

**WA DEPARTMENT OF ECOLOGY  
WATER QUALITY PROGRAM  
PROGRESS REPORT FORM**

**Funding Source:**    319    Centennial    DIF    Revolving Fund  
                           Reclaimed Water        Stormwater

**Grant/Contract/Loan Number:** G0800631

**Project Title:** Mason County Stormwater Management Program Funding and Improvement/ Urban Water Quality LID Retrofit Project

**Project Period:**       January 31, 2008 to June 30, 2012  
                                  (Start and end date from grant agreement)

**Recipient Organization:** Mason County

**Recipient Project Manager:** Loretta Swanson / Charlie Butros  
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**Reporting Period:**   January 1, 2011 to March 31, 2011

**Date This Form Was Prepared:**   April 21, 2011

**Ecology Contacts:**

Regional Project Manager: Deborah Cornett, (360) 407-7269 Regional Office  
Financial Manager:       Melanie Tyler, (360) 407-7039 Lacey Office

**Funding:** Total Eligible Cost:               \$ 1,000,000  
              Total Ecology Award:            \$ 750,000  
              Total Expenditures to Date:   \$ 645,251

**Task and Milestone Achievements** (for current reporting period only)

- Task 2A       Conducted "Protecting Your Property from Stormwater" workshop 03/10/2011
- Task 2B       Completed an updated gap analysis to aid development of the funding plan.
- Task 3        Completed preparation of the bid package for Phase II of the Belfair stormwater LID retro-fit project.

## **Task 1: Project Administration / Management**

Total Eligible Cost                \$30,000  
Total Expenditures to Date:    \$10,588

### **Administration**

A request for a one-year extension of grant funding for this project was submitted to Ecology in March. The requested extension will allow additional time to accomplish the following:

- Provide for thorough public review and involvement in the development and establishment of a preferred funding mechanism. This effort is crucial to the success of establishing a new funding mechanism.
- Develop, select, and implement a self-sustaining funding mechanism that will finance efforts to protect, restore and enhance Mason County water quality.
- Develop and implement an IDDE ordinance.
- Complete one additional LID retrofit project in Hoodspoint.

### **Coordination**

The Stormwater Work Group continued regular meetings during this quarter (typically held on the first and third Thursdays). In addition to the regular meetings, several meetings were held between the Stormwater program Coordinator and Work group participants to ensure accuracy of the Gap Analysis information.

Consultant coordination occurred on a regular basis, with an emphasis on completing the Gap Analysis and gathering required financial information for Henderson, Young and Company.

## **Task 2: Program Implementation**

Total Eligible Cost                \$390,000  
Total Expenditures to Date:    \$326,624

### **A. Public Education and Outreach:**

**Stormwater Task Force** (Meetings January 20<sup>th</sup> (Cancelled), February 17<sup>th</sup>, and March 14<sup>th</sup>)  
Citizen Stormwater Task Force activities for this quarter included the review of major elements of a stormwater program (Key NPDES Municipal Phase II Permit Requirements):

- Controlling Runoff / Ordinance Implementation
- Water Quality Monitoring and TMDLs
- Capital Construction Projects
- Public Education/Outreach
- Programmatic Elements

Reviews of these elements were opened to discuss current levels of effort, future permit requirements, and estimated costs for major program elements.

WSU Mason County Extension and Mason Conservation District staff attended and participated in the two Stormwater Task Force meetings. WSU staff took minutes for one of the meetings this quarter (January meeting cancelled, February 17<sup>th</sup> and March 14<sup>th</sup>). Minutes were prepared and provided back to the Stormwater coordinator for distribution to the Task Force members

Two Education Sub-Committee meetings were held during the quarter to refine the Public Education and Involvement Plan and to gather input from Task Force members on education strategies and review the OTAK Matrix. The meetings were held on February 14<sup>th</sup> and 17<sup>th</sup>

## Coordinated Education and Outreach Campaign – new PSSH Grant

WSU Mason County Extension, the Mason Conservation District and Mason County Public Works collaborated on small grant proposal from the Puget Sound Partnership which has resulted in a \$10,000 grant to help implement the Puget Sound Starts Here campaign in Mason County.

WSU Extension staff and the Stormwater Program Coordinator attended a board meeting of the Mason County Transit Authority and made a presentation introducing the project and gaining approval for a city bus sign campaign. Unfortunately, due to state budget cuts this grant has been cut and will no longer be able to be implemented.

## Stormwater Website

With the basic website setup for Stormwater, discussions continue on additional website needs.

