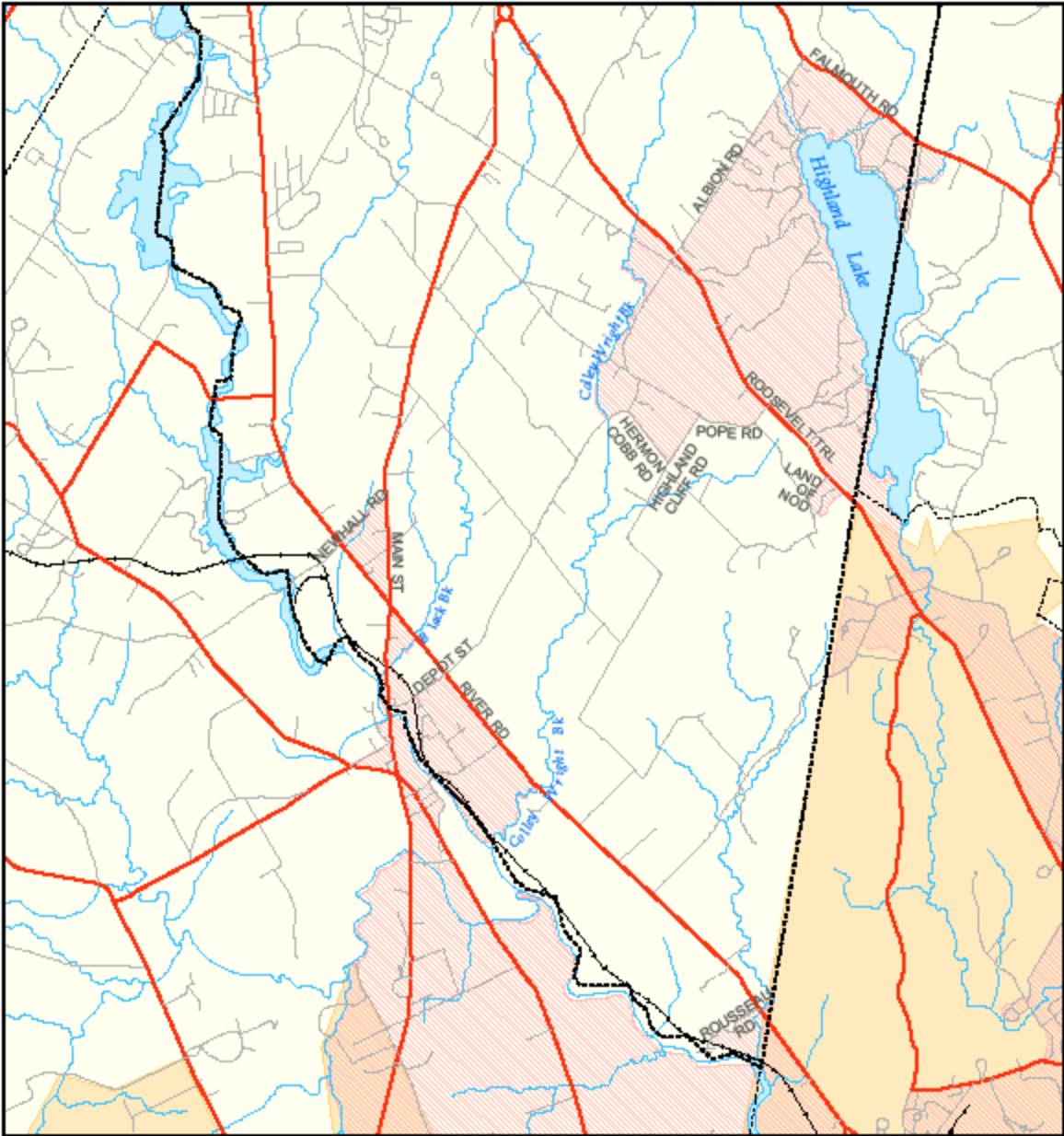


**Windham Stormwater Phase II
Permit Cycle II
Summary Report Permit Year 2
July 1, 2009 – June 30, 2010**



Area of Focus:



