.
 - A grant has been obtained by the ECC to revise and reprint the Freedom Lawn brochure.
 - “Something new is happening in your neighborhood.” Brochure developed and printed by CT DEEP pertaining to storm drain stenciling. The ECC has distributed over 14,300 copies (to date) of this brochure in combination with their ongoing storm drain stenciling project.
- Storm drain stenciling by the ECC. See *Section 3.3* for additional information.
- The ECC also sponsors an annual Freedom Lawn Contest for residents with organic lawns and/or gardens. The entries could include individual homes or entire streets participating in the initiative. The winner is announced and photos of the winner and other submissions are on display at the City Oyster Festival. ECC received a grant in a previous permit year to produce signs for the participating lawns, stating that the lawns are organically maintained.
- The Milford's Environmental Protection Initiative (MEPI) hosted an educational booth at the 2014 Oyster Festival.
- Education programs continue at the Audubon Center located in Milford including programs for Boys and Girls Scouts, after school programs, and adult education (see *Appendix A* for more information).
 - An intensive, field enriched workshop on horseshoe-crab ecology and the health of the Long Island Sound, called Green Eggs and Sand was held on June 13-14, 2014 at the Milford Audubon Coastal Center for local educators. The program was led by Project Limulus, nationally known for its research on shoreline environmental issues and the local sponsor was the Milford Environmental Protection Initiative. All participants received instructional materials for the appropriate age-groups to take back to their classrooms, as well as horseshoe crab tagging kits and egg hatching/larval feeding kits for use with their students in the field.

- The City of Milford continues to implement the Connecticut Department of Education (CTDOE) *Core Science Curriculum Framework*. This curriculum includes educational units discussing “Land and Water Interactions,” “Water Quality,” the shaping effects of water, how water moving across and through the earth carries with it the products of human activities, how humans can improve water quality, and the accumulation of mercury, phosphates and nitrates in river, lakes, and oceans and its effects on water quality.
- In 2014, Steve Johnson, the City’s Open Space and Natural Resource Agent, collaborated with Lisa Nori, Harborside Middle School Science teacher, on a summer science enrichment program, “What’s in the Water, What’s in the Woods? This 3 day workshop for middle school aged children included three hands-on topics:
 - A collection macro-invertebrate collection for the Wepawaug River and discussions around the importance of watershed stewardship.
 - A nature forest and river walk to explore the riparian habitat.
 - Compass and orienteering project.
- As part of Connecticut Trail Day, Steve Johnson, the City’s Open Space and Natural Resource Agent, helped to organize two City sponsored walks at the Mondo Ponds Nature Preserve and the Solomon parcel. Both were led by volunteers (Joe Bogden and Bill Poultray).
- In 2014, the City’s Open Space and Natural Resource Agent conducted a presentation to the Milford Live Oaks Elementary School, entitled “How to Help the Earth”.
- A workshop on compost and organic gardening was held in 2014 at the Community Gardens at Eisenhower Park by the City’s Gardening Club.
- The City’s Stormwater Management Plan has been available for review in the City’s Mayor’s Office, Engineering Division, and on the City’s website throughout 2014.
- The City’s webpage includes links to the Connecticut Department of Energy and Environmental Protection, Milford ECC, Tree Commission, Conservation Commission, Flood and Erosion Control Board, Inland Wetlands Agency, and Plan of Conservation and Development mapping (e.g., existing open space, model habitat viewing trail, natural resource features, and open space corridors).
- The City hosted numerous Earth Day events in May 2014 (see *Appendix B* for more information). These activities drew Milford residents outdoors to raise awareness of the local environment and environmental issues.
- An EcoFest was hosted by the Milford Rotary following the Earth Day 2014 event. The family-friendly event featured educational presentations and booths (including the Milford Conservation Commission who provided information on invasive plants and sold native plants for people to plant at their homes) (see *Appendix B* for more information).
- The Connecticut Surfrider Chapter has received a grant from Patagonia to implement a local Rise Above Plastics (RAP) program where signs were placed in local stores with sayings such as “Plankton no Plastic: Use Reusable Bags,” “Ocean Friendly Shopping: Use Reusable Bags,” “We Support a Plastic Bag Free Connecticut,” and “Protect Long Island Sound and CT Marine Life: Don’t Forget Your Reusable Bag.” The group also asked CT citizens to take the Rise

Above Plastics Pledge and handed out reusable bags at group events and clean ups (see previous reports for more information).

- Various newspaper articles were published in the Milford Mirror in 2014 that contained environmental information or announced environmental events including a Letter to Editor stressing that leaves should not be raked into storm drains, land conservation, and the Charles Island habitat restoration project (multi-phase project) (see *Appendix A* for copies of the articles).

2.2 Education Materials Distributed

The brochures and newsletters outlined in *Section 2.1* have been distributed to citizens in Milford. The City's webpage also contains additional information regarding a variety of environmental items such as the City's recycling program, household hazardous waste collection, and links to CT DEEP and other local environmental groups.

In 2014, the Southwest Soil & Water Conservation District started distributing a brochure about rain gardens to go along with the ongoing Stormwater Pretreatment and Raw Water Renovation Project which encompasses several sites along the Wepawaug River, south of Route 1 including the bank of the City Hall duck pond and sites near the Milford Public Library (see *Appendix A* for a SWCD newsletter and newspaper article on the project).

As described in *Section 3.3*, in 2014, the local Girl Scout Troop created and disseminated two brochures. The first described their project to remove invasive species from Wilcox Park and, in general, the problem with invasive species in Milford's woodlands and wetlands. The second brochure described their project to create a colonial flower garden at the Eells-Stow house at the Milford Historical Society.

2.3 Workshops/Meetings Attended

Although not specifically a meeting/event for stormwater awareness, the ECC, Connecticut Surfrider Chapter, and other City groups distributed educational information at community events.

The Milford Stormwater Committee, including staff members from the Engineering, Inland Wetlands, and Public Works Departments held a meeting on October 27, 2014 to discuss the 2014 annual reports and plans for 2015 activities.

2.4 Miscellaneous

In addition to these efforts, the Mayor's Office supported the ECC in direct funding and in-kind services.

2.5 Plan Modifications

No modifications to the public education component of the Stormwater Management Plan are under consideration at this time.

2.6 Activities Planned for 2015

The CT DEEP MS4 General Permit was reissued (without modification) on January 12, 2009 and January 9, 2011 and expired on January 8, 2013. CT DEEP then extended the reissued General Permit's deadline to January 8, 2015. The City will continue to implement the SWMP according to the requirements of the current general permit. Milford will implement requirements of the new permit, including modifications to this SWMP as necessary, when it is issued. Activities planned for 2015 include:

- The City will investigate options for purchasing catch basins with a notice regarding stormwater pollution prevention impressed in the casting.
- Continue to collaborate with the local newspaper in order to publish future environmental articles.
- The City will continue to integrate topics in the published Core Science Curriculum Framework, including those related to water quality, into its school curriculum.
- Continue to support community environmental groups, activities, and programs monetarily and in-kind services.
- The City will provide links to the Stormwater Management Plan, annual reports (upon completion), and other water quality related information on the City's website.
- In future years, the City will consider educating the public and City staff on the potential negative impacts of car wash water discharges on the aquatic environment and recommended methods and locations for washing cars both at home and during fundraisers to minimize potential water quality impacts (consistent with CT DEEP guidance).

3 Public Participation

3.1 Public Meetings Conducted

The Milford Conservation Commission Awards were held in conjunction with the Southwest Conservation Districts Annual Meeting and Award Ceremony. At this event, Chris Saley, Director of Public Works, and the larger Department of Public Works were honored for their work to install a rain garden at the Parsons Government Center.

In 2014, the Inland Wetlands Agency held 17 public meetings, 1 public hearing, and 5 agency site visits.

3.2 Notices Published

A public notice was published in the local newspaper inviting the public to review the 2014 annual report 30 days prior to submitting it to the CT DEEP (see *Appendix B* for a copy). The Mayor's Office and the Engineering Division received no public requests to review the 2014 annual reports or the SWMP during 2014.

3.3 Public Events

The following public participation activities were conducted in Milford in 2014:

- Community Clean-ups – Clean-ups were completed at various locations throughout the City, including the beaches and parks. The DPW has provided bags, gloves, trash pick-up and disposal for many of these activities. Clean-ups were performed by groups of Boy Scouts, Cub Scouts, Girl Scouts, the Connecticut Surfrider Chapter, and other local groups at beaches and parks in the city.

Earth Day 2014 (May 17th) activities included cutting non-native invasive plants that are damaging the native woodland community. Volunteers also built habitat brush piles, planted native plants and flowers, perform trail maintenance, and litter removal. Volunteers learned why these non-native invaders are the biggest threat to the conservation of open spaces today. Working in teams, people of all ages lend a hand to improve five areas within Wilcox Park. Additionally some groups worked at the Solomon Property to remove invasive plants and trash. Approximately 75 volunteers (including the local Boy and Girl Scouts, young Cub and Brownies groups) helped for 4.5hrs. The City lent the group rakes, shovels, and traffic cones, as well as provided gloves and garbage bags for the event and paid for the disposal of the litter collected. (see *Appendix B* for more information)

The Earth Day event was followed by an EcoFest hosted by the Milford Rotary featuring educational presentations and booths (including the Milford Conservation Commission) (see *Appendix B* for more information).

A Housatonic River Clean-Up, Milford's Caswell Cove, was held on April 26th. At this event the City's Open Space & Natural Resource Agent led 5 volunteers (28 hours total time) to fill a 20 yard dumpster provided by the Department of Public Works.

On May 29th, Ann Taylor's Green Team provided 30 volunteers for 4 hours of Earth Day / Day of Caring additional service activities continuing the habitat restoration and invasive plant removal at Wilcox Park.

The Connecticut Surfrider Chapter completed a beach clean-up at Walnut Beach associated with their Annual Surfing Day on June 21, 2014 (see *Appendix B* for more information).

Mackenzie's Fifth Annual Walnut Beach Clean-up was held on May 3, 2014 (see *Appendix B* for a flyer).

Walnut Beach Enhancement Committee completed two habitat restoration projects in October 2014 (Naugatuck Ave. restoration of a beach dune area and Viscount Drive, corner "Berm" area, approximately 0.5 acres and a small beach dune area adjacent to the Silver Sands, Walnut Beach Boardwalk). Both permitted projects are to remove invasive vegetation and replant with native plantings suitable for the coastal zone.

In 2014, the Milford Girl Scout Troop 38305, with the assistance from the City's Inland Wetland Department, the Director of Open Space, Department of Public Works, as well as the Milford Historical Society, completed two projects to obtain their Silver Award, the second highest award in Girl Scouting. The first project involved removing invasive species such as mugwort, oriental bittersweet and Japanese knotweed from Wilcox Park (0.1 acre, 10 yd³ of

plant material). The area was then planted with native plants that provide food for wildlife and birds.

The improved habitat is part of a “Fly by” for migratory birds. The community was educated about this project with a brochure that the girls created to describe the problem with invasive species in Milford’s woodlands and wetlands.

The second project involved the creation of a colonial flower garden at the Eells-Stow house at the Milford Historical Society. The plants included in the garden were growing in 1700 and had medicinal or culinary uses. The plants were labeled with their name and use during colonial times. The girls also created a brochure to explain the project as a celebration of the 375th anniversary of Milford’s founding. (see *Appendix B* for an article describing these projects)

There were three events held in Milford in 2014 associated with the annual Save the Sound Coastal Cleanup event (September 6th at Silver Sands Park, September 13th at Milford Point [lead by Boy Scout Troop 303], and October 18th at Anchor Beach) (see *Appendix B* for an article on the Coastal Cleanup).

In 2014, two local cross-country coaches cleared running trails in Eisenhower Park.

- Storm drain stenciling by the ECC and their volunteers – thus far, the ECC has stenciled most of the area east of Milford Harbor and south of Post Road, around the Harbor and Gulf Pond areas, and the shoreline from Devon to the Oyster River. According to ECC, storm drain stenciling has been completed in the majority of the community, although there are some areas that may need additional stencils.
- Two environmentally focused Eagle Scout projects were completed in 2014. One included the removal of invasive plants and the installation of a kiosk at Mondo Ponds Conservation Area. The second held on August 17th was at the Orange Avenue School and included trail maintenance and plantings
- On October 27, 2014, Chris Saley, Director of Public Works, and the larger Department of Public Works received an award from the Southwest Soil & Water Conservation District and the Milford Conservation Commission in recognition of his conservation efforts.
- In 2014, Steve Johnson, the City’s Open Space & Natural Resource Agent, began a grant funded project to sample water along the Wepawaug River with testing by Earthplace.

3.4 Website

The City of Milford’s website currently includes links to other web pages, as well as to City documents (such as the Stormwater Management Plan and Annual Reports). The City’s webpage also currently includes links to the Connecticut Department of Energy and Environmental Protection, Milford Earth Day, ECC, Tree Commission, Conservation Commission, Flood and Erosion Control Board, Inland Wetlands Agency, and Plan of Conservation and Development mapping (e.g., existing open space, model habitat viewing trail, natural resource features, and open space corridors).

3.5 Watershed Study

The Inland Wetlands Agency is collaborating with the Southwest Conservation District on a study of the lower Wepawaug River Watershed. The MIS and Engineering Division have provided maps of catch basin locations and stormwater discharge points within the watershed. The sub-watersheds are being assessed to determine possible control strategies for preventing sediment from reaching the river. Also included in this project are an inventory, assessment, and evaluation of stormwater outfalls for potential retrofit opportunities to reduce non-point source pollutant loadings to the Wepawaug River and its tributaries. As part of this Watershed Study, the City is also investigating the feasibility of restoring three ponds along the Wepawaug River that have been adversely impacted by stormwater runoff. Fuss & O'Neill, the City's consultant, has conducted a feasibility study for dredging the three ponds. The City is actively working to obtain funding to implement the project. In 2014, the City applied for a Community Development Block Grant – Disaster Recovery (CDBG-DR) to dredge four ponds on the Wepawaug River within Milford.

In 2014, the Wepawaug River Watershed Alliance (WRWA) was awarded \$5,760.00 by the CT Department of Agriculture's Viability Grant. The project includes a Wepawaug River Watershed Survey and Water Sampling at 8 stations. Weekly (288) and winter (monthly) water samples will be tested for fecal and e.coli bacteria. Sampling began in October 2014 and will be completed by June of 2015.

The WRWA was also awarded \$3,000 grant for the purchase of a flourometer meter that will assist the WRWA in testing for the presence of optical brightener agents during the aforementioned water quality sampling project.

3.6 Plan Modifications

No modifications to the public education component of the Stormwater Management Plan are planned at this time.

3.7 Activities Planned for 2015

The CT DEEP MS4 General Permit was reissued (without modification) on January 12, 2009 and January 9, 2011 and expired on January 8, 2013. CT DEEP then extended the reissued General Permit's deadline to January 8, 2015. The City will continue to implement the SWMP according to the requirements of the current general permit. Milford will implement requirements of the new permit, including modifications to this SWMP as necessary, when it is issued. Activities planned for 2015 include:

- The City will continue to work with the partnership of governmental agencies, businesses, community programs (i.e., Alternative to Incarceration Program), concerned citizens, and community groups such as the ECC, Boy Scouts, and Connecticut Surfrider chapter to participate in their environmental efforts, as well as to sponsor and support clean-up projects and environmental events.
- The City will continue to provide links to the Stormwater Management Plan, annual reports (upon completion), and other water quality related information on the City's website. Other links could include ECC brochures.