The stormwater website can be found here:

<http://www.co.mason.wa.us/stormwater/>

## Community Volunteer Program

- MCD Staff held a workshop on “Stormwater Management and Native Plants” on January 4<sup>th</sup>, 2010 in Belfair.
- The Friends of the Shelton Timberland Library hosted an evening stormwater workshop on March 10, 2011. A panel of representatives was on hand to present various aspects of managing stormwater on private property.

Protecting Your Property from  
**Stormwater**


Concerned about runoff on your property during heavy rainstorms? Learn low impact and cost-saving tips to protect your land, smart techniques to manage stormwater and basic concepts for shoreline stewardship at this workshop presented by local agency experts. Bring your questions.

**Thursday  
March 10  
5:30–7:30 p.m.**

*For adults*

*Participating agencies*  
Mason Conservation District  
WSU Extension  
Mason County Public Works Department  
Mason County Community Development Department

*This program is sponsored by the Friends of the Shelton Timberland Library. This event takes place outside regular hours and the library will only be open for the program.*

 **Shelton Timberland Library**  
William G. Reed Public Library  
710 W. Alder Street; 360-426-1362; [www.TRL.org](http://www.TRL.org)

### **Shoreline Property Owners**

- WSU Shore Stewards in Mason County (529 individuals) received three e-newsletters during the reporting period on 1) Creosote, 2) Salmon in the Nearshore and 3) How Bluffs Nourish Beaches.
- Technical assistance was provided to several residences and contact information for the SW coordinator was forwarded on as appropriate.
- Two On-Site Septic System Workshops were provided to Mason County Residents during the quarter: February 3, 2011 in Belfair and on March 16, 2011 in Shelton with approximately combined 60 participants.
- MCD provided technical assistance to 3 landowners this quarter, resulting in two stormwater management plans.

### **LID Retrofit**

Mason County Public Works and the Squaxin Island Tribe have begun discussions and preliminary scoping of another potential Filterra installation site in Allyn.

### **B. SWMP Funding Plan**

This marks the third quarter of work carried out by Otak, to assist the County in evaluating potential revenue sources to fund a long-term stormwater and water resources program. Mason County and the Otak team:

- Finalized the Gap Analysis;
- Began work on Tech Memo #1A describing potential revenue sources;
- Strategized timing, content, and method for presenting Tech Memo #1A to Board, SWTF, and public;
- Planned for Tech Memo #1B and #2.

### **C. Develop and Implement Legal Authorities and Train Staff**

Team meetings were initiated this quarter with Community Development staff for the purpose of advancing understanding and implementation of stormwater-related ordinances. The Stormwater Program Coordinator and other Public Works personnel have attended.

### **D. GIS based Water Quality Mapping**

Mason County Public Works GIS staff and the Stormwater Coordinator met several times during this quarter to

1. Identify work products needed this year, and ensure that adequate time is budgeted by GIS personnel, and
2. Assist with scoping GIS costs associated with a future program, so they can be accurately reflected in the gap analysis.

Meetings also occurred between GIS, Stormwater Program Coordinator, and the Planner leading the Shoreline Master Plan update to ensure coordinated data layers (aquifer recharge areas, percent impervious, etc.)

Additionally, Mason Conservation District staff members are working with GIS staff on the preparation of a Countywide Low Impact Development Facility map.

### **Task 3: Stormwater Retrofit, LID Projects, and Planning**

Total Eligible Cost                \$580,000  
Total Expenditures to Date:    \$308,069

Three retrofit project sites have been selected. Project status for each site is described below:

#### **BELFAIR**

Most of Task 3 work occurred on the Belfair project during this quarter. Engineering staff began preparation of bid documents to solicit from five contractors off the Small Works Roster.

#### **ALLYN**

Engineering staff received copies of the consultant design report and preliminary design to begin review and comment prior to submittal to Ecology.

#### **HOODSPORT**

Engineering staff received copies of the consultant design report and preliminary design to begin review and comment prior to submittal to Ecology.

#### **QAPP Modification Request**

Department of Ecology, Mason County Public Works, and Mason County Public Health met at the beginning of January to discuss the QAPP modifications. On January 13, 2011 Julie Lowe, ECY gave written approval to the changes discussed. The modifications are only to the Stormwater Monitoring Plan. Basically, Phase II has been skipped. We are now focusing on five sites with the greatest pollution concerns. Eliminating Phase II means we will sample five sites, instead of ten, during three storm events between now and June 30, 2011. The sampling parameters didn't change. A few of the sites monitored in Phase I have been chosen for stormwater retrofits. Monitoring has been halted at those sites since the decision to fund a retrofit has already been made.

Mason County Public Works and Mason County Public Health Water Quality reviewed current monitoring and inspected the stormwater retrofit locations in Belfair.

#### **Tasks/