**NPDES Phase II Stormwater Program
Automatically Designated MS4 Areas
*Windham, Maine***

- Regulated Area (1990 Urbanized Area)
- Regulated Area (2000 Urbanized Area)
- Windham Town Boundary



Data Sources: Urbanized Area from US Census Bureau (1990 and 2000). Political boundaries from Maine Office of GIS. Hydrography from NHD. Transportation data from GDT at 1:24,000.
Map Created: June 13, 2002; US EPA- New England GIS Center
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MINIMUM CONTROL MEASURES

I. Public Education and Outreach

The Town of Windham will fulfill the requirements for Public Education and Outreach through participation in the Interlocal Stormwater Working Group (ISWG) and the Town's provision of funding to the ISWG for Public Education and Outreach services, as described in this section of the plan.

See Appendix A

II. PUBLIC INVOLVEMENT AND PARTICIPATION

The Town will fulfill the requirements for Public Involvement and Participation through participation in the Interlocal Stormwater Working Group (ISWG) and the Town's provision of funding to the ISWG for Public Involvement and Participation services, or through directly fulfilling the requirements, as described in this section of the plan.

A. Goal.

Involve the public in both the planning and implementation process of improving water quality and reducing quantity via the stormwater program.

B. Required Best Management Practices

1. Public Notice Requirement

Actions completed during Permit Year 2

Responsible party – ISWG Stormwater Program Coordinator and/or Roger Timmons, Director Code Enforcement

- 1) In June of 2008, Roger Timmons summarized the five year plan and informed the council that the Notice of Intent (NOI) had been submitted.
- 2) In May of 2009, Roger Timmons gave a presentation summarizing the status of the Stormwater Phase II Program and requested funding for Permit Year 2.
- 3) The Town of Windham provides public notices for all Town Activities and projects and follows applicable public notice requirements.

2. Host Public Events

Actions completed during Permit Year 2

Responsible party – ISWG Stormwater Program Coordinator and/or Roger Timmons, Director Code Enforcement/Douglas Fortier, Public Works Director

- 1) The Department of Public Works coordinated with the Cumberland County Soil & Water Conservation District to complete storm drain stenciling with a youth group. The stenciling

occurred in June of 2010 and the group stenciled 100 storm drains and distributed 48 Yardscaping door hangers..

- 2) The Town of Windham considers it a high priority to protect Highland Lake water quality and as a result supports the Highland Lake Conservation Project as well as the Forest Lake, Little Sebago Lake and Pleasant River Conservation Projects.

Highland Lake Conservation Project Phase III

The primary purpose of this project is to significantly reduce erosion and export of sediment and phosphorus into Highland Lake. During Permit Year 2 conservation practices that reduce erosion and polluted runoff have been installed at 7 high and medium impact NPS sites throughout the watershed. The Casco Bay Youth Conservation Corps (YCC) program completed a total 5 sites. The project continues to raise awareness about watershed problems through technical assistance to watershed landowners and works to foster long-term watershed stewardship. Accomplishments included:

- 2 Power Point Presentations to the Highland Lake Association Annual Meeting and Pride Farm Road Improvement Association
- The Highland Lake Community Forum was held on September 19th with over 50 watershed residents participating.
- Follow up action workgroups have been scheduled
- Conducted 34 best management practice inspections

As the Highland Lake Association, the Towns of Windham and Falmouth and community members join forces to solve erosion problems in their neighborhood, the lake's water quality benefits increase. This project, the final phase, will be completed in the fall of 2010.

Forest Lake Association Project – Phase II

This project was completed in December 2009 and the purpose of this project was to significantly reduce erosion and export of sediment and phosphorus into Forest Lake. The project also raised awareness about watershed problems and fostered long term watershed stewardship. Project partners include Forest Lake Association, Cumberland County Soil & Water Conservation District, and the Towns of Windham, Gray and Cumberland.