- The ECC will work with additional individuals and organizations on the storm drain stenciling program to replace missing markers and install new markers.
- Continue to work with the Southwest Conservation District on the lower Wepawaug River Watershed study and implementation efforts.

4 Illicit Discharge Detection/Elimination

4.1 Illicit Discharge Investigation Activities

The City of Milford is implementing a formal process and procedures for logging and responding to public complaints, including those associated with illicit discharges. A complaint tracking and asset management system (CarteGraph) is available to City staff and is being maintained by the City's MIS department. It is currently being used by the following City departments:

- DPW
- Engineering Division
- Wastewater
- Inland Wetlands
- Department of Health

The City has incorporated mechanisms to include information received from the Milford Health Department and other government and citizen groups and agencies.

Illicit discharges will be documented by the DPW as they are detected and reported. The documentation (i.e., log, file, or other appropriate format) will include but is not limited to the following information:

- Location
- Type
- Date Identified
- Identified By
- Estimated Flow
- Scheduled for Repair/Action

The documentation is maintained on file in the DPW administrative offices located at 83 Ford Street, Milford, Connecticut. The information will be accessible to the public during normal business hours Monday through Friday. The Department's clerical staff will be responsible for accepting and recording public written or telephone complaints for potential illicit discharges. These complaints will be referred through the Department of Public Works to field personnel for proper assessment and correction (as necessary).

The DPW clerical staff will also receive and record illicit discharge detection information received from other City Departments including the Mayor's Office. Citizen may also submit a comment via the City webpage. These comments are read by MIS staff and directed to the appropriate department. In the

case of stormwater questions/concerns, the DPW would be notified. The questions posted are answered directly on the website so all web visitors have access to the information.

No illicit discharges were identified in 2014.

The Milford DPW actively works to prevent instances of depositing lawn care waste (leaves, grass clippings) in city storm drainage structures.

4.2 Illicit Discharge Removal Activities

Milford collects leaf litter in bags rather than from loose piles. The Department of Public Works actively works to prevent citizens from depositing leaves and other lawn litter in catch basins and storm drainage structures. The City has seen a change in behavior over the past few years and has observed a reduction in this type of activity.

Once an illicit discharge has been detected and documented, the Department of Public Works, in conjunction with the Milford Health Department or other governmental agencies, as appropriate, will take necessary actions to diagnose and eliminate the discharge as necessary. The actions taken to correct and/or eliminate the illicit discharges will then be documented in a log, file, or other appropriate format including the following information:

- Location
- Type
- Date Removed
- Removed By
- Cost

4.3 Storm Sewer Mapping

The City's Engineering Division and MIS Department has completed mapping the City's storm sewer system (~1,000 outfalls), including pipe size, type, description of flow, and photographs of the outfalls. An initial outfall map that meets the general permit requirements has been completed and submitted to CT DEEP on January 24, 2006. The outfall map is updated as new information becomes available and was reprinted in August 2010 for the City's 2008/2009 Annual Report. An example of the outfall data collected was included with the City's 2008/2009 Annual Report as was a copy of the latest Storm Sewer Outfall Locations map.

4.4 Stormwater and Sewer Connections

In 2014, the City approved 167 permits for private connections to the City's sanitary sewer system, and 26 permits for commercial connections to the sewer system. The connections to the stormwater system included connections to catch basins and drainage pipe.

Applicants who request a connection to the stormwater drainage system must sign an agreement with the City which states that only “clear and uncontaminated water” will be discharged to the City’s system. A copy of the agreement was included with a prior year’s annual report.

4.5 Plan Modifications

No modifications to the Illicit Discharge component of the Stormwater Management Plan are planned at this time.

4.6 Activities Planned for 2015

The CT DEEP MS4 General Permit was reissued (without modification) on January 12, 2009 and January 9, 2011 and expired on January 8, 2013. CT DEEP then extended the reissued General Permit’s deadline to January 8, 2015. The City will continue to implement the SWMP according to the requirements of the current general permit. Milford will implement requirements of the new permit, including modifications to this SWMP as necessary, when it is issued. Activities planned for 2015 include:

- The City will continue to work with the partnership of governmental agencies, businesses, concerned citizens and citizen groups such as the ECC to develop programs to detect and eliminate illicit discharges.
- The City will continue to implement a centralized complaint tracking and asset management system, including tracking complaints and response to potential illicit discharges.
- The City Code and associated land use and health regulations will be reviewed to ensure illicit detection and elimination requirements are being met, that the City has the ability to identify and remove illicit discharges, and for necessary changes to comply with the SWMP and the CT DEEP Phase II general permit. The City will also review potential model ordinances available from the CT DEEP and other Connecticut municipalities for potential applicability to Milford. The City will begin to implement changes as necessary to ensure consistency with the General Permit.

5 Construction Site Runoff Controls

5.1 Construction Plans Reviewed

The DPW, Engineering Division, and the Inland Wetlands Agency (when necessary) review construction plans for new construction, redevelopment projects, and/or alterations to assess compliance with the City’s Soil Erosion and Sediment Control Ordinance. The Engineering Division is responsible for the review of proposed subdivisions and commercial developments, Inland Wetland reviews proposed development projects and activities within jurisdictional wetland areas, and the DPW typically reviews site plans for single family houses. The Planning and Zoning Department relies on the engineering reports from the Engineering Division. Reviews are based on guidance contained in the *2004 Connecticut Stormwater Quality Manual* and *2002 Connecticut Guidelines for Erosion and Sediment Control*, as amended.

In 2014, the Inland Wetlands Agency received and reviewed approximately 64 applications. Of those applications, 6 applications had land disturbance of over one acre.

5.2 Construction Activities Commenced

In 2014, the Engineering Division issued and provided survey and inspection services for 718 street opening permits, 167 residential and 26 commercial sanitary sewer connection permits (most for repairs not new systems), and 132 curb-sideway-driveway approach-handicap ramp permits.

The Inland Wetland Agency monitored 37 sites during 2014. The Inland Wetlands Agency maintains a database of sites with wetland permits, including site size and size of disturbance.

5.3 Construction Site Inspection

Two (2) City inspectors are available to complete construction site inspections. Three (3) members of the Planning and Zoning Department can act as enforcement agents. Sites are inspected for conformance with the Soil Erosion and Sediment Control Ordinance and approved construction plans. The City requires that owners/developers of larger projects conduct their own construction site inspections with submission of reports to the Inland Wetlands Agency.

On-site inspections are made by the Engineering Division, DPW, and Planning and Zoning Department staff throughout the construction process (as frequent as daily for large projects). In addition, the Building Inspector typically performs hundreds of inspections each year.

Although the primary goal of these inspections is not to inspect for soil erosion and sediment issues, the inspector will note any observed erosion and sedimentation problems and notify either the Planning and Zoning Department or the Engineering Division.

Inspectors record field notes in log books. Important comments are included on the project permit for future signature, and any sketches made by inspectors are scanned and downloaded to the City's centralized asset management system. A laptop computer is available to the Engineering Division inspectors for in-the-field use. The Planning and Zoning Department and Inland Wetlands Agency also require as-built drawings, which are also scanned into the City's electronic system.

Enforcement actions were taken when necessary and all items/concerns were addressed by the site contractors or developers. The Inland Wetland Agency did not issue any violations in 2014.

The Engineering Division did not issue any stop-work orders in 2014 related to stormwater violations.

5.4 Employee Training

Members of the Inland Wetlands Agency continued to attend periodic training workshops, seminars, and courses in 2014. In 2013, 8 City employees and members of the MIWA attended the Connecticut Association of Conservation and Inland Wetland Commissioners (CACIWC) annual meeting.

A staff member also attended the Connecticut Association of Wetland Scientists (CAWS) annual meeting and training session. Additionally, the Wetland Agent attended two UConn Climate Adaption Academy workshops

The Department of Permitting and Land Use sponsored a Land Use Commissioner Training and Map reading in October 2014. It was attended by members of Milford's Inland Wetland Agency, Conservation Commission and Zoning Board of Appeals.

In 2014, Steve Johnson, the City's Open Space and Natural Resource Agent, attended four Water Quality Training Workshops, sponsored by the Earthplace Harbor Watch in Westport CT. Other trainings included: Insects as Environmental Barometers, Science Sunday, CT Forest & Parks; Winter Native Plant ID, ATON Forest; Vernal Pool Identification & Ecology, Aton Forest; River Bioassessment by Volunteers (RBV) Program, CT DEEP (also attended by two Milford WRWA volunteers); City of Milford – Grant Writing workshop; Nature's Invaders & Native Plant Workshop, SUNY Westchester Community College; Earthplace Harbor Watch and Norm Bloom & Sons field trip to Norwalk Harbor discussing LIS Watershed aquaculture, WQ testing, Oyster production and processing (also attended by Bill Poutray, Conservation Commission's, and Joyce Purcell, NRCS); Rivers Alliance annual conference, Leir Retreat Center; CLEAR Workshops, Land Use Legal Requirements & Reading Plans; NOAA Marine Fisheries Open House Day at Milford Harbor.

5.5 Plan Modifications

No modifications to the Construction Site Runoff component of the Stormwater Management Plan are planned at this time.

5.6 Activities Planned for 2015

The CT DEEP MS4 General Permit was reissued (without modification) on January 12, 2009 and January 9, 2011 and expired on January 8, 2013. CT DEEP then extended the reissued General Permit's deadline to January 8, 2015. The City will continue to implement the SWMP according to the requirements of the current general permit. Milford will implement requirements of the new permit, including modifications to this SWMP as necessary, when it is issued. Activities planned for 2015 include:

- Continue inspections and enforcement of existing regulations. Review regulations to consider including provisions for controlling construction wastes such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary wastes at the construction site that may cause adverse impacts to water quality.
- Construction site inspection activity will be documented, including the following information:
 - Name
 - Site
 - Type
 - Date Reviewed
 - Date Commences
 - Date Inspected

- The City's regulations will be reviewed relative to soil erosion and sedimentation control requirements, and to ensure that construction projects resulting in land disturbance of greater than 1 acre will be tracked for compliance. The City's regulations will be reviewed for necessary changes to comply with the SWMP and the CT DEEP Phase II general permit. The City will also review potential model ordinances available from the CT DEEP and other Connecticut municipalities for potential applicability to Milford. The City will begin to implement changes as necessary to ensure consistency with the General Permit.

6 Post Construction Stormwater Management

6.1 Plan Review

The DPW, Engineering Division, and the Inland Wetlands Agency (when necessary) review construction plans for post-construction stormwater management considerations, as well as general water quality issues. Many of the reviews are based on guidance contained in the *2004 Connecticut Stormwater Quality Manual*, as amended. The City's land use agencies advocate a "treatment train" approach to maximize the effectiveness of structural and non-structural stormwater Best Management Practices (BMPs). Current Engineering Division design guidelines require that stormwater be retained on-site and that there is no increase in post-development runoff from the site relative to pre-development conditions.

6.2 Structures Installed

Various stormwater control structures were installed in 2014 including rain gardens and an infiltrating swale. When installed, operation and maintenance plans are submitted to the City as a construction site submittal. The Inland Wetlands Agency requires that a maintenance manual be maintained on-site for all stormwater management facilities installed at commercial sites. The City does not take ownership of facilities located on private property, and operation and maintenance is the responsibility of the owner unless an easement has been granted by the property owner to the City.

6.3 Structures Inspected

The City maintains two Vortechs stormwater treatment units at Fort Trumbull, which are inspected and cleaned (as needed) by DPW employees. The sediment loads to these units have apparently been reduced since construction activities at the site have been completed, and less frequent cleanings of the units are required.

The detention pond located on Alexander Street was cleaned out by Department of Public Works staff in 2014.

CT DEEP cleaned out outfalls within the State Park in 2014.

6.4 Retrofits

The City is currently implementing a catch basin retrofit effort as a CT DEEP Supplemental Environmental Project in conjunction with the Southwest Conservation District to replace a number of conventional catch basins in the downtown area with deep sump catch basins (hooded catch basins were originally proposed but funding for the project did not materialize so hoods were eliminated). The retrofit program was on hold in 2014.

In 2014, the Public Works Department with the assistance of the Southwest Soil & Water Conservation District and a grant from CT DEEP started a stormwater pretreatment and raw water renovation Project which encompasses several sites along the Wepawaug River, south of Route 1. The first project was a rain garden created at the Parsons Government building, from the front steps to the side entrance on West Main Street. DPW staff (approximately 20 staff members) dug swales, laid river stone and mulch, and planted native trees and perennials to make this site both aesthetically please and a functional at redirecting and infiltrating stormwater from the site instead of discharging it into the storm sewer system. Future sites will include the bank of the City Hall duck pond and near the Milford Public Library (see *Appendix A* for supporting SWCD newsletter article and newspaper article)

6.5 Plan Modifications

No modifications to the Post Construction component of the Stormwater Management Plan are planned at this time.

6.6 Activities Planned for 2015

The CT DEEP MS4 General Permit was reissued (without modification) on January 12, 2009 and January 9, 2011 and expired on January 8, 2013. CT DEEP then extended the reissued General Permit's deadline to January 8, 2015. The City will continue to implement the SWMP according to the requirements of the current general permit. Milford will implement requirements of the new permit, including modifications to this SWMP as necessary, when it is issued. Activities planned for 2015 include:

- The City of Milford will continue to develop procedures for addressing post construction BMPs for all residential and commercial projects. Construction site inspection activities will be documented including the following information:
 - Project,
 - Site,
 - Type Structure,
 - Date Installed,
 - Date Inspected.
- The City's regulations will be reviewed relative to post construction stormwater management requirements, and to ensure that construction projects resulting in land disturbance of greater than one acre will be tracked for compliance. The City's regulations will be reviewed for necessary changes to comply with the SWMP and the CT DEEP Phase II general permit. The City will also review potential model ordinances available from the CT DEEP and other

Connecticut municipalities for potential applicability to Milford. The City will begin to implement changes as necessary to ensure consistency with the General Permit.

7 Pollution Prevention/Good Housekeeping

7.1 Employee Training Conducted

As a result of implementing a Stormwater Pollution Prevention Plan (SWPPP) for the DPW Yard, the garage employees are equipped to address incidental oil or petroleum spills with on-site spill response resources.

A formal stormwater training session was held on October 2, 2013 for 42 staff members representing the departments of Highway, Wastewater, Garage, Building Maintenance, Parks, and Sanitation. The DPW provides on-the-job training throughout the year.

7.2 Street Sweeping

The City continues to strive to sweep all streets at a minimum frequency of once per year beginning in the spring to remove winter road sand and other debris. There is a large effort in the early spring to sweep all roads in the City. After the initial sweep the process is repeated for focus areas. The additional sweeping focuses on downtown and low-lying areas (high sediment accumulation). Milford's downtown area receives weekly sweeping during the spring, summer, and fall months. In 2014, the City rented an additional sweeper for additional removal of material from roadways and parking lots.

During 2014, the majority of roads within the City were swept at least once per year (970 roadways total in City).

In 2005, the DPW purchased a "Green Vac," a small vacuum machine to sweep side walk areas. The machine also has a vacuum hose that is used to collect litter and sediment from off-road locations. This sweeper is used weekly where needed, including downtown and in low-lying areas. Street sweepings were stored separately from catch basin cleanings.

7.3 Snow Removal

The City has a municipal salt/sand dome for the proper storage of materials. The City continues to use environmentally responsible sand/salt application practices. City of Milford applied a 7 to 1 ratio, sand and salt mix during the winter of 2013-2014.

7.4 Catch Basin Cleaning

There are approximately 7,500 catch basins in the City of Milford. In 2014, the City continued to inspect and clean municipal catch basins (if necessary) and to use the catch basin spoils disposal area. Approximately 1,000 of the City's catch basins were inspected in 2014.

The wastewater created during the cleaning process is filtered through a stone filter and then disposed of in a catch basin connected to the municipal sanitary sewer system. The catch basin cleaning effort

primarily occurs between March and October, resulting in the collection of winter debris and fall leaf litter. Catch basins are also inspected by DPW staff while being cleaned. Any required repairs are reported to supervisors, and corrective measures are typically taken within several days.

7.5 Construction Activities

In most cases, contractors are hired to complete larger construction projects for the City, such as the pump station and treatment plant upgrades. The Highway Department may occasionally conduct small construction and maintenance projects that require soil erosion and sediment controls (i.e., hay bales, filter fabric sediment bags in catch basins). The City may complete a small number of projects which are typically very short in duration. Generally, subsurface work on these projects is completed within 2-3 hours of ground breaking. Appropriate controls are installed and maintained throughout the duration of these projects, as necessary. The *2002 Connecticut Guidelines for Soil Erosion and Sediment Control* are used as a guide by City staff.

7.6 System Upgrades/Repairs

There were no significant system upgrades or repairs in 2014 although catch basins are frequently rebuilt or repaired by the City as needed.

CT DEEP cleaned out outfalls within the State Park in 2014.

7.7 Complaint Response

Complaints to the City regarding the general housekeeping of municipal facilities are directed to the appropriate department for investigation and response. The DPW tracks and responds to public complaints using the City's centralized complaint tracking and asset management system. Requests from the public are typically received in the early spring for prompt sweeping of winter road sand and cleaning of catch basins. City staff spent over 25 hours per week in 2014 responding to nuisance flooding and other catch basin-related complaints, as well as addressing known problem areas.

7.8 Spill Response Activities

Significant spills of oil and hazardous material (> 5 gallons) are handled by the Milford Fire Department. The CT DEEP is notified of these situations as they happen. The Fire Department is prepared to respond to hazardous spills within the City. City staff (excluding fire fighters) did not participate in any significant spill response activities during 2014.

The Highway Department facility maintains spill response supplies including speedy-dry, absorbent pads, and containment booms.

7.9 Municipal Litter Removal

In 2014, DPW staff continued to remove trash and other debris as needed for areas within Milford.

7.10 Transfer Station

Managerial oversight of the City's Transfer Station (Oronoque Road) falls under the jurisdiction of the DPW's Solid Waste Division. The Solid Waste Division is responsible for the collection of garbage, recyclables, and bulky waste from residences and for removal of garbage from public buildings and schools. Freon is removed from bulky waste items by a certified service contractor prior to disposal.

In 2014, the Solid Waste Division continued to collect garbage, cardboard and residential recyclables. The Bulky Waste Collection Program continued to collect tires, bulk metal, and leaves (see announcement in *Appendix C*). Residents also continued to bring waste oil and antifreeze to the Transfer Station for disposal. In 2014, the City of Milford Transfer Station continued to accept residents' electronics for recycling.

7.11 Household Hazardous Waste Collection

Milford residents are directed to bring hazardous wastes to the Regional Water Authority HazWaste Central in New Haven for free disposal. A wide range of materials are accepted including cleaners, batteries, fertilizers, and pesticides. HazWaste Central also sponsors Hometown Days when volunteers from various communities donate their time in support of environmental protection. In 2014, Milford households continued to bring hazardous wastes and/or waste oil to HazWaste Central and the local collection event on September 13, 2014 for proper disposal (see *Appendix C* for announcement).

7.12 Prescription Drug Collection

Prescription drugs are also a threat to area watersheds, waterbodies, and ecosystems. The Milford Police Department hosted two drop off events to collect unused and expired medications for safe disposal (one in April and one in September) (see *Appendix C* for an announcement).

7.13 Municipal Facility Inspection

The City performs routine inspections of its facilities to maintain them in a neat and orderly condition. The DPW performs weekly inspections and cleaning of their facilities. The DPW Director and various foremen conduct weekly inspections. At the DPW Garage facility, the foreman completes a checklist that addresses waste management areas, secondary containment, the oil/water separator, and waste streams. Inspection records are maintained by the foreman as part of the SWPPP/SPCC implementation program.

7.14 Habitat Restoration

In 2013, CT DEEP also continued a habitat restoration project along the tributaries of the Housatonic River including Beaver Brook and Turkey Hill Brook (a 3-year project).

The City continues to try to control the geese population at City-owned park areas. Geese eggs were oiled in 2014.

In 2014, DPW staff spent approximately 6 days cleaning out trails at Eisenhower Park.

In 2014, the City of Milford was awarded two grants for the rebuilding of the Beaver Brook Boardwalk that was destroyed in the April 2012 Phragmites marsh fire (State of CT – STEAP Grant, \$500,000.00 and Community Development Block Grant, \$45,000.00 for ADA Design and Construction related expenses)

The City was notified in 2014 by the USDA's Natural Resources Conservation Service (NRCS) that the City has been tentatively selected for the second round NRCS Emergency Watershed Protection / Floodplain Acquisition Program (EWP/FPE). There are 50 properties in the tentative selection list that represent 39.52 acres of tidal wetlands to be restored and permanently protected through conservation easements.

Connecticut's Department of Energy and Environmental Protection (DEEP) announced that it will begin the next phase of a habitat restoration project on Charles Island, Milford on September 2, 2014. DEEP is collaborating with Audubon Connecticut, the Connecticut Audubon Society, and the Connecticut Agricultural Experiment Station on a science-based, multi-step approach to restore critical habitat on Charles Island essential to the long-term success of one of Connecticut's largest heron and egret rookeries, or nesting areas.

Walnut Beach Enhancement Committee completed two habitat restoration projects in October 2014 (Naugatuck Ave. restoration of a beach dune area and Viscount Drive, corner "Berm" area, approximately 0.5 acres and a small beach dune area adjacent to the Silver Sands, Walnut Beach Boardwalk). Both permitted projects are to remove invasive vegetation and replant with native plantings suitable for the coastal zone.

7.15 Plan Modifications

No modifications to the Pollution Prevention/Good Housekeeping component of the Stormwater Management Plan are planned at this time.

7.16 Activities Planned for 2015

The CT DEEP MS4 General Permit was reissued (without modification) on January 12, 2009 and January 9, 2011 and expired on January 8, 2013. CT DEEP then extended the reissued General Permit's deadline to January 8, 2015. The City will continue to implement the SWMP according to the requirements of the current general permit. Milford will implement requirements of the new permit, including modifications to this SWMP as necessary, when it is issued. Activities planned for 2015 include:

- DPW will continue to document municipal facility maintenance activities using the City's asset management system.
- The IWA will begin working with the Fire Department to develop a means for properly managing wash water from its vehicles.

- The Highway Department will continue to maintain a list of complaints that it receives regarding road and highway maintenance concerns. This list will be maintained using the City's CarteGraph asset management system.
- The DPW, including the Wastewater Division, will continue to conduct stormwater awareness training for appropriate City staff.
- The City Engineering Division and MIS Department will continue to assist in mapping the remaining un-mapped or unidentified stormwater outfalls and all other components of stormwater drainage system (stormwater detention and treatment facilities).
- Continue the stormwater sampling program at the DPW garage as required by the CT DEEP Industrial Stormwater General Permit. Follow up on any issues identified as a result of stormwater sampling.
- Continue to implement SWPPPs for the two (2) City wastewater treatment facilities and DPW garage facility under the Industrial Stormwater General Permit.
- Work with CT DEEP to renew the Milford Transfer Station Underground Injection Control (UIC) permit and implement ongoing and revised inspection and monitoring requirements. Implement any necessary facility upgrades to maintain compliance with the permit.
- Provide pollution prevention and good housekeeping training to Public Works employees.

8 Annual Stormwater Monitoring

The CT DEEP Phase II General Permit requires annual stormwater monitoring of at least two municipal stormwater outfalls from each of three land uses (industrial, commercial, and residential) for a total of six (6) outfall locations. Monitoring parameters, procedures, and storm event criteria are described in the General Permit.

The City has selected sampling outfalls based on the land use(s) within the drainage areas of the outfalls as well as practical considerations including accessibility and proximity to other sampling locations. A field sampling plan describing the sampling objectives, outfall locations, sampling parameters, and monitoring procedures for the annual monitoring program was included with a prior year's annual report. The City's stormwater monitoring results for 2014 are included in *Appendix D*.

Appendix A

Public Education Materials

Milford's Charles Island set for habitat restoration

Posted on August 29, 2014 | By [Bill Cummings](#)

MILFORD – The state Department of Energy and Environmental Protection is set to begin the next phase of habitat restoration on Charles Island.

DEEP on Tuesday will begin clearing downed woody debris and diseased trees, as well as controlling non-native, invasive plants. Later this fall, and again during the 2015 growing season, DEEP staff will plant a variety of native trees and shrubs selected for their salt tolerance, general growth characteristics, and fungal resistance.

During the restoration project, which will last for a few weeks, public access is prohibited on Charles Island.

“Management efforts at Charles Island are aimed at preventing the loss of nesting habitat used by great and snowy egrets, both state threatened species, and many other state-listed birds, such as the glossy ibis,” said Rick Jacobson, Director of DEEP’s Wildlife Division.

“The rookery has sustained significant damage from hurricanes Irene and Sandy, coupled with increasing numbers of invasive plants and a soil fungus. Without intensive restoration efforts, this critical nesting area will be lost,” Jacobson said.

Charles Island, a 14-acre wooded island off the coast of Milford near Silver Sands State Park, was designated by DEEP as a Natural Area Preserve in 1999 and a Long Island Sound Stewardship Site in 2006 due to its significant wildlife and coastal resources. It also has been designated an Important Bird Area by Audubon Connecticut.

DEEP is collaborating with Audubon Connecticut, the Connecticut Audubon Society, and the Connecticut Agricultural Experiment Station on a science-based, multi-step approach to restore critical habitat on Charles Island essential to the long-term success of one of Connecticut’s largest heron and egret rookeries, or nesting areas.

Trees on the island are used by herons and egrets for nesting and raising young. However, many of these trees are being smothered by oriental bittersweet and other non-native, invasive plants that grow aggressively and out-compete native plants, resulting in the direct death of nest trees and preventing regeneration of future nesting trees and shrubs.

The problem is further compounded by the presence of a soil fungus that attacks tree roots, coupled with strong winter storm—and hurricane—winds, resulting in the blow-down of most of the trees needed by these long-legged wading birds to raise their young. Taken together, these issues are having a devastating effect on the perpetuation of the rookery, and some species, such as the snowy egret, have begun to disappear from the island.

“Charles Island is a particularly sensitive and important ecological area that serves as one of the few remaining breeding colonies of herons and egrets in Connecticut,” said Milan Bull, Senior Director of Science and Conservation for the Connecticut Audubon Society.

“The Connecticut Audubon Society supports DEEP’s efforts to restore this critical rookery with the goal of preventing the birds from abandoning the island where they have nested for decades,” Bull said.

Funding for the Charles Island habitat restoration project is being provided by Connecticut’s Endangered Species/Wildlife Income Tax Check-Off Fund. Connecticut residents support this Fund by voluntarily donating a portion of their tax refund to help Connecticut’s endangered species, natural area preserves, and watchable wildlife. Some project materials are being provided as a supplemental environmental project resulting from an enforcement action taken by DEEP in 2010.

<http://blog.ctnews.com/connecticutpostings/2014/08/29/milfords-charles-island-set-for-habitat-restoration/>

Access to Charles Island Will Be Prohibited Beginning Tuesday

Plans underway for habit restoration on Charles Island.

By [Brian McCready \(Patch Staff\)](#) Updated August 29, 2014 at 9:35 am [4](#)



Connecticut's Department of Energy and Environmental Protection (DEEP) today announced it will begin the next phase of a habitat restoration project on Charles Island, Milford on September 2, 2014.

Restoration efforts will involve clearing of downed woody debris and diseased trees, as well as the control of non-native, invasive plants. Later this fall and again during the 2015 growing season, DEEP staff will plant a variety of native trees and shrubs selected for their salt tolerance, general growth characteristics, and fungal resistance.

During the restoration project, which will last for a few weeks, public access is prohibited on Charles Island.

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“Management efforts at Charles Island are aimed at preventing the loss of nesting habitat used by great and snowy egrets, both state threatened species, and many other state-listed birds, such as the glossy ibis,” said Rick Jacobson, Director of the DEEP Wildlife Division. “The rookery has sustained significant damage from hurricanes Irene and Sandy, coupled with increasing numbers of invasive plants and a soil fungus. Without intensive restoration efforts, this critical nesting area will be lost.”

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<http://patch.com/connecticut/milford/access-charles-island-will-be-prohibited-beginning-tuesday>

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City 'rain garden' designed to clean water before reaching the river

By [Jill Dion](#) on September 26, 2014 in [Features](#) · [0 Comments](#)



Members of the Public Works Department line up at the new rain garden in front of the Parsons Complex for a quick photo.

About author



[Jill Dion](#)

About 20 public works employees, surrounded by backhoes and other heavy equipment, had their hands in the soil at the Parsons Complex last week, creating a sizable "rain garden," which is designed to clean water runoff and lessen the amount of pollutants that end up in the Wepawaug River.

The sprawling garden of rock, shrubs, trees and perennials stretches from the front steps of the Parsons Complex around to a side entrance, creating not just a functional filter for water runoff, but an aesthetically pleasing bit of landscaping at the city offices.

Steve Johnson, the city's open space manager, explained that the money — about \$110,000 — for the huge garden came from the Department of Energy and Environmental Protection, through the Southwest Conservation District.

The Southwest Conservation District is a non-profit conservation agency established in 1946. It works with other public and private agencies to protect land and water resources in the Fairfield and New Haven County area.

The District had been working with Milford officials on a smaller project when the DEEP clean water funds became available, increasing the scope of the

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work, Johnson explained.

The state money came with a stipulation that the city match some of the funds, but that matching could be done with labor instead of money. That's where the public works department came in.

"There are two crews out here now," Tom Hunt, highway and parks department foreman, said this past Wednesday. "About 20 men."

Hunt said the department started excavating the site last week, and hopes to finish the job by this weekend. Laying down mulch will be one of the last steps.

A rain garden?

"A rain garden is a shallow depression that is planted with deep-rooted native plants and grasses," according to raingardennetwork.com. "The garden should be positioned near a runoff source like a downspout, driveway or sump pump to capture rainwater runoff and stop the water from reaching the sewer system."

Milford's new rain garden is basically that, designed to catch the water that comes from the Parsons Complex roof and the many impervious surfaces, like the parking lots and sidewalks around the building, and filter it before it runs into the road or into the nearby duck pond, and into the Wepawaug River.

The garden is designed to clean the water and to lessen the amount of water that flows from the site.

Oliver Gaffney of Site Systems in Trumbull, a landscape design and construction company, said the rain garden includes five to six dozen trees and shrubs, 500 to 600 perennials, all native to the area and designed to thrive in wet and dry conditions.

There's about 30 tons of River Jack stone, which Hunt said will look even more stunning when rainwater has cleaned off the dust that covered it this week, leaving the subtle colors of the stone to show through.

Roman Mrozinski, executive director of the Southwest Conservation District, said the garden serves a number of purposes; from cleaning the water to providing a habitat for wildlife, and it will serve as an example for developers looking to create designs to that result in minimal impact on the environment.

Just a start

The Parsons Complex rain garden is just one component of the project aimed at lessening the impact on Milford's waterways, and ultimately the region's waterways.