Accomplishments include:

- 2 steering committee meetings held
- 1 Forest Lake Association Annual Meeting presentations
- 3 residential sites were addressed by the Casco Bay YCC
- Final Project Brochure completed and distributed

Thanks to the commitment of the Forest Lake Association, the Towns of Windham, Cumberland and Gray and all the residents in the watershed. The success of projects like these is due to the established partnerships within the watershed.

Little Sebago Lake Conservation Project - Phase III

This project began in January 2010 and the primary purpose of the project is to significantly reduce erosion and export of sediment and phosphorus into Little Sebago Lake. Conservation practices that reduce erosion and polluted runoff will be installed at a numerous sites throughout the watershed. During this permit year, accomplishments include:

- One Steering Committee Meeting
- Site list has been confirmed and prioritized
- Engineered designs were completed for one road
- Eight technical assistance visits were conducted
- Power Point Presentation provided to the Windham Town Council and the Little Sebago Lake Private Road Network

Pleasant River Watershed Survey

This project was completed in September of 2009. The purpose of the Pleasant River Watershed Survey was to identify, document and prioritize polluted runoff sites in the watershed and to recommend Best Management Practices (BMPs) that can be installed to mitigate problems at each of these sites.

In total, 95 sites identified were identified as having erosion problems. Of these, 49 were documented as being high priority, 28 medium priority, 14 low priority and 4 were unrated.

These land use sites included:

- 33 town road sites
- 14 private road sites
- 12 residential sites
- And the remaining included state road, agriculture, construction sites, trail, paths, boat access and school sites

Thanks to the commitment of the Towns of Windham and Gray and all the residents in the watershed. Partners for this project also included Presumpscot River Watch, Cumberland County Soil & Water Conservation District, AmeriCorps, Maine Bean, the Windham Hannaford and Shaws and Windham High School. The success of projects like these is due to the established partnerships within the watershed.

III. Illicit Discharge Detection and Elimination

Goal

Develop, implement and enforce a program to detect and eliminate illicit discharges and non-stormwater discharges.

Prior actions: The Town of Windham passed a Non-Stormwater Discharge Ordinance on February 11, 2005.

B. Required Best Management Practices

1. Develop a watershed based storm sewer system infrastructure map.

Actions completed during Permit Year 1 & 2

1. Maps were developed and reviewed during Permit Year 1 and include all junk yards with the town and maintains a list that includes owner name, location and map and lot.

Responsible Party – Code Enforcement Office

- 1) **Additional Activities: “Public Complaint Hotline”** The Town has a formal system to address public complaints. Complaints are received thru email and phone calls to the Code Enforcement Department and Public Works Department. A complaint was received on April 8, 2010 for the location of 11 Main Street in Windham, Map 038 Lot 048. Complaint said it appeared that paint was being washed into the stormdrain. Code Enforcement followed up with landowners. No painting was taking place. Work consisted of repointing the brick wall including grinding motor joints. This created red dust that was being washed rather than swept from the sidewalks. The contractor agreed to sweep the paved areas rather than hose them down.

2. Develop dry weather outfall inspection program.

Prior Actions:

The Town of Windham has:

- Developed a SOP for dry weather outfall inspection program;
- Developed forms and put a data collection system in place for dry weather outfall inspections;
- Established a mechanism to train staff, as needed, on how to conduct and record dry weather inspections; and

- Established a protocol that identifies the steps that must be taken when an illicit discharge is encountered.

The Town of Windham has 40 outfalls in the urbanized area.

Actions Completed During Permit Year 2

Responsible Party - Douglas Fortier, Director Public Works

- 1) The Town completed their dry weather outfall inspections between August 19, 2009 and September 1, 2009, October 21, 2009 and finished May 27, 2010. There were no major illicit discharges or concerns identified in Permit Year 2. Opportunistic inspections are completed in the course of daily work.

4. Open ditch Illicit Discharge Program

Actions Completed During Permit Year 2

Responsible Party - Douglas Fortier, Director, Public Works

- 1) No work was required for Permit Year 1 & 2.