When the garden is complete, the project will move across the street to the City Hall duck pond, where there will be a buffer strip containing some of the same types of plants at Parsons rain garden. The efforts there will help, in part, to keep some of the duck and goose feces from finding its way into the water.

Catch basin improvements are also part of the plan to keep more pollutants from the waterways. And there may be additional planting behind the Milford Public Library, where there is a large amount of paved ground next to the city harbor.

The ultimate goal is to keep the region's waterways clean to promote fish life and recreation, and a healthier environment over all.

The Southwest Conservation District is involved in a number of projects in the region to improve water quality.

"It's a start," Mrozinski said.

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Hot Air asks: What protection?

By [Barbara Currier Bell](#) on January 16, 2014 in [Columns](#), [Lead News](#) · [0 Comments](#)

Land-use issues are sensitive in our crowded city. Recent controversial applications to the Planning and Zoning Board have shown that people here highly value parks, farm-fields, wetlands, conservation easements, city-owned open space, and whatever other landscapes in Milford are still natural.

Real-estate agents call them “amenities”; long-time residents call them “Milford’s character”; newcomers call them “a great environment for raising kids.”

Almost everyone says they favor protecting such landscapes, but when times get tough both private and public owners realize that land is the easiest natural resource to “monetize,” and...there goes the neighborhood.

Same for the state. This month, the state Council on Environmental Quality (CEQ) published a 10-page report entitled “Preserved But Maybe Not: The Impermanence of State Conservation Lands.”

It begins: “When Connecticut residents visit a beautiful state park or wildlife area they often are contented by the knowledge that the land is set aside for forests, wildlife and all people for all time. Except usually it isn’t.”

Continuing, the report points out that the legislature and the Department of Energy and Environmental Protection (DEEP) actually have the power to exchange state lands, and have considered transferring hundreds of acres to private commercial interests or, occasionally, municipalities, in swaps for substitute land or money. Ever since 1990 DEEP has had a Land Exchange Policy that defines criteria for an acceptable exchange, but the policy hasn’t always been properly applied. As CEQ notes: 1) state lands proposed for exchange are typically described as worthless, in some way, rather than as having a specific value for conservation; and 2) information necessary to assess their worth for conservation typically isn’t made available until late in the decision-making process.

Not all the proposed exchanges are approved. Every time one is, however, public expectations are frustrated, and volunteer efforts to improve state lands decline. Worst of all, the increasing actual value of protected state lands for resilience to climate change, especially rising sea-levels, is lost and ignored.

CEQ recommends an action plan as follows. 1. The legislature should standardize a procedure for considering the exchange of state conservation lands that is transparent and incorporates necessary information as early as possible. 2. DEEP should have at least data sheets readily available for all its protected properties describing each one's natural resources and conservation purposes — especially original deeded restrictions on the property — with certain types of property ranked high in conservation value by default.

3. The state map (developed 2000-2013) of all protected open space properties in Connecticut owned by DEEP, municipalities, land trusts, and other groups should be updated to include data on the level of protection granted to each property.

4. Certain enabling bills should be passed, one encouraging every municipality to demonstrate the same concern for its own protected open space as the state should have for theirs. Even without the passage of this last bill, though, "Preserved But Maybe Not" should be required reading for any Milford land-use official or board member.



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Keep leaves and pollutants out of storm drains

By [Ann Berman, Freedom Lawn chairman](#) on November 4, 2014 in [Letters](#) · [0 Comments](#)

About author



[Ann Berman, Freedom Lawn chairman](#)

To the Editor:

This is the time of year for raking the leaves and a reminder that they don't belong in the storm drains.

Actually nothing should go into the storm drains except rain. The leaves, for instance will clog the drains and can cause flooding. Especially harmful is motor oil, dog feces (coliform bacteria), fertilizers and pesticides. Another reminder, there is a law which is punishable for illegal dumping. There is a city ordinance for homeowners which requires that they keep the street gutters swept clean. That is the area along the road in front of your home. By doing this, you are being a good partner in protecting Long Island Sound, as whatever goes into those storm drains ends up in the Sound.

The good news is, if you leave the leaves on your lawn and go over them with a mulching lawnmower, it will not only fertilize the lawn, but help make it more resistant to drying out during droughts. It will in addition make for a more cushiony surface for walking and playing, but best of all, it will save you money and protect the Sound as you won't have to use high nitrogen fertilizers and pesticides which end up in the Sound.

The high nitrogen fertilizers cause algae blooms. When they die, their decomposition consumes oxygen from the waters in the Sound. The low levels of dissolved oxygen that result impairs the feeding, growth and reproduction of the Sound's aquatic life. It is believed that pesticides are one of the causes for the reduction of lobsters in the Sound.

The DEEP, Department of Environment, Energy Protection, is committed to helping prevent Non-point Source Pollution and improve the quality of the water in Long Island Sound.

Be a good steward and not only protect yourself, your family and children, but Long Island Sound, our most precious natural resource.

Ann Berman, Freedom Lawn chairman

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[Tune in to Hanradio.com tonight for election results](#)

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Educators can learn about horseshoe crabs

By [Mirror Milford](#) on May 2, 2014 in [Features](#), [Schools](#) · [0 Comments](#)

Local educators have a chance to learn about some fascinating creatures — horseshoe crabs.

An intensive, field-enriched workshop on horseshoe-crab ecology and the health of Long Island Sound, called Green Eggs and Sand, will be held Friday night through Saturday night, June 13-14, at Milford's Audubon Coastal Center.

The program will be presented by Project Limulus, nationally known for its research on shoreline environmental issues centered around *Limulus polyphemus*, the horseshoe crab, and its local sponsor will be the Milford Environmental Protection Initiative (MEPI).

Registration is limited to about 20. The deadline for registration is May 1 — first-come, first-served. A MEPI grant will enable environmental educators from Milford to attend free.

Information about Project Limulus, which is run by faculty in the biology department at Sacred Heart University, can be found at sacredheart.edu (type Project Limulus into the search box); or at sacredheart.edu/academics/collegeofartssciences/academicdepartments/biology/projectlimulus/.

A registration form can be found at sacredheart.edu/media/sacredheart/biology/ESM_Project_Limulus-3.6.14.pdf.

The co-director of Project Limulus, and contact for the workshop, is Professor Jennifer Mattei, 203-365-7577, e-mail matteij@sacredheart.edu.

The two co-directors of the Project Limulus team have over 30 years of experience in environmental research and education, having taught more than 50 undergraduate research assistants, 2,000 elementary and secondary school students, and 200 teachers, plus a volunteer network of well over 500 concerned citizens who conduct tagging and spawning surveys.

The Green Eggs and Sand workshop has been refined and expanded over several years, with technical assistance from a Delaware-based horseshoe-crab project working around the Chesapeake Bay, and funding from several prominent public and private sources, including the National Fish and Wildlife Foundation, the Disney Worldwide Conservation Fund, and CT Sea Grant.

The curricular focus of the workshop is elementary school and up, primarily life science. Typical participants are biology teachers and non-formal educators, including those who work at marine aquaria, parks, wildlife refuges and other interpretive centers.

All participants receive instructional materials for the appropriate age-groups to take back to their classrooms, as well as horseshoe crab tagging kits and egg hatching/larval feeding kits for use with their students in the field.

- Becoming a member
- Becoming a volunteer or citizen scientist
- Participating in our programs
- Contributing for birds and their habitats

Join today to receive our heralded *Connecticut State of the Birds Report!*

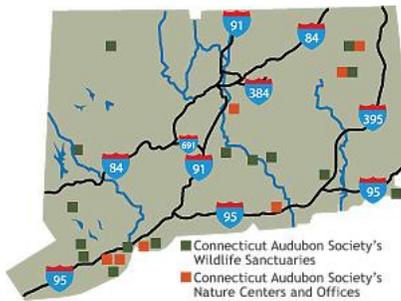
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The Feathered Edge

A lecture series on current scientific trends



Daniel Field

“From Big Years to Big Eras: Birding the ABA Area through Geological Time”

Sunday, November 16, 2:30 p.m.

Lecturer: Daniel Field, Yale University, Ph.D. student in Vertebrate Paleontology

The present day is an amazing time to be a birder. For example, Neil Hayward was able to set a new Big Year record in 2013 using modern birding networks, improved taxonomic knowledge, and ubiquitous transportation options. He recorded more than 700 North American species over twelve months. Although the current diversity on the North American continent is impressive, the fossil record reveals some truly shocking additions to the ABA checklist! While spotting a frogmouth or a mousebird in Wyoming today would incite a twitch of epic proportions, paleontologists have revealed that these exotic lineages, along with many others, were present on our continent 50 million years ago. Even further back in time, we have uncovered surprising evidence of the birds that would have flown above the heads of dinosaurs. This talk will examine how the structure of the North American avifauna has changed dramatically over evolutionary time, and will lead us to a discussion of the most fundamental ornithological question of all: Evolutionarily speaking, what *is* a bird?

“Long Island Sound and Climate Change: What is happening now and what is predicted to happen?”

Sunday, December 7, 2:30 p.m.

Lecturer: Juliana Barrett, Ph.D. Associate Extension Educator, Connecticut Sea Grant College Program, University of Connecticut.

This presentation will explore predicted climate change impacts for Connecticut over the next 100 years and adaptation strategies to improve our resilience. Storms Irene and Sandy showed just how vulnerable coastal Connecticut is to damage from storms and storm surges. The impacts of climate change on coastal municipalities is likely to result in heavier downpours, more vulnerable beaches and dunes, and tidal marshes threatened by rising sea levels. These events challenge communities to come up with adaptation strategies to deal with impacts from climate change and many communities are working to address this challenge.

To register for The Feathered Edge lecture series or individual lecture, contact our office manager, Louise Crocco, at 203-878-7440 x 502.

The lecture series will take place at:

Coastal Center at Milford Point
1 Milford Point Road, Milford, CT

Fee: \$5 suggested donation (free for CAS members, \$3 seniors)

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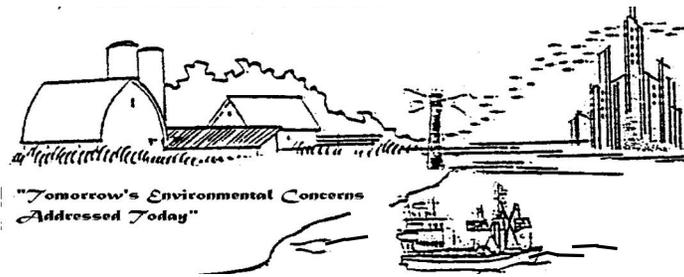
Calendar of Events

Registration

Conservation Science

Soil and Water

Fall 2014 Newsletter



Southwest Conservation District Newsletter

51 Mill Pond Road Hamden, CT 06514
(203) 287-8179, Fax (203)-288-5077

E-mail swcd43@sbcglobal.net - Website www.conservect.org/southwest

*Building a Conservation Partnership Since 1946 with Municipalities, Landowners and Cooperating Agencies: State and Nationwide
Servicing New Haven, Fairfield, Hartford Counties*

Southwest Conservation District 68th Annual Meeting Oct 27th

The District Completes Quinnipiac River Access Ramps

In July, the Southwest Conservation District, with the help of the USDA Natural Resources Conservation Service, Wallingford Parks and Recreation, and a grant from the Community Foundation for Greater New Haven, installed two separate Quinnipiac river access ramps in Wallingford at Community Lake and Fireworks Island.

The ramps provide safe access to the river for the public, stabilize existing foot traffic erosion, and protect against further, more severe erosion. They were designed to have the least amount of impact to the surrounding wetland area, and with the most cost effective, lowest maintenance techniques and materials in mind.



The ramp at Fireworks Island can be accessed via a large wooden bridge, that you must drive over, at the back of the Yalesville On The Green condominium parking lot on route 150. As you drive over the bridge, you will find it straight ahead and slightly to the left, marked by signpost, just off of the crushed shell parking area. The ramp maintains the natural contour of the land and is built on a natural, stabilized sand slope that leads into the river.

Community Lake is also on route 150, about 2 miles south from Fireworks Island. It can be accessed by a parking lot near northbound exit 65 of The Merritt Parkway. To get to the ramp, walk along the section of Quinnipiac River Linear trail that starts and follows the water past the baseball fields. It is located just to the north of the informational kiosk.

Milford Stormwater Pretreatment and Raw Water Renovation Project Begins

Starting in September, the Town of Milford Public Works Department, with the help of the Southwest Conservation District and a grant from CT DEEP, has begun a stormwater retrofit project that encompasses several sites along the Wepawaug River, south of Route 1.

Kicking off the project, a rain garden was created at the Parsons Government building, from the front steps to the side entrance on West Main Street. The work entailed the digging of swales, laying river stone and mulch, and planting native trees and perennials that do well in a wet, shady environment. The upshot of all this is a functional, yet aesthetically pleasing, landscape feature that redirects cleaner roof runoff, allows excess water to naturally infiltrate and transpire, and pre-treats raw water through nutrient uptake by plants. (For more information on rain gardens: www.sustainability.uconn.edu)

The project will focus next across the street, stabilizing and planting on the bank of the City Hall duck pond, and then move to retrofit sites downstream near Stonebridge Restaurant, and the Milford Public Library.

The SWCD 68th Annual Meeting will have regional awards, conservation displays and refreshments!

October 27th, 7:00 p.m. at the Parson's Government Center, Meeting Room A, Milford, CT

Earthplace Pond Dredging and Restoration



Pond and footbridge at Earthplace
www.earthplace.org

The Earthplace Nature Discovery Center, a private, non-profit organization in Westport, built on fostering a “passion in the community for nature and the environment through education, experience and action”, will be dredging and restoring a shallow pond along its extensive trail system as part of a greater focus on enhancing its educational and scientific curriculum, outdoor living classroom areas, lowland/upland habitat and ecosystems.

The pond, located on the fringes of a larger wetland, was assessed and evaluated by the District because of a deteriorating outlet and depth loss. Due to its location, woody debris, leaves, and aquatic biomass were contributing to the build-up of muck at the bottom of the pond, as well as depleted dissolved oxygen levels.

To address the problem, the pond will be dredged to restore the original depth and storage capacity. The excavated soils will then need to be temporarily stored and dewatered before being redistributed or removed. Over time, periodic clean outs of the detritus will assist with water quality. For the size of the pond, an estimated 260 yards of organic material and sub-aqueous soils will need to be extracted and dewatered.

Weeds as Soil Indicators: More Than Just a Back-breaking Chore

Tired of weeding in your gardens and landscape? Sometimes the type of weeds can help you with your gardening tasks. They can tell you the soil type and soil conditions. Large population of weed growth can alert you to poor soil conditions as well as soil type. Some weeds will grow anywhere, like dandelions. Geochemical botanists have studied what determines which minerals are in the soil the weed uses.

Soil conditions can range from moist, poorly drained soil to dry/sandy soil as well as clay and compacted soils.

Application of compost helps amend the soil type and condition.

If you have moss, spotted spurge, chickweed, crabgrass, ground ivy, violets, jewel weed, sedge: you may find wet/moist soils.

If you have sorrel, thistle, mustard, nettle, pigweed: you may find dry/sandy soils.

If you have plantain, nettle, chicory, bindweed, quack grass you may have heavy clay soils or compacted soils. Try compost or aeration.