IV. Construction Site Stormwater Runoff Control

Goals

Develop, implement, and enforce a program, to reduce pollutants in any stormwater runoff to the regulated small MS4 from construction activities that result in a land disturbance of greater than or equal to one acre. For specific permit requirements and suggestions, refer to MDEP's General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems Part IV(H)(4).

Per General Permit Part IV(H)(4a.), the permittee will rely on the Maine Construction General Permit or Chapter 500, Stormwater Management.

B. Required Best Management Practices

1. Notification to construction site developers and operators of the requirements for registration under the Maine Construction General Permit or Chapter 500, Stormwater Management for the discharge of stormwater associated with construction activities;

Actions Completed During Permit Year 2

Responsible party - Roger Timmons, Director Code Enforcement

- 1) The Town continued notification procedures currently in place using the modified building permit and shoreland zoning applications that alert applicants to the MCGP triggers.
- 2) The Town received and issued thirty Shoreland Zoning Permits, seven Internal Plumbing Shoreland Permits, one septic system shoreland permit, eight Shoreland application review permits and five Soil & Erosion Shoreland Permits.
- 3) The Town currently has four Shoreland Zoning unresolved violations and or complaints. One complaint was a result of buckets of grease being stored, and the remaining violations ranged from illegal tree cutting, a septic system installation which was thought to not have permits, and

stormwater runoff being diverted away from daycare center.

4) The Town also evaluates the current system and modifies if needed.

2. Develop and implement a mechanism to annually document every construction activity that disturbs one or more acres within the Urbanized Area.

Actions Completed During Permit Year 2

Responsible party - Roger Timmons, Director Code Enforcement

1) A tracking system is in place for all activity that disturbs one or more acres. The Town continues to utilize third party inspections.

3. Develop and implement a construction site inspection program.

Prior Actions:

The Town of Windham has:

- Developed a procedure for construction site inspections by either a municipal official or a contracted third party to meet the terms and conditions of the MS4 General Permit.
- Developed a standardized inspection form to ensure documentation of all required inspections.
- Developed a process for tracking and notifying the site developer or contractor of noncompliance issues. For sites that are not in compliance, the inspector(s) will provide site operators with guidance on how to come into compliance. Sites that are not brought into compliance within the inspector's specified time period shall be issued a written notice of deficiencies. Continued noncompliance will be reported to the DEP with supporting documentation.
- Developed and implemented (as needed) a training program for municipal inspectors.

Actions Completed During Permit Year 2

Responsible party –Roger Timmons, Director Code Enforcement

1) The Town continues to implement its inspection program for each activity that disturbs one or more acres. Results are documented in a record keeping system and during Permit Year 2 the Town did not have any sites to inspect.

V. Post-Construction Stormwater Management

A. Goal (within the Urbanized Area)

Develop, implement and enforce a program to address stormwater runoff from new development and redevelopment projects that disturb greater than or equal to one acre, including projects less than one acres that are part of a larger common plan of development or sale, that discharge into the City's MS4.

B. Required Best Management Practices

1. Implement ordinance or similar measure

Actions Completed During Permit Year 2

Responsible Party - Roger Timmons, Director Code Enforcement

1. Develop and implement an inspection program for post-construction BMPs for which the owner or operator has not hired a qualified third party inspector, and which are located in the direct watershed of a lake most at risk from new development or in watersheds of an urban impaired stream.

Actions Completed During Permit Year 2

Responsible Party - Roger Timmons, Director Code Enforcement

- 1) Inspections have been made conditions of approval through the planning process.

VI. Pollution Prevention/Good Housekeeping for Municipal Operations

A. Goal

This program has the ultimate goal of preventing or reducing pollutant runoff from municipal operations.

B. Required Best Management Practices

1. Operations at municipally owned grounds and facilities.

Actions Completed During Permit Year 2

Responsible Party - Douglas Fortier, Director of Public Works

The Town of Windham has developed the inventory tracking documents necessary for all municipal operations.