Fertility soil indicators

- If you have yarrow, oxeye daisy, queens ann lace, mullein, ragweed, plantain, dandelion you may have poor/low fertility soils. Add compost.
- If you have chicory, purslane, lambsquarters you may have fertile soils.
- If you have oxeye daisy, curly dock, plantain, knotweed, sorrel, moss you may have acid soil (sour). Have your soil tested.
- If you have queens ann lace, chickweed, spotted spurge, thistle chicory you may have alkaline soil (sweet). Have your soil tested before adding acid.

Indicator weeds for minerals

- Pigweed shows an abundance of nitrogen.
- Red clovers shows an excess of potassium.
- Purslane and mustard shows abundance of phosphorous.

Beneficial Weeds

- Queen Ann’s lace is good for beneficial insects and swallowtail larvae.
- Dandelions are good for honeybees with their nectar and pollen.
- Jewelweed is an antidote for poison ivy rash.

Resources

‘Soil Indicator Weeds’ Chart can be found at www.oregonbdd.org/class/weeds. It has the weed with soil conditions, fertility, type and salt tolerance.

www.gardeningknowhow.com ‘Weed Identification Control’ lists the soil types and has links to the various weeds cited.

www.motherearthnews.com ‘Weeds as Soil Indicators’ list the weeds with common and botanical names.

www.homestead.org/DianaBarker/LooktotheWeeds/Soilindicators. ‘Look to the Weed’ gives a detailed overview of which weeds are indicators of soil types, fertility, minerals and mineral deficiency.

Another article is in the [2015 The Old Farmers Almanac](#) ‘Weeds Tell a Lot About Your Soil’ by Kris Wetherbee pgs 234-237. (soil conditions, fertilizer, attract beneficial bugs) Yankee Publishing, Dublin, New Hampshire, 2015.

Community Bulletin Board



Events & Classes

UCONN Advanced Master Gardener Courses

Bethel / Bartlett / Haddam / North Haven

305 Skiff Street 203-407-3161 Jude Hsiang, Coordinator Judithhsiang@uconn.edu and Julia Cencebaugh, Coordinator at Bethel, 67 Stony Hill Rd 203-207-3261

Julia.cencebaugh_kloth@uconn.edu and Regina Campfield at Bartlett Arboretum, 151 Brookdale Rd, Stamford 201-322-6971, mastergardener@bartlettarboretum.org.

Fall/Winter Classes

Oct 6th, 8th, 19th, 20th, 22nd: Mercy Center, Madison, Coastal Certificate 6:00-9:00

Oct 16th: Haddam/NH 'Insect Pest Field Research' 2:00-4:00

Nov 10th: Bartlett 'Residential Landscape Design' by Amy Sampson 10:00-12:00

Nov 11th: Bethel 'Woody Plant Propagation' by Adam Wheeler 1:00-3:00

Nov 20th: Bartlett 'English Houses & Gardens' by Kathy Kling 1:30-2:30

Dec 9th: Bethel 'Intro to Horticultural Therapy' by Deldra Wallin 1:00-3:00

For more info: www.ladybug.uconn.edu (UCONN H&G Center, 1389 Storrs Rd U-4115, Storrs CT 06269-4115. 877-486-6271 to register) **Fall/Winter Catalog** Leslie.alexander@uconn.edu State coordinator at Storrs.

Connecticut Orchid Harvest

Oct 17-19th, at Van Wilgen's Garden Center, North Branford. Presented by Connecticut Orchid Society. Beautiful orchid displays, orchids for sale, growing supplies, raffles, and delicious food. For more information: www.ctorchids.com

CT NOFA Farm and Food Guide 2014-2015

New release. Features organic farms, sustainable growers, businesses and co-ops that support Connecticut Farms. Copies available at SWCD office or contact NOFA at 126 Derby Ave, Derby, CT 06418. 203-308-2584 www.ctnofa.org

CT NOFA Website: Resources for Gardeners

www.ctnofa.org List of over 20 sites on Organic Vegetables, Soil Quality, Community Gardens, Seed Saving and other resources and book suggestions.

UCONN Home and Garden Center

www.ladybug.uconn.edu. has Home and Garden Fact Sheets, Monthly Gardening Updates and more.

Gardening for Wildlife with a Certified Wildlife Habitat

Create a garden that attracts wildlife and restores habitat by providing food, water, cover and a place for wildlife to raise their young. Contact National Wildlife Federation for more information at www.nwf.org.



CT Garlic and Harvest Festival

will be held Oct 11-12 at the Bethlehem Fair Grounds, Route 61 in Bethlehem 10-5. Contact: contact@garlicfestct.com 203-266-7810 www.garlicfestct.com.

46th Annual Apple Harvest Festival

Oct 3-5th / 10-12th, located at the Southington Town Green. The festival is a family-oriented and offers live music & entertainment, food, contests, crafts, children's activities, carnival rides, a parade, arts and crafts show and a spectacular evening fireworks display. Try the apple fritters!

Environmental Studies School Course IV

Sponsored by the FGCT will be held Nov 6-8 at Kellogg Environmental Center, 500 Hawthorne Ave, Derby. "The Living Earth-Water and Related Issues" Topics discussed: Sustainability, Stewardship, Stormwater, Wetlands, Aquatic Life. Field Trip: Marine Life Study Cruise in Long Island Sound. Contact: Polly Brooks at MLBrooks@optonline.net. Or 860-567-4292.

Connecticut Flower and Garden Show 2015

Feb 19-Feb 22 at Conn. Convention Center in Hartford, Titled 'The Spirit of Spring' by the Federated Garden Clubs of CT, Inc. with floral and horticultural exhibits, seminars, demonstrations, landscape gardens and 250 booths. For more info: www.ctflowershow.com.

UCONN Worm Day

Sat Oct 11th 10-3. UCONN Master Composter Program featuring worm culture, vermicomposting 101 and building your own worm farm. \$5 registration fee. Middlesex Extension Center, 1066 Saybrook Rd, Haddam. 877-486-6271

Connecticut Master Gardeners Association Annual Meeting

Meeting will be held on November 2nd at the Bartlett Arboretum, 151 Brookdale Rd, Stamford. 10:00 Free For more information contact CMGA c/o Kathy Baechle at k.baechle@comcast.net. or CMGA PO 1784, Hartford 06144.

The Annual Great Pumpkin Festival

Oct. 18th, Booth Memorial Park, Stratford, 1:00-5:00. Family oriented event, with pumpkin carving contest, a costume parade, DJ music, games, crafts, face painting, refreshments, blacksmith demonstrations, 2 Moonbounces, horse-drawn hayrides, and showcase the various historic buildings at the park

Meadows Large or Small

Home and Community Landscape Seminar

Sat, Oct. 18th, 10:00-12:00, join a seminar with landscape designer Kathy Connolly, jointly sponsored by the Connecticut Forest & Park Association and the New England Wild Flower Society. To be followed by a native meadow plant sale and more. CFPA Headquarters, Middlefield, CT. 32 dollar fee, open to the public. www.ctwoodlands.org/MeadowSeminar.

Southwest Conservation District, Inc.
51 Mill Pond Rd.
Hamden, CT 06514
203-287-8179, email: swcd43@sbcglobal.net
Website: www.conservect.org/southwest



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***“ Tomorrow’s Environmental Concerns
Addressed Today”***

(The Conservation Districts are Non-Profit Organizations)

**Alicia Mozian Receives “Women Inspiring
Conservation in Connecticut” Award**

Congratulations goes to Southwest Conservation District board member, Alicia Mozian, who accepted a Women Inspiring Conservation in Connecticut Award offered by the Natural Resources Conservation Service (NRCS) last June. Alicia was awarded for her work as the Director of the Westport Conservation Commission. Her certificate reads, *“For her compassion and dedication to protecting, conserving and enhancing the natural resources in her town.”* She was among six women honored for their efforts toward conservation and agriculture in the state.



**SERVICES AVAILABLE TO OUR COMMUNITIES FROM
THE SOIL & WATER CONSERVATION DISTRICT**

TECHNICAL PROGRAMS AND SERVICES - Soils Assistance • Water Quality Management • Nonpoint Source • Pollution Management • Sediment & Erosion Control • Stormwater Management • Inland Wetland Delineation • Site Plan Reviews • Watershed Planning & Management • Land Use Planning • Flood Loss and Prevention Management • Open Space and Farmland Preservation • Integrated Crop and Pest Management • Forestry and Wildlife Management • Environmental Review Team support.

INFORMATIONAL AND EDUCATIONAL OUTREACH - Municipal and Private Landowner Workshops on Stormwater Management • Erosion & Sedimentation Control • Water Quality Monitoring and Assessment • NPS Pollution Management and Strategies • Outdoor Living Classroom Design and Implementation • Envirothon • Forestry Stewardship Programs • Vocational and Agricultural Education Internship Programs • Terrestrial and Aquatic Habitat Inventories • Environmental Research • Watershed Initiative Programs.



Coastal Center at Milford Point

1 Milford Point Road, Milford CT 06460
Phone: 203-878-7440, Fax: 203-876-2813

Register on-line at www.ctaudubon.org or by mail, starting February 12th, 2014



The Coastal Center opened in 1995 and is located on an 8.5-acre Wildlife Refuge and Bird Sanctuary adjacent to the beautiful 840-acre Wheeler Salt Marsh and Long Island Sound. The Center provides easy access to tidal salt marshes, coastal dunes, tide pools, and sandy beaches, and has educational exhibits, live animals, and program activity space.

For 19 years our State-certified camp has provided unique, hands-on environmental education and outdoor adventure experiences along our shores for children. Our counselors are professional educators with CPR and first aid certifications. In the past 9 years, with the enthusiastic support of the community, we've expanded enrollment from 60 students to 287. Thank you!
All campers receive a CAS backpack.



"This is a 5-star program!"
2010 Parent

Half-Day Programs (3-day): "Beach Bums" (A.M. - Ages 3-5) & "Eco-Explorers" (P.M. - Ages 3-5)



"My Son spent the day playing and learning outdoors. It doesn't get better than that." 2012 Parent

"Beach Bums" & "Eco-Explorers" let younger campers interact with nature!
Campers must be 3 years old by January 1, 2014, and be toilet-trained.



Ages 3-5 (3-day)
Beach Bums
Tuesday-Thursday

Here younger campers really interact with nature! Meet live creatures, explore our beaches, and enjoy hands-on activities. \$110/week

Mornings 9 am - Noon

- June 10-12
- June 17-19
- June 24-26
- July 1-3
- July 8-10
- July 15-17
- July 22-24
- July 29-31
- August 5-7
- August 12-14



Ages 3-5 (3-day)
Eco-Explorers
Tuesday-Thursday

This is our afternoon version of Beach Bums. Explore nature, enjoy fun games, meet interesting critters, and make crafts! \$105/week

Afternoons 1 pm - 4 pm

- June 24-26
- July 1-3
- July 15-17
- July 29-31
- August 12-14



"My kids learn so much every year and insist on attending" 2012 Parent

****Two Special Weeks****

Day by Day Adventures

These exciting half-day programs are designed to fit your schedule. Sign up for a day or two, or have your child come for the week. Each day is centered around a different theme and provides your child with hours of hands-on outdoor exploration, games, crafts, and beach time.

\$37/half-day

June 9-13 - **Spy Camp**

June 30-July 3 - **Xtreme Animals**



"This was my daughter's favorite camp ever! She didn't know anyone, but everyone made her feel at home and she had a wonderful time." 2009 Parent

"I expected quality from a quality organization dedicated to educating about nature, and you delivered. Thank you." 2006 Parent



"Lunch Bunch" Noon - 1pm

Pick your child up one hour later for an AM session or drop off one hour early for a PM session. Campers must bring their own lunch; please no peanuts or tree nuts.

\$35/week or \$8/day

"Afters Club" 4:00 - 4:30pm

Your child can stay for an extra half-hour of quiet activities. \$20/week or \$5/day

Special! Do "Lunch Bunch" and "Afters Club" for \$50/week

"I think it's a great program, very hands on." 2011 Parent



"The program is wonderful, my daughter loves it!" 2011 Parent





Half-Day Programs (5-day): "Jr. Naturalists" (Ages 5-7)
Full-Day Programs (5-day): "Beach Combers" (Ages 5-7) *New*



Different topics each week invite children to experience nature in a stimulating setting.

Ages 5-7 (Half-Day) (5-day)

Junior Naturalists



Monday - Friday

*These exciting half-day programs, with a new theme each week, provide children with hours of hands-on exploration, games, crafts, and time at the beach! \$165/week***

Morning Sessions 9 am - Noon

June 9-13** or See "Day by Day Adventures"

June 30-July 3 See "Day by Day Adventures"

July 21-25 One Fish, Two Fish

July 28-Aug.1 Living the Tide Life

August 4-8 Smarter Than a Squid?

Afternoon Sessions 1 pm - 4 pm

June 16-20 Spy Camp

August 4-8 Xtreme Animals



"This was her favorite camp this summer!" 2011 Parent

Ages 5-7 (Full-Day) (5-day)

Beach Combers - New

Monday - Friday

*Our new program provides young campers with a full-day of hands-on seaside activities and exploration. Enjoy a fun summer by the sea; there's a new theme each week! \$285/week***

Full-Day Sessions 9 am - 4 pm

June 16-20 Xtreme Animals

July 7-11 Spy Camp

August 18-22 Smarter Than a Squid?



Half-day Option*

**Half-day options may be available for these weeks. Call Louise at 203-878-7440 to inquire.*

"My daughter was engaged & enthused..." 2013 Parent

"It's a great blend of learning and fun. My son had so much fun! 2011 Parent



"Living the Tide Life IV" - New

It's a tough day at the beach when water's out of reach, in a tide pool. If the snails go ashore, they don't live anymore, in the tide pool. Small fish spend the day when the tide goes away, in the tide pool. Come to our shores, it's time to explore, in our tide pools!

"My son is loving every minute of it!" 2013 Parent

"One Fish, Two Fish..."

Dr. Seuss's engaging stories serve as our springboard into the world of nature and outdoor exploration. *Horton Hears a Who?* We'll find out, and meet *Yertle the Turtle*, and our real turtles, too, in this fun-filled week where imagination meets the beach!

"The counselors are awesome." 2013 Parent



"Smarter Than a Squid?"

Do squid have eight legs, four, or even more? Let's find out. Join our "game show" hosts for a fun-filled week learning amazing animal facts, watching wildlife, and having fun at the beach. Come and explore our shores!

"This was a great experience." 2011 Parent

"Xtreme Animals" - New

Can you jump higher than a kangaroo, run faster than a cheetah, or leap farther than a frog? During our Animal Olympics, test your skills against those of xtreme animals from around the world! We'll meet some awesome creatures and spend plenty of time at the beach, too!

"My kids loved 'Spy Camp'..." 2012 Parent

"Spy Camp!"



Sneak a peak into the secret lives of lobsters, clams, mussels, and more, as we spend the week exploring our shores uncovering hidden marine life. What can you spy with your little eye - or with our microscopes, magnifiers and binoculars? Is there a crab under that rock? Where did that clam go? Unravel the mystery!

"My child loved this camp. This is definitely the best camp of the summer! They love that it's so hands-on." 2012 Parent

"The staff is knowledgeable about the subjects and very caring!" 2011 Parent



Coastal Center at Milford Point

1 Milford Point Road, Milford CT 06460
Phone: 203-878-7440, Fax: 203-876-2813

Register on-line at www.ctaudubon.org or by mail, starting February 12th, 2014



Full-Day Programs (9 am - 4 pm): **Discovery Squad** (Ages 7-10), **Aqua Quest** (Ages 8-11), **Advanced Aqua Quest** (Ages 9-12), **Expeditions** (Ages 10-14)

Ages 7-10

Discovery Squad

Monday-Friday (9 am - 4 pm)

Campers dive into different topics each week, engaging in fun hands-on activities, games, and crafts, meeting animals and exploring the beach. \$285/week

June 23-27 & July 14-18

"Motion in the Ocean" - New

The moon and tides are creating a commotion; creatures living life in motion are traveling the ocean carried by the currents and drifting on the tides. Some are huge and mighty, others teeny tiny; let's make some waves and meet the amazing creatures that ride them.



July 28-August 1

"Treasure Hunt!" - New

Seek hidden riches buried beneath the waves, and secreted in the sands... We'll all get rich searching for sea life and other hidden gems... What ocean jewels await our treasure hunters? Perhaps sand dollars or an oyster's pearl? Come quick; I hope I find a Gold Fish! We may even talk like pirates, "arrg!"



August 11-15

"Living the Tide Life IV"

It's a tough day at the beach when water's out of reach, in a tide pool. If the snails go ashore, they don't live anymore, in the tide pool. Small fish spend the day when the tide goes away, in the tide pool. Come to the shore, it's time to explore, in our tide pools!



Ages 8-11 (age 12 with permission)

Aqua Quest

Monday-Friday (9 am - 4 pm)

These full-day programs cover a variety of topics and provide kids with positive experiences in nature, stimulating hands-on activities, and games. \$325/week

July 7-11 & August 11-15

"Catch & Release III"

Help protect our wildlife! Working with university researchers, catch, tag, and release a slew of creatures, from horseshoe crabs to turtles. Learn by doing: Set up bird nets, turtle traps, fish pots, and even canoe in a marsh, as we explore and have fun with science. There's a cookout and lots of beach time, too!

Ages 10-14 (age 15 with permission)

Audubon Expeditions

Monday-Friday (9am - 4pm)

Five days of travel and exploration to new sites daily in search of natural wonders and wildlife. \$375/week

June 16-20

"Behind the Scenes II" - New

Here's a backstage pass into the world of professional biology. Join Yale researchers behind the scenes at Peabody Museum. Set turtle traps, net birds and tag horseshoe crabs; take a special tour of the Beardsley Zoo. Learn how to set a bear trap, radio collar, and track wildlife with D.E.E.P. biologists! Thursday's overnight at our Pomfret Center offers an owl prowl, s'mores, and a pancake breakfast.

July 14-18

"Surf & Turf III"

We're serving up wildlife-rich exploration. Appetizers include group challenges and a canoe trip. The blue-plate special is a Thimble Island boat tour. Our entrees: A bike trip; pond, stream and beach-life romps; a swim; and a Thursday overnight at the Coastal Center, with s'mores and a pancake breakfast. Dessert's a hike to pick wild blueberries. Come dine on some fine summer adventures!

Ages 9-12 (age 13 with permission)

Advanced Aqua Quest

Monday-Friday (9am - 4pm)

Added half-day trips and species identification challenges give children in-depth experiences in nature. \$335/week

June 23-27

"Naturalist Challenge III!"

Search out wildlife in wild places in this amazing week finding Connecticut's incredible creatures. Whether dragonflies or birds, butterflies or fish, they're all on our list. Using our binoculars and magnifiers, we'll comb the beaches, peruse ponds, hike through forests, and explore streams to gather our lists. What incredible creatures we'll find; join us!

"Love it!" "All great!" 2013 Parents

July 21-25 & August 18-22

"Survivor Camp"

Step back in time: Use a bow drill to make a fire and learn to cook on a rock. Play Native American games, paddle a canoe and create your own toys and fishing pole. Visit a Native American museum and village. Discover treasures in our "archaeological" dig, and spend time exploring the beach. There's even a shelter-building contest on "Native Survivor Day!"

"Staff was great as always! That's why we come back every year."
2010 Parent



August 4-8

"Wildlife C.S.I." - New

Something's "fishy" at the Coastal Center. Ferret out clues, reconstruct "crime scenes" and solve amazing seaside mysteries. We'll also team up with wildlife biologists to band birds, and survey frogs, turtles, and other amazing animals.

"She loves it every year - can't wait to come back!" 2012 Parent

"My son was ready to sign up for another week the very first day." 2007 Parent



2014 Summer Camp Mail-in Registration Form

Connecticut Audubon Society

Please use a separate form for each child. Forms available at CAS Centers, at www.claudubon.org and by photocopy

Participant's Name _____ Age _____ Birth date _____

Name of Parent or Legal Guardian _____ Grade completed _____

Address _____ Phone: Home(____) _____

City _____ State _____ ZIP _____ Phone: Cell(____) _____ Work(____) _____

E-mail Address _____

Emergency Contact Name (other than Parent) _____ Phone(____) _____

List any allergies or medical conditions: _____ Bringing an Epi-Pen? Yes or No

PROGRAM	DATE	TIME	FEE
1. _____			
2. _____			
3. _____			
4. _____			

Connecticut Audubon Society Annual Family Membership (\$55)

(You must have a current CAS Family Membership to enroll in Summer Camp programs)

\$ _____

Total Payment Enclosed \$ _____

If your child wishes to be placed with another child, please note in the box:

(We will make every effort to accommodate requests for friends and siblings to be placed in the same class, but we cannot guarantee such placement.)

Empty box for child placement notes.

Method of Payment: Check enclosed MasterCard Visa Amex

Name on card: _____ Signature: _____

Card Number: _____ Exp. Date: _____

Make check payable to Connecticut Audubon Society. Mail registration form & check or credit card info to the appropriate CAS Center.

Parental Permission Form

This section must be completed by a parent/guardian for all program registrations

I certify that my child, _____, is healthy and free of problems that could be deleterious to his/her participation in Connecticut Audubon Society (CAS) programs or classes. In case of injury, I wish to be contacted as soon as possible at the telephone number listed above. If I cannot be reached, please contact the person listed at the emergency number that I have listed above who is authorized to give permission to treat my child. I also give CAS permission to treat my child in the event of an emergency if I, or the emergency contact, cannot be contacted. In the event of serious illness or injury, and so that my child may be sent to a local hospital via ambulance, I understand that I am responsible for all charges either through health insurance or otherwise. Also, if programs or classes meet or travel to other areas, I give permission for my child to be transported there.

Pediatrician's Name and Telephone Number _____ (____) _____

I give permission to Connecticut Audubon Society (CAS) to photograph my child _____ who is participating in a CAS program or class. I also give permission to Connecticut Audubon Society to use the photographs of my child for promotional purposes, including but not limited to the CAS web site, Annual Report, Newsletter, Summer Camp Guide, and other marketing and communication materials

I hereby release Connecticut Audubon Society (CAS) from any and all liability, claims or expenses in connection with any injury to my child resulting from my child's participation in a Connecticut Audubon Society (CAS) event.

Signature: _____ Relationship to child: _____ Date: _____

PLEASE PRINT CLEARLY USING BLUE OR BLACK PEN

On List _____ Sent Confirmation _____ Med Form _____ Authorization of Meds _____ Date _____ Amount _____

Connecticut Audubon Society Summer 2014 Youth Programs
Register on-line at www.ctaudubon.org or by mail
starting February 12th, 2014

***You must have a current family CAS membership to register for Summer Programs. ***
Not a current member? You can renew or join at time of registration.

Online & Mail-In Registration procedures for all Summer 2014 Camp Programs
held at our Center at Fairfield, Birdcraft, and Coastal Center at Milford Point.

ON-LINE REGISTRATION:

1. Start at the Connecticut Audubon Society website: www.ctaudubon.org
2. Go to the facility where your child will attend camp. (Center at Fairfield, Birdcraft, or Coastal Center at Milford Point.)
3. Complete the on-line registration process.
4. You must have a current CAS family membership to register for summer camp programs.
Not a current member? You can renew or join at time of registration.
5. Full payment by credit card must accompany all on-line registrations
6. You will receive an e-mail confirmation.
7. Please check each Center's website for detailed camp polices, procedures and equipment lists.

*If you prefer to **pay by check**, please see the **mail-in registration** procedures below.*

MAIL-IN REGISTRATION: must be postmarked on or after February 12th, 2014.

For registrations at different CAS Centers: mail separate registrations and payments directly to each Center.

1. Complete the Registration & Parental Permission form on page 12 of the camp brochure.
2. If you are registering more than one child, please use a separate form for each child. Forms are available at CAS Centers, www.ctaudubon.org, and by photocopying the form on page 12 of the camp brochure.
3. You may send in one payment for all classes registered for one family.
4. Full payment in the form of check or credit card must accompany all mail-in registrations.
5. You must have a current CAS family membership to register for summer camp programs.
Not a current member? You can renew or join at time of registration.
6. You will receive an e-mail confirmation.
7. Please check each Center's website for detailed camp polices, procedures and equipment lists.

PLACEMENTS:

Although we make every effort to accommodate requests for friends and siblings to be placed in the same class, we cannot guarantee such placement. Any request should be made on the registration form or sent in writing and received least two weeks prior to the week attending.

WEATHER POLICY:

All programs are held rain or shine. In the event of inclement weather, an outdoor activity may be replaced with an equivalent indoor activity. We reserve the right to change programs without notification.

REFUND POLICY:

- Changes to another week must be received by e-mail at least *two weeks* prior to the program session for which the change is being requested.
- Cancellations:
All cancellation requests must be received by email.
If we receive your cancellation request *before* June 1, 2014 you will receive a refund minus a 20% fee per program canceled. Membership fees will not be refunded.
After June 1, 2014 there are no summer program refunds.
If we cancel a program, you will receive a full refund.
- All changes and cancellation requests should be emailed to the following:
Center at Fairfield and Birdcraft Museum camps to Jane Guenther at jguenther@ctaudubon.org
Milford Point camps to Louise Crocco at lcrocco@ctaudubon.org

Appendix B

Public Participation Materials

CT International Coastal Cleanup: Silver Sands State Park

Sat, September 6, 9am – 11am

Where Silver Sands State Park, Milford, CT,
06460 United States
[map](#)

Calendar CFE/Save the Sound

Description Contact Cleanup Captain:
Megan Smith
203.605.0365
megan.smith17@live.com

Meeting Location:
Silver Sands State Park Parking Lot

Directions: Off I-95: take Exit 35.
Follow Schoolhouse Road south to
Route 1 (Bridgeport Avenue). Turn left
onto Route 1 then right at first light
(Silver Sands Park Way). Follow Park
Way across Meadowside Road and
continue down hill to main parking lot.

Notifications No notifications set
[Add a notification](#)

[Want to add attachments? Learn how to enable the lab!](#)

CT International Coastal Cleanup: Milford Point

Sat, September 13, 9:00am – 10:30am

Where Milford Point - Coastal Audubon
Center, 1 Milford Point Road Milford,
CT 06460
[map](#)

Calendar CFE/Save the Sound

Description Group: Boy Scouts, (Troop 303/ Crew
303) and (Pack 709/Pack 13)

Meeting Place: Coastal Audubon
Center Parking Lot

Contact Cleanup Captain: Dee
McLenithan

e-mail:

jmclenithan@sbcglobal.net

phone: 203.561.0297

Notifications No notifications set
[Add a notification](#)

[Want to add attachments? Learn how to enable the lab!](#)

CT International Coastal Cleanup: Anchor Beach - Milford

Sat, October 18, 9am – 11am

Where Anchor Beach, Beach Ave. and
Village Road, Milford, CT 06460
[map](#)

Calendar CFE/Save the Sound

Description This is a small family beach in
Milford. Meet in the small parking lot.

To join this public cleanup please
contact Carol Malenfant at 203-231-
3541 (texting is best! or email Carol
at cmal12@att.net)

Notifications No notifications set
[Add a notification](#)

[Want to add attachments? Learn how to enable the lab!](#)

GOAL

TO PROVIDE A FUN FAMILY EVENT WITH BIRDS OF PREY, REPTILE AND INVERTEBRATE PRESENTATIONS, KID ACTIVITIES, AND FOOD.

MANY ECOLOGY & ENVIRONMENTAL RELATED ORGANIZATIONS AND BUSINESSES WILL HAVE BOOTHS TO PROVIDE INFORMATION AND GOODS TO BRING AN AWARENESS OF WAYS TO BETTER OUR ENVIRONMENT AND SAVE MONEY.



Milford Rotary
www.milfordrotary.org



Milford  Rotary's
3 R D A N N U A L

ECO-FEST



SATURDAY MAY 17TH
11AM TO 4PM

TO BE HELD ON THE GROUNDS OF
FOWLER FIELD ROTARY PAVILION
1 SHIPYARD LN, MILFORD, CT. 06460

FREE TO THE PUBLIC

SHOWS

2 LIVE BIRDS
OF PREY SHOWS

3 LIVE LARGE
REPTILE SHOWS



EXHIBITOR INFO

FEE SCHEDULE:

NON-PROFIT VENDOR: \$25
FARMING VENDOR: \$25
FOR PROFIT VENDING 1 SPOT: \$75
FOR PROFIT VENDING: \$125

FOR \$25 BOOTHS:
RENTAL OF ANY TABLES, CHAIRS,
WOULD BE EXTRA

FOR \$125 BOOTHS:
1 TABLE AND 2 CHAIRS INCLUDED

FOR ALL:
NAME & LINK ON WEBSITE, 10' X 10' SPACE

NOT PROVIDED:
TABLECLOTHS, ELECTRICAL AND
WIRELESS SERVICE

SET-UP SATURDAY MAY 17TH
8AM-10AM

THERE WILL BE NO REFUNDS,
THIS IS A RAIN OR SHINE EVENT

FOR MORE INFO, PLEASE CONTACT:
DARCY LAPP-RABINOVITZ
AT 203-876-5123

Mackenzie's 6th Annual Beach Clean Up

Saturday May 3, 2014. 10am to 2pm
Walnut Beach & Silver Sands



Come spend a hour or two cleaning up our beaches



- * Gloves and bags will be provided
- * Free ice cream for the first 100 Volunteers compliments of Walnut Beach Creamery
- * Looking for clean up captains for other Milford beaches

*** FOR MORE INFO**

*** www.facebook.com/mackenziesbeachcleanup**

***email: jpowers@jpowersphotography.com**



Save the Sound®

Earth Day volunteers needed to clear Wilcox Park of invasive species

By [Mirror Milford](#) on May 11, 2014 in [Lead News](#), [News](#) · [0 Comments](#)



Wilcox Park in Milford

Milford Earth Day Volunteers are needed for Milford Earth Day 2014, Saturday, May 17 from 8 a.m. to noon at Wilcox Park.

Preserving the woodland diversity at Wilcox Park for today and for future generations is vital to protecting this public open space that is also a State Wildlife refuge designated in 1931, city officials said.

Non-native invasive species are overwhelming the 105-year-old Wilcox Park.

Volunteers will be celebrating Milford Earth Day this year by cutting non-native invasive plants that are damaging the native woodland community. They also will be building habitat brush piles and planting native plants and flowers.

“Invasive threats are not a new problem in Milford,” said Steve Johnson, the city’s open space coordinator. “In 1797, Milford voted to make it lawful to ‘dig up and destroy’ European Barberry bushes because our early townspeople understood the damage that the barberry bushes were causing to their grain crops.”

Volunteers will learn why these non-native invaders are the biggest threat to the conservation of open spaces today. Working in teams, people of all ages can lend a hand to make a difference at Wilcox Park.

“It is hoped that participants can take their new knowledge back to their own homes and neighborhoods and work to eliminate non-native invasive species they find growing there,” Johnson said.

For Information contact Johnson at milfordearthday.org or 203-878-7812 or e-mail: stevenjohnson@ci.milford.ct.us.