- 1) Operations and Maintenance Plans for Landscaping practices, Pump stations, Fire stations and Forested areas & trails have been developed. The Town of Windham is collaborating with other ISWG communities to develop training programs for staff on various O & M procedures.

2. Municipal employee training.

Actions Completed During Permit Year 2

Responsible Party - Roger Timmons, Director Code Enforcement

- 1) Roger Timmons attended five and Douglas Fortier attended six ISWG meeting during Permit Year 2. In addition, five employees participated in the IDDE training held in the spring of 2010 and seven employees participated in the SWPPP training in April of 2010.

3. Street sweeping.

Actions Completed During Permit Year 2

Responsible Party - Doug Fortier, Director Public Works

- 1) All municipal streets that have winter sand accumulation and are in need of street sweeping are swept annually between April and June or July depending on spring rains. All school grounds are also swept. Approximately 1000 cubic yards of material was collected through street sweeping. Residuals are deposited in the old town gravel pit.

4. Cleaning of stormwater structures including catch basins.

Actions Completed During Permit Year 2

Responsible Party - Doug Fortier, Director Public Works

- 1) The Town cleaned 676 basins in 2009/2010.

5. Maintenance and upgrading of stormwater conveyances and outfalls.

Actions Completed During Permit Year 2

Responsible Party - Doug Fortier, Director Public Works

- 1) The Town inspected and cleaned 676 basins.
- 2) The Town continues to install ditching on Route 202. The Town continues to inspect and evaluate all stormwater structures and outfalls in the MS4 area and prioritizes repairs and upgrades in conjunction with their paving and maintenance schedule.

6. Stormwater Pollution Prevention Plans (SWPPP's)

Actions Completed During Permit Year 2

Responsible Party - Doug Fortier, Director Public Works

- 1) The Town Public Works facility has a Stormwater Pollution Prevention Plan completed by Environmental Engineering and Remediation, Inc in February 2006.
- 2) The Town thought they would partner with the Cumberland County Soil & Water Conservation District to develop a SWPPP for the South Windham Fire Barn but the MDEP conveyed that it was not needed.

Actions Completed During Permit Year 2

Responsible Party - Roger Timmons, Director, Code Enforcement and Doug Fortier, Director, Public Works in collaboration with Cumberland County Soil & Water Conservation District

- 1) SWPPP training was hosted by Windham and So Portland on April 29 and May 7th respectively. The training was provided by Alison Moody, DEP and included a classroom portion as well as a field visit to the South Portland Public Works and School Bus Maintenance facility. The following employees attended the SWPPP training; Ashley Berard, Roger Timmons, Rob Pendleton, Doug Fortier, Tom Lyster and Rene Carter.

APPENDICES

A. Public Education and Outreach Report

APPENDIX A: Permit Year 2 Summary of Minimum Control Measure 1

Stormwater Awareness Plan Implementation

| Outreach Tool | Status | Details |
|---|----------|---|
| Exposure - to be in compliance, implement A1 and one activity utilizing printed media (A2, A3 or A4) or other activity (A6). | | |
| A 1 - Run the ducky ad for 3 weeks | complete | The ducky ad ran on local television stations from August 10th through August 28th. The ad's estimated reach was 99% and frequency was 6.2. |
| A2 - Distribute posters at municipal offices, libraries, local hotspots (coffee/sandwich shops) | complete | Each ISWG community received 39 "Follow the Flow" posters, which were distributed throughout their community. |

| | | |
|---|----------|--|
| Retention - to be in compliance, implement B1 & B2; no additional activities required. | | |
| B1 - prominent links established on municipal and partner websites | complete | All websites for ISWG communities feature a link to www.thinkbluemaine.org . |
| B2 - article in local newspaper and/or town newsletter | complete | A press release about "following the flow" of spring runoff was submitted to the following publications: <i>Northern Forecaster</i> (Freeport, Yarmouth, Falmouth & Cumberland), <i>Portland Daily Sun</i> (Portland), <i>Southern Forecaster</i> (Cape Elizabeth, South Portland & Scarborough), <i>Independent</i> (Windham), <i>American Journal</i> (Gorham & Westbrook), <i>Courier</i> (Biddeford, Saco & OOB) |

| | | |
|---|--|--|
| Acceptance - no implementation of acceptance measures required for compliance in Permit Year II. | | |
|---|--|--|

| | | |
|--|----------|--|
| Stormwater Managers' Toolbox - CCSWCD developed stormwater managers' toolbox on behalf of the 28 regulated communities. | | |
| Develop toolkit - poster, brochure, door hangers, print ads, PowerPoint presentation, and storm drain stencil (at a minimum) | complete | All outreach materials are available in the watershed managers' toolbox on www.thinkbluemaine.org |
| Compile partner network contact list (water districts, NGOs, conservation commissions, etc.) | complete | CCSWCD staff compiled a list of partners for each MS4 cluster/area. The list was distributed to MS4s in May. The individual communities/clusters/areas are now responsible for maintaining their list. |
| Coordinate media buy for the ducky ad | complete | CCSWCD staff worked with Burgess Advertising to coordinate the ducky media campaign. All MS4 communities contributed to the buy. |
| Refine awareness materials and tracking mechanisms, coordinate printing. | complete | New awareness materials were developed and existing materials were refined; CCSWCD staff tracked web hits on the www.thinkbluemaine.org website (an increase in hits was seen when the ducky ads were running); printing of the "Follow the Flow" posters was coordinated by CCSWCD, and posters were distributed to MS4 clusters/areas in September 2009. |
| Refine website toolbox | complete | New and updated outreach materials were uploaded to the www.thinkbluemaine.org toolbox as they became available. |

Best Management Practices Adoption Plan Implementation

| Task | Status | Details |
|---------------------------------------|----------|---------|
| Reporting | | |
| Summarize plan implementation to date | complete | |

Point of Sale

| | | |
|--|----------|--|
| Enlist additional stores into the YardScaping Point of Sale program (goal is 21 stores in 14 ISWG communities) | complete | Eleven of the 14 ISWG communities now have Point of Sale locations. The exceptions include Biddeford (the two stores contacted declined the invitation to participate), Cape Elizabeth (no relevant retail locations in this community) and Old Orchard Beach (the store contacted initially said they were interested but failed to follow through with numerous attempts to meet). There are currently 19 Point of Sale locations in the ISWG communities, distributed as follows: |
| | | Biddeford: 0 |
| | | Cape Elizabeth: 0 |
| | | Cumberland: 1 |
| | | Falmouth: 2 |
| | | Freeport: 1 |
| | | Gorham: 2 |
| | | Old Orchard Beach: 0 |
| | | Portland: 2 |
| | | Saco: 1 |
| | | Scarborough: 2 |
| | | South Portland: 3 |
| | | Westbrook: 1 |
| | | Windham: 1 |
| Yarmouth: 3 | | |
| Program tracking | complete | CCSWCD staff requested sales information from all point of sale stores. Please see the summary of sales information below. |

Adult Education

| | | |
|---|----------|--|
| Offer a minimum of six adult education classes per year | complete | South Portland: 8/4/09, lunch & learn at National Semiconductor, 20 participants |
| | | Scarborough: 9/9/09, class cancelled due to low registration |
| | | Yarmouth: 9/16/09, seven participants |
| | | Cape Elizabeth: 9/23/09, class cancelled due to low registration |
| | | Buxton Garden Club (includes members from Gorham, Saco & Scarborough): 10/8/09, 11 participants |
| | | South Portland Garden Club: 10/14/09, 19 participants |
| | | Scarborough: 3/24/10, seven participants |
| | | Gorham: 4/7/10, class cancelled due to low registration |
| | | Old Orchard Beach: 4/14/10, eight participants |
| Windham: 6/9/10, eight participants | | |
| Promote adult education classes | complete | Press releases publicizing the available classes were submitted to local publications, additional information was published on CCSWCD's YardScaping website and in local adult education brochures. Point of sale partner stores also posted fliers advertising the classes in their stores. |

| Task | Status | Details |
|-----------------------|----------|--|
| Track behavior change | complete | CCSWCD staff documented class evaluations and contacted past adult education class participants to determine which YardScaping practices were implemented. Please see summary of behavior change reported by participants of PY1 classes, as well as those practices participants of PY2 classes intend to implement, below. |

Targeted Information Distribution

| | | |
|---|----------|--|
| Distribute information to priority neighborhoods (minimum of 50-100 households in size) in each ISWG community. | complete | YardScaping information was distributed throughout priority neighborhoods in each ISWG community. The following number of households received information: |
| | | Biddeford: 62 |
| | | Cape Elizabeth: 56 |
| | | Cumberland: 74 |
| | | Falmouth: 51 |
| | | Freeport: 50 |
| | | Gorham: 131 |
| | | Old Orchard Beach: 88 |
| | | Portland: 537 |
| | | Saco: 87 |
| | | Scarborough: 58 |
| | | South Portland: 57 |
| | | Westbrook: 67 |
| | | Windham: 50 |
| Yarmouth: 61 | | |

Websites & Free Media

| | | |
|--|----------|---|
| maintain CCSWCD YardScaping website | complete | CCSWCD maintained the YardScaping website and tracked hits. Increased hits were seen after targeted neighborhood outreach efforts, storm drain stenciling events, and the Portland Flower Show. |
| Newspaper coverage of YardScaping activities and healthy lawn care | complete | <i>Portland Press Herald</i> : After disappointing season, partnership will sow wildflowers in the snow (November 9, 2009) |
| | | <i>Portland Press Herald</i> : Film on pesticides worth being seen by all Mainers (January 18, 2010) |
| | | <i>Portland Press Herald</i> : New ideas on nourishing the lawn (February 28, 2010) |
| | | <i>Portland Press Herald</i> : For a bloomin' beautiful Maine garden this season, go native, of course (March 28, 2010) |
| | | <i>The Forecaster</i> : Saving the environment, one chemical-free lawn at a time (March 11, 2010) |
| | | <i>Portland Press Herald</i> : Green wave washes over America's backyards (May 16, 2010) |
| | | <i>Portland Press Herald</i> : Talk about peer pressure: It's a bug-eat-bug world out there today (May 30, 2010) |
| | | <i>Portland Press Herald</i> : Landscaping with a desire for a healthy planet (June 20, 2010) |

Neighborhood YardScape Socials

| | | |
|---|----------|---|
| Hold a minimum of zero neighborhood socials in the ISWG communities | complete | No neighborhood socials were done this permit year. |
|---|----------|---|

Point of Sale – Program Tracking

During the fall of 2009, CCSWCD staff requested sales information from the 13 point of sale partner stores. Only three stores were equipped to provide the sales information requested. Below is a summary of the relevant sales information from Freeport True Value, Goff’s Hardware and Drillen Hardware.

| | | Units sold | | |
|---------------------|----------------------|------------|------|------|
| Freeport True Value | | 2007 | 2008 | 2009 |
| | Weed & Feed | 46 | 33 | 30 |
| | Low Maintenance Seed | 35 | 37 | 41 |
| Goff's Hardware | | | | |
| | Weed & Feed | 32 | 30 | 30 |
| | Low Maintenance Seed | 27 | 27 | 32 |
| | Corn Meal Gluten | 0 | 1 | 2 |
| Drillen Hardware | | | | |
| | Weed & Feed | 41 | 39 | 40 |
| | Low Maintenance Seed | 49 | 44 | 53 |
| | Corn Meal Gluten | 4 | 7 | 9 |
| | Bagged Compost | 32 | 33 | 36 |

While there seems to be a slight declining trend in the sale of weed and feed products and an increase in the sale of YardScape recommended products, it is unclear if these trends can be associated with YardScaping outreach efforts.

Adult Education – Behavior Change Tracking

During the fall of 2009, CCSWCD staff made follow up phone calls with participants of YardScaping adult education classes held in the fall of 2008 and spring of 2009 (PY1 who provided their contact information on class evaluations in order to determine the level of follow through of the YardScaping practices class participants intended to use. As expected, it was difficult to reach people. But the information gleaned from those who were reached provided an anticipated rate of compliance for the YardScaping practices that class participants intended to implement.

| Follow up from Permit Year 1 YardScaping Classes | | | |
|--|-------------------|----------------------|-------------------|
| Lawn Care Practice | Plan to implement | Implemented practice | % behavior change |
| Set Mower to a height of 3" | 42 | 42 | 100.0% |
| Leave grass clippings | 27 | 25 | 92.6% |
| Sharpen mower blades | 35 | 31 | 88.6% |
| Aerate | 58 | 33 | 56.9% |
| Topdress | 63 | 37 | 58.7% |
| Overseed | 63 | 37 | 58.7% |

| | | | |
|------------------------------|----|----|-------|
| Use low maintenance seed | 67 | 52 | 77.6% |
| Get a soil test | 62 | 42 | 67.7% |
| Use nitrogen-only fertilizer | 54 | 37 | 68.5% |
| Use compost tea | 47 | 16 | 34.0% |

Follow up phone calls are made six months to a year after the class to allow participants a growing season to implement the recommended practices. Below are the results of the post-class evaluations completed by the YardScaping class participants.

| Permit Year 2 YardScaping Class Statistics | | | |
|--|-------------------|----------------------------|-------------------------|
| Lawn Care Practice | Plan to implement | Currently do not implement | % planning to implement |
| Set Mower to a height of 3" | 19 | 19 | 100.0% |
| Leave grass clippings | 15 | 19 | 78.9% |
| Sharpen mower blades | 20 | 20 | 100.0% |
| Aerate | 34 | 41 | 82.9% |
| Topdress | 35 | 47 | 74.5% |
| Overseed | 35 | 36 | 97.2% |
| Use low maintenance seed | 43 | 45 | 95.6% |
| Get a soil test | 35 | 44 | 79.5% |
| Use nitrogen-only fertilizer | 37 | 44 | 84.1% |
| Use compost tea | 33 | 49 | 67.3% |

CCSWCD staff will contact the class participants from the Permit Year 2 classes in the fall of 2010 to determine which behaviors have been adopted.

- July 2009 – Town distributed 8.5x11 fliers of the “Follow the Flow” posters to all residents in the community through their municipal recycling pick up.
- July 2009 – Most municipal vehicles display Think Blue Maine ducky logo stickers.
- September 12, 2009 – Community Watershed Forum held for residents of Highland Lake to discuss conservation issues and update the Lake’s watershed management plan. Approximately 50 people attended.
- June 9, 2010 – YardScaping presentation provided at the Windham Public Library as part of the water-themed adult summer reading series. Approximately 8 people attended.
- June 30, 2010 – Casco Bay Youth Conservation Corps and local volunteers stenciled 100 storm drains in South Windham and in residential neighborhoods throughout the Town.

BMP 1.6 School Outreach

The following is a summary of education activities completed in each ISWG community during the 2009-2010 school year. Activities were provided by the following and are noted by the organization’s acronym:

CCSWCD: Sarah Plummer, Education Coordinator, Cumberland County Soil & Water Conservation District, sarah-plummer@cumberlanswcd.org, 207-892-4700 x 107

PWD: Lynne Richard, Education Coordinator, Portland Water District, lrichard@pwd.org, 207-774-5961 x 3324

Windham

Total students: 486

Total contact hours: 2,954

Lesson topics: Planning and conducting “Ecocentricity” event where high school students taught lessons to middle schoolers – included lessons about geology, water, soil, atmosphere, and ecology with a conservation focus on each topic; trout field study and release event including education about nonpoint source pollution, water quality, and watersheds; wetlands; various lessons included information about nonpoint source pollution, human impact, watershed characteristics, stormwater, low impact development, and behavior change.

Schools: Windham High School, Windham Middle School

Educators: CCSWCD, PWD