Milford Earth Day Fowler Field May 17, 2014

[SCHEDULE](#)
[WORK SITES](#)
[VOLUNTEER INFO](#)
[DONATE / LEND](#)
[SPONSORSHIP](#)
[PHOTOS](#)

SCHEDULE:

- 8:00 AM Arrive at **FOWLER FIELD PAVILLION** (*behind Milford Library*)
- 8:15 AM Opening Ceremony
- 8:30 AM Head off to **WORK SITES** (*Walk or Car Pool*)
- 8:45 AM At work site, follow your site leader to pick up litter, cut invasive plants, and more.
- 12:30 PM Clean up and return to Fowler Field Pavillion
- 1:00 PM Eat lunch and celebrate Earth Day with lots of fun activities! (*Games / Interactive Exhibits / Eco - Fest*)
- 3:00 PM End of day.

Quick Facts from Milford Earth Day 2013:

- Over 300 volunteers from over two dozen groups
- 20 cubic yards of trash removed from open spaces and roadsides
- Over 2,000 sq. ft. of natural landscapes installed
- Over a half acre of invasive brush removed from Eisenhower Park
- Over 1,000 native plants installed at Eisenhower Park
- Eight new birdhouses installed and eight existing birdhouses repaired
- Nearly \$6,000 in donations received (double the prior year's total)
- Over \$2,500 in donations spent on land care tools and new plantings
- Over three dozen sponsors (double the prior year's total)
- Many new long term partnerships created with new sponsors and donors
- Created year-round team of truck drivers, equipment donors, and litter recovery support
- Over two dozen vendors / exhibitors (double the prior year's total)
- Pre-Earth Day litter contest held by the Conservation Commission



Contact Info

Director
Vincent Piselli
361 Meadowside Rd
Milford, CT 06460

Email Contact

Your Email Address:

Your Message:


[SCHEDULE](#)
[WORK SITES](#)
[VOLUNTEER INFO](#)
[DONATE / LEND](#)
[SPONSORSHIP](#)
[PHOTOS](#)

Milford Earth Day Fowler Field May 17, 2014

Plan to help at this year's work sites:

1. **Wilcox Park**

- **Invasive Plant Removal** - Teams of volunteers will be assigned to five different areas to cut and remove invasive plants. *Hand tools will be provided. No power tools are permitted.
- **Invasive Plant Moving** - Transfer the cut invasive plants to the habitat gorge area.
- **Wildlife Habitat Construction** - Wildlife habitat brush piles will be built using the cut materials. These will be located off of the main trails.
- **Native Planting** - Native plants will be planted near the harbor entrance trail.
- **Trail Maintenance** - Leaves will be lightly raked off of the main trail sections.
- **Lane Widening** - Leaf litter and soil will be cleared along the edges of Shipyard Lane to widen by about four feet for safer pedestrian and bike traffic.
- **Litter pick-up** - Pick up plastic bottles and wrappers at several key areas.

** Volunteers are encouraged to bring any leather work gloves, hand pruners, loppers, or hand saws. Milford Earth Day will be providing loaner tools and gloves.*

Contact Info

Director
Vincent Piselli
361 Meadowside Rd
Milford, CT 06460

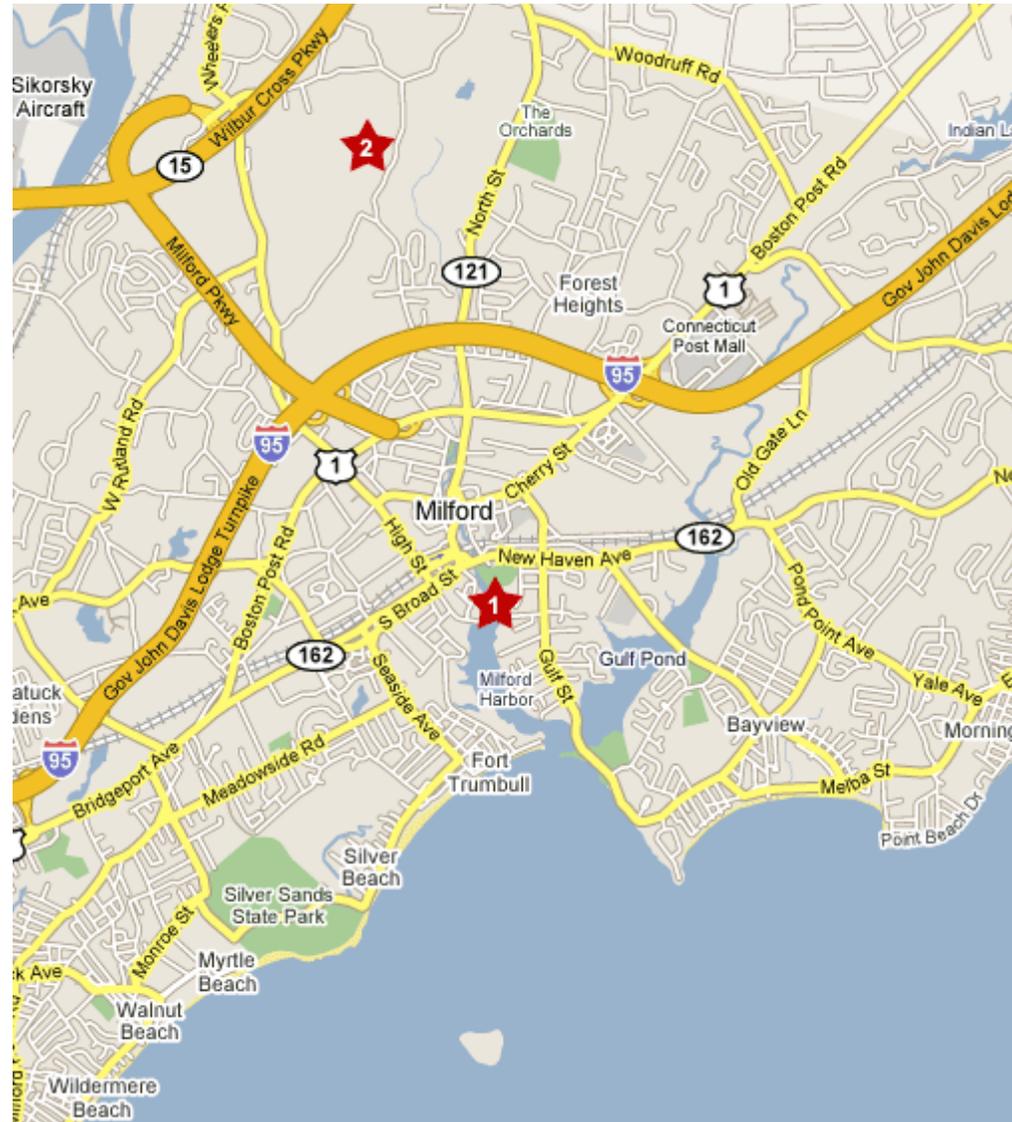
Email Contact

Your Email Address:

Your Message:

2. **Solomon Property**

- Invasive Plant Cutting
- Trash Removal



Lend A Hand At



Milford Earth Day

Fowler Pavilion ■ 8am – 3pm

May 17, 2014



Admission Free!

Eco - Projects at Wilcox Park • Free Lunch For volunteers
Now Partnered with Milford Rotary Eco- Fest • Games & Prizes

Girl Scouts remove invasive species from Wilcox Park

Second project focuses on Historical Society garden

By [Mirror Milford](#) on October 19, 2014 in [Clubs & Organizations](#), [Lead News](#) · [0 Comments](#)



Local Scouts clear invasive species from Wilcox Park.

Milford Girl Scout Troop 38305 recently completed two projects for their Silver Award, the second highest award in Girl Scouting.

The first project involved removing invasive species such as mugwort, oriental bittersweet and Japanese knotweed from Wilcox Park in Milford. The area was then planted with native plants that provide food for wildlife and birds.

The improved habitat is part of a “Fly by” for migratory birds. The community was educated about this project with a brochure that the girls created to describe the problem with invasive species in Milford’s woodlands and wetlands.

The second project involved the creation of a colonial flower garden at the Eells-Stow house at the Milford Historical Society. The plants included in the garden were growing in 1700 and had medicinal or culinary uses. The plants were labeled with their name and use during colonial times. The girls also created a brochure to explain the project as a celebration of the 375th anniversary of Milford’s founding.

The troop had help from the city’s Inland Wetland Department and the director of open space, as well as the Milford Historical Society.

Protecting Oceans, Waves and Beaches since
1984

SURFRIDER CONNECTICUT

[Our Mission](#)
[Events](#)
[Contact Us](#)
[Join Today!](#)

JUNE 1, 2014

International Surfing Day 2014

Celebrate [International Surfing Day](#) on Saturday June 21 at Walnut Beach in Milford. Join Connecticut Surfriders for live music, surf and SUP demos, give-aways, and a beach clean-up – ALL FREE! The celebration will run from 11:00 a.m. to 5:00 p.m. See you on the beach!

Volunteers Needed!

If you are interested in volunteering at a Surfrider Event, please contact us TODAY!

Upcoming Events

News From Surfrider HQ

Each year, Surfrider Foundation identifies priority campaigns to focus our work and ensure we achieve important on-the-ground protection of our oceans, waves and beaches. We have [three major areas of focus](#) this year: Clean Water, Ocean Protection, and Rise Above Plastics. Remember, these battles will only become victories if we continue to have your support!

Once again, the EPA is proposing to cut all federal funding for beach water quality monitoring, putting more than 100 million Americans at risk of getting sick from polluted water. With 20,000-plus beach closures and advisories issued last year, now is not the time to stop beach monitoring. Sign this [Surfrider action alert](#) and help raise awareness and build support for BEACH Act funding in both the House and Senate.

Surfrider Foundation World Headquarters has begun the search for our next Chief Executive Officer. "Change is a healthy part of any organization," said Jim Moriarty in his recent [blog post](#) about his decision to step down as Surfrider's CEO. During his almost nine years as CEO, the Foundation achieved more than 250 coastal wins, and its network expanded from 62 chapters and clubs to 114. The comments below his announcement are a true testament to the legacy he leaves behind.

Today's Coastal Factoid



BEACHAPEDIA
Coastal Knowledge Resource

Rain Gardens Can Help Clean Stormwater Runoff and Protect Fish

"It's really promising, showing that rain gardens and bio-filtration are removing the pollutants that are killing the salmon," said Chris Wilke with Puget Soundkeeper Alliance." - quote from [ABC News article](#).

SURFRIDER and the SURFRIDER LOGO are registered service marks of Surfrider Foundation

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Appendix C

Pollution Prevention Materials



Got Drugs?

Turn in your unused or expired
medication for safe disposal
Saturday, September 27th,
10 a.m. – 2 p.m.

Visit www.dea.gov
or call 800-882-9539
for a collection
site near you

Milford Senior Center
9 Jepson Drive
September 27, 2014
10:00 am - 2:00 pm

For more
information,
please visit
www.dea.gov

SEPT. 13, 2014 – RESIDENTS ONLY

HAZWASTE & RESIDENTIAL ELECTRONICS for Milford

**Saturday, September 13, 9 am–Noon
Milford Public Works Yard, 83 Ford Street**

For a complete list of what to bring:

www.rwater.com/products-and-services/hazwaste-central/

GARAGE & WORKSHOP		
Gasoline		Auto Body Repair Products
Brake & Transmission Fluid		Latex & Oil-Based Paints & Stains*
Paint Thinner & Stripper		Other Oils/Cleaners
GARDEN & MISCELLANEOUS		
Fertilizer	Fungicides	Herbicides & Insecticides
Pesticides	Batteries*	Cleaners, Polish, Aerosols
Swimming Pool Chemicals		Fluorescent Bulbs (Including CFLs)*
Mercury & Mercury-Containing Items		

WHAT NOT TO BRING:

**NO GAS GRILL & SMALL CAMP STOVE PROPANE TANKS,
ANTIFREEZE, ASBESTOS, AUTO BATTERIES, OR WASTE OIL**

Residential Waste Only

* Local disposal options may be available.

Batteries: call 1-800-8-BATTERY or log on to www.call2recycle.org
(excluding alkaline and auto batteries).

Compact Fluorescent Light (CFL) Bulbs: call 1-800-CLEANUP, or log
on to www.earth911.com

Paint: log on to www.paintcare.org and visit the Connecticut portion
of the site to find a drop-off location for household paint.

HazWaste Central is for residents in these participating
towns: Bethany, Branford, Cheshire, East Haven,
Fairfield, Guilford, Hamden, Madison, Milford,
New Haven, North Branford, North Haven,
Orange, Wallingford, West Haven, Woodbridge.

For more info call 203.401.2712



Accepted devices include: Computers,
Laptops, Printers, Fax Machines, Monitors,
TVs, Cell Phones, Tablets, Video Game and
VCR/DVD Machines, Remotes, Keyboards,
Small Appliances, Light Bulbs, Batteries

800-209-9322 • www.take2recycle.com

Contact: Benjamin G. Blake

Mayor, City of Milford
City Hall
110 River Street
Milford, CT 06460
Phone 203 783-3201
E-mail mayor@ci.milford.ct.us

City of Milford

PressRelease

Mayor Blake Announces Start of Annual Leaf Pickup

Milford, CT, October 27, 2014: Mayor Benjamin G. Blake announced today that the annual citywide *Leaf Pickup Program* will begin on Saturday, November 8, 2014.

As in past years, only leaves placed in **paper bags** will be collected. Leaves in paper bags – which are biodegradable and can be mixed with composted material – should be left at the curb away from regular weekly garbage and recycling bins.

The City will not accept plastic bags, and if leaves are put out in plastic, they will be left at curbside.

City crews will pick up leaves on a weekly basis until the first snowfall. If you choose not to bag leaves for pickup, you may bring them directly to the Transfer Station on Oronoque Road. The Transfer Station is open from 7 a.m. to 3 p.m. Monday through Saturday and is closed daily from noon to 12:30 p.m. for lunch.

– 30 –

Contact: Benjamin G. Blake

Mayor, City of Milford
City Hall
110 River Street
Milford, CT 06460
Phone 203 783-3201

City of Milford

Press Release

Mayor Blake Announces Bulk Waste Pickup Schedule

Pickup Begins First Wednesday in September

Milford, CT, August 4, 2014: Mayor Benjamin G. Blake announced today that the City of Milford's 2014 Bulk Waste Pickup Program for the fall will begin the first Wednesday in September, according to the attached schedule.

All homeowners are asked to honor the schedule and **not** place bulk waste at the curb any sooner than the Saturday prior to their scheduled pickup.

BULK PICKUP - CITY OF MILFORD

PUBLIC WORKS DEPARTMENT

Items set out for collection are to be placed at the curb not sooner than the Saturday prior to the scheduled date of the collection and all items are to be at the curb by 6:00 a.m. on the scheduled pickup date.

In order to qualify for this free pickup service, the homeowner must properly prepare and separate the bulky waste. Metal must be separated from burnable items. Yard waste should be placed in disposable containers or bags. Brush and wood must be cut to four-foot lengths and tied in bundles. No more than four passenger car tires may be included in the items set out for collection. Where possible, similar items should be placed together in containers, which the homeowner wishes to discard. All acceptable items placed at the curb will be taken, INCLUDING CONTAINERS.

Prohibited Materials: Certain items are PROHIBITED from the *Bulky Waste Pickup* program. The following items WILL NOT BE PICKED UP, and therefore, should not be placed at the curb:

1. Batteries
2. Commercial Items
3. Logs and Stumps
4. Concrete or cement
5. Any item requiring more than 2 men to pick up
6. Hazardous Waste
7. Liquid Waste, oil based paint, motor oil
8. Propane Tanks
9. Grass Clippings
10. Sheetrock and Demolition material**

****Sheetrock & Demolition MUST be brought to Waste Conversion, 211 Old Gate Lane, Milford, CT. It will no longer be accepted at the Transfer Station.**

The following is the *Bulk Trash Pickup* Schedule to be followed:

If your garbage day is: These are your pickup days

GARBAGE DAY		SEPTEMBER
Monday		3
Tuesday		10
Thursday		17
Friday		24

Please call the Public Works Office at 783-3265, **THE MONDAY BEFORE YOUR PICKUP** if you have White Goods, i.e. – stoves, refrigerators, dishwasher, hot water heater, etc.

Contact: Benjamin G. Blake

Mayor, City of Milford
City Hall
110 River Street
Milford, CT 06460
Phone 203 783-3201
Fax 203 783-3329
E-mail Mayor@ci.milford.ct.us
Web site www.ci.milford.ct.us

City of Milford

PressRelease

Mayor Blake Announces Christmas Tree Pickup Schedule

Recycling of Christmas Trees is Encouraged

Milford, CT, December 31, 2013: The Milford Public Works Department will pick up Christmas trees again this year. However, Mayor Benjamin G. Blake is encouraging residents to recycle their trees. Anyone wishing to recycle trees can bring them to the Walnut Beach and/or the Tri-Beach Parking Lots on Saturday, January 18, 2014 from 9:00 a.m. – 1:00 p.m. The Department of Public Works will be there to chip the trees.

For those residents who choose not to recycle their trees, the Public Works Department will pick up Christmas trees along with regular garbage pickups throughout the month of January. Trees must be cut into lengths no longer than four feet or they will not be picked up.

Contact: Benjamin G. Blake

Mayor, City of Milford
City Hall
110 River Street
Milford, CT 06460
Phone 203 783-3201

City of Milford

Press Release

Mayor Blake Announces Bulk Waste Pickup Schedule

Pickup Begins First Wednesday in May

Milford, CT, April 4, 2014 Mayor Benjamin G. Blake announced today that the City of Milford will begin its 2014 Bulk Waste Pickup Program on Wednesday, May 7, 2014, according to the attached schedule.

All homeowners are asked to honor the schedule and **not** place bulk waste at the curb any sooner than the Saturday prior to their scheduled pickup.

###

Appendix D

Stormwater Monitoring Results



General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems

Stormwater Monitoring Report Form

Please send completed form to: STORMWATER GROUP
 BUREAU OF MATERIALS MANAGEMENT & COMPLIANCE ASSURANCE
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 79 ELM STREET
 HARTFORD, CT 06106-5127

PERMITTEE INFORMATION

Town: City of Milford

Mailing Address: 70 River Rd, Milford, CT 06460

Contact Person: Robert Saley Title: _____

Phone: (203) 783-3261 Permit Registration #GSM: _____

SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): Outfall, Factory Lane BC# 162438

Please check the appropriate area description: Industrial Commercial Residential

Receiving Water (name, basin): _____

Time of Start of Discharge: _____

Date/Time Collected: 4/30/14 8:15 AM Water Temperature: _____

Person Collecting Sample: Robert Saley

Storm Magnitude (inches): _____ Storm Duration (hours): _____

Date of Previous Storm Event: _____

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	SM20 4500-H+B	6.71	Baron Consulting
Rain pH	SM20 4500-H+B	5.53	Baron Consulting
Hardness	SM20 2340C	7 mg/L	Baron Consulting
Conductivity	EPA 120.1	26.9 umhos/cm	Baron Consulting
Oil & Grease	EPA 1664A	1.2 mg/L	Baron Consulting
COD	SM20 5220D	7 mg/L	Baron Consulting
Turbidity	SM20 2130B	9.0 NTU	Baron Consulting
TSS	SM20 2540D	56 mg/L	Baron Consulting
TP	EPA 200.7	<0.1 mg/L	Baron Consulting
Ammonia	SM18 4500NH3B+C	0.84 mg/L	Baron Consulting
TKN	SM18 4500NH3B+C	1.65 mg/L	Baron Consulting
NO ₃ +NO ₂	EPA 300.0	0.18 mg/L	Baron Consulting
E. coli	SM16 909A	780 CFU/100ml	Baron Consulting

STATEMENT OF ACKNOWLEDGMENT

I certify that the data reported on this document were prepared under my direction or supervision in accordance with the MS4 General Permit. The information submitted is, to the best of my knowledge and belief, true, accurate and complete.

Authorized Official: Gary Wassner
 (Print Name)

Signature: *Gary Wassner* Date: 12/10/2014



General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems

Stormwater Monitoring Report Form

Please send completed form to: STORMWATER GROUP
BUREAU OF MATERIALS MANAGEMENT & COMPLIANCE ASSURANCE
DEPARTMENT OF ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127

PERMITTEE INFORMATION

Town: <u>City of Milford</u>
Mailing Address: <u>70 River Rd, Milford, CT 06460</u>
Contact Person: <u>Robert Saley</u> Title: _____
Phone: <u>(203) 783-3261</u> Permit Registration #GSM: _____

SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): <u>64 Mayflower Place, Outfall</u> BC# <u>162439</u>
Please check the appropriate area description: <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input type="checkbox"/> Residential
Receiving Water (name, basin): _____
Time of Start of Discharge: _____
Date/Time Collected: <u>4/30/14 8:50 AM</u> Water Temperature: _____
Person Collecting Sample: <u>Robert Saley</u>
Storm Magnitude (inches): _____ Storm Duration (hours): _____
Date of Previous Storm Event: _____

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	SM20 4500-H+B	6.56	Baron Consulting
Rain pH	SM20 4500-H+B	5.53	Baron Consulting
Hardness	SM20 2340C	5 mg/L	Baron Consulting
Conductivity	EPA 120.1	41.9 umhos/cm	Baron Consulting
Oil & Grease	EPA 1664A	<1 mg/L	Baron Consulting
COD	SM20 5220D	8 mg/L	Baron Consulting
Turbidity	SM20 2130B	8.0 NTU	Baron Consulting
TSS	SM20 2540D	36 mg/L	Baron Consulting
TP	EPA 200.7	<0.1 mg/L	Baron Consulting
Ammonia	SM18 4500NH3B+C	0.74 mg/L	Baron Consulting
TKN	SM18 4500NH3B+C	1.86 mg/L	Baron Consulting
NO ₃ +NO ₂	EPA 300.0	0.25 mg/L	Baron Consulting
E. coli	SM16 909A	>3000 CFU/100ml	Baron Consulting

STATEMENT OF ACKNOWLEDGMENT

I certify that the data reported on this document were prepared under my direction or supervision in accordance with the MS4 General Permit. The information submitted is, to the best of my knowledge and belief, true, accurate and complete.	
Authorized Official: <u>Gary Wassner</u>	(Print Name)
Signature: <u>[Signature]</u>	Date: <u>12/10/2014</u>



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 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 79 ELM STREET
 HARTFORD, CT 06106-5127

PERMITTEE INFORMATION

Town: <u>City of Milford</u>	
Mailing Address: <u>70 River Rd, Milford, CT 06460</u>	
Contact Person: <u>Robert Saley</u>	Title: _____
Phone: <u>(203) 783-3261</u>	Permit Registration #GSM: _____

SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): <u>Naugatuck Ave by VFW</u>		BC# <u>162440</u>
Please check the appropriate area description: <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input type="checkbox"/> Residential		
Receiving Water (name, basin): _____		
Time of Start of Discharge: _____		
Date/Time Collected: <u>4/30/14 9:10 AM</u>	Water Temperature: _____	
Person Collecting Sample: <u>Robert Saley</u>		
Storm Magnitude (inches): _____	Storm Duration (hours): _____	
Date of Previous Storm Event: _____		

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	SM20 4500-H+B	4.17	Baron Consulting
Rain pH	SM20 4500-H+B	5.53	Baron Consulting
Hardness	SM20 2340C	<1 mg/L	Baron Consulting
Conductivity	EPA 120.1	122.3 umhos/cm	Baron Consulting
Oil & Grease	EPA 1664A	1.5 mg/L	Baron Consulting
COD	SM20 5220D	15 mg/L	Baron Consulting
Turbidity	SM20 2130B	9.9 NTU	Baron Consulting
TSS	SM20 2540D	63 mg/L	Baron Consulting
TP	EPA 200.7	<0.1 mg/L	Baron Consulting
Ammonia	SM18 4500NH3B+C	0.63 mg/L	Baron Consulting
TKN	SM18 4500NH3B+C	2.77 mg/L	Baron Consulting
NO ₃ +NO ₂	EPA 300.0	0.18 mg/L	Baron Consulting
E. coli	SM16 909A	480 CFU/100ml	Baron Consulting

STATEMENT OF ACKNOWLEDGMENT

I certify that the data reported on this document were prepared under my direction or supervision in accordance with the MS4 General Permit. The information submitted is, to the best of my knowledge and belief, true, accurate and complete.	
Authorized Official: <u>Gary Wassner</u>	(Print Name)
Signature: <u><i>Gary Wassner</i></u>	Date: <u>12/10/2014</u>



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 79 ELM STREET
 HARTFORD, CT 06106-5127

PERMITTEE INFORMATION

Town: City of Milford

Mailing Address: 70 River Rd, Milford, CT 06460

Contact Person: Robery Saley Title: _____

Phone: (203) 783-3261 Permit Registration #GSM: _____

SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): 939 Naugatuck Ave by Pump Station BC# 162441

Please check the appropriate area description: Industrial Commercial Residential

Receiving Water (name, basin): _____

Time of Start of Discharge: _____

Date/Time Collected: 4/30/14 9:25 AM Water Temperature: _____

Person Collecting Sample: Robert Saley

Storm Magnitude (inches): _____ Storm Duration (hours): _____

Date of Previous Storm Event: _____

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	SM20 4500-H+B	6.13	Baron Consulting
Rain pH	SM20 4500-H+B	5.53	Baron Consulting
Hardness	SM20 2340C	4 mg/L	Baron Consulting
Conductivity	EPA 120.1	57.7 umhos/cm	Baron Consulting
Oil & Grease	EPA 1664A	<1 mg/L	Baron Consulting
COD	SM20 5220D	18 mg/L	Baron Consulting
Turbidity	SM20 2130B	4.0 NTU	Baron Consulting
TSS	SM20 2540D	12 mg/L	Baron Consulting
TP	EPA 200.7	<0.1 mg/L	Baron Consulting
Ammonia	SM18 4500NH3B+C	0.49 mg/L	Baron Consulting
TKN	SM18 4500NH3B+C	2.42 mg/L	Baron Consulting
NO ₃ +NO ₂	EPA 300.0	1.09 mg/L	Baron Consulting
E. coli	SM16 909A	1380 CFU/100ml	Baron Consulting

STATEMENT OF ACKNOWLEDGMENT

I certify that the data reported on this document were prepared under my direction or supervision in accordance with the MS4 General Permit. The information submitted is, to the best of my knowledge and belief, true, accurate and complete.

Authorized Official: Gary Wassner
 (Print Name)

Signature: Gary Wassner Date: 12/10/2014



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DEPARTMENT OF ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127

PERMITTEE INFORMATION

Town: <u>City of Milford</u>
Mailing Address: <u>70 River Rd, Milford, CT 06460</u>
Contact Person: <u>Robert Saley</u> Title: _____
Phone: <u>(203) 783-3261</u> Permit Registration #GSM: _____

SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): <u>Research Drive & Quarry Rd</u> BC# <u>162437</u>
Please check the appropriate area description: <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input type="checkbox"/> Residential
Receiving Water (name, basin): _____
Time of Start of Discharge: _____
Date/Time Collected: <u>4/30/14 10:00 AM</u> Water Temperature: _____
Person Collecting Sample: <u>Robert Saley</u>
Storm Magnitude (inches): _____ Storm Duration (hours): _____
Date of Previous Storm Event: _____

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	SM20 4500-H+B	6.54	Baron Consulting
Rain pH	SM20 4500-H+B	5.53	Baron Consulting
Hardness	SM20 2340C	<1 mg/L	Baron Consulting
Conductivity	EPA 120.1	30.9 umhos/cm	Baron Consulting
Oil & Grease	EPA 1664A	<1 mg/L	Baron Consulting
COD	SM20 5220D	5 mg/L	Baron Consulting
Turbidity	SM20 2130B	6.8 NTU	Baron Consulting
TSS	SM20 2540D	11 mg/L	Baron Consulting
TP	EPA 200.7	<0.1 mg/L	Baron Consulting
Ammonia	SM18 4500NH3B+C	0.35 mg/L	Baron Consulting
TKN	SM18 4500NH3B+C	1.79 mg/L	Baron Consulting
NO ₃ +NO ₂	EPA 300.0	0.22 mg/L	Baron Consulting
E. coli	SM16 909A	127 CFU/100ml	Baron Consulting

STATEMENT OF ACKNOWLEDGMENT

I certify that the data reported on this document were prepared under my direction or supervision in accordance with the MS4 General Permit. The information submitted is, to the best of my knowledge and belief, true, accurate and complete.

Authorized Official: Gary Wassmer
(Print Name)

Signature: Gary Wassmer Date: 12/10/14



General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems

Stormwater Monitoring Report Form

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BUREAU OF MATERIALS MANAGEMENT & COMPLIANCE ASSURANCE
DEPARTMENT OF ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127

PERMITTEE INFORMATION

Town: <u>City of Milford</u>
Mailing Address: <u>70 River Rd, Milford, CT 06460</u>
Contact Person: <u>Robery Saley</u> Title: _____
Phone: <u>(203) 783-3261</u> Permit Registration #GSM: _____

SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): <u>55-69 Woodmont Rd, Manhole</u> BC# <u>162442</u>
Please check the appropriate area description: <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input type="checkbox"/> Residential
Receiving Water (name, basin): _____
Time of Start of Discharge: _____
Date/Time Collected: <u>4/30/14 9:35 AM</u> Water Temperature: _____
Person Collecting Sample: <u>Robert Saley</u>
Storm Magnitude (inches): _____ Storm Duration (hours): _____
Date of Previous Storm Event: _____

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	SM20 4500-H+B	6.77	Baron Consulting
Rain pH	SM20 4500-H+B	5.53	Baron Consulting
Hardness	SM20 2340C	2 mg/L	Baron Consulting
Conductivity	EPA 120.1	107.6 umhos/cm	Baron Consulting
Oil & Grease	EPA 1664A	<1 mg/L	Baron Consulting
COD	SM20 5220D	1 mg/L	Baron Consulting
Turbidity	SM20 2130B	83 NTU	Baron Consulting
TSS	SM20 2540D	174 mg/L	Baron Consulting
TP	EPA 200.7	<1 mg/L	Baron Consulting
Ammonia	SM18 4500NH3B+C	0.49 mg/L	Baron Consulting
TKN	SM18 4500NH3B+C	2.14 mg/L	Baron Consulting
NO ₃ +NO ₂	EPA 300.0	0.29 mg/L	Baron Consulting
E. coli	SM16 909A	960 CFU/100ml	Baron Consulting

STATEMENT OF ACKNOWLEDGMENT

I certify that the data reported on this document were prepared under my direction or supervision in accordance with the MS4 General Permit. The information submitted is, to the best of my knowledge and belief, true, accurate and complete.	
Authorized Official: <u>Cary Wassmer</u>	
Signature: <u>Cary Wassmer</u>	Date: <u>12/10/14</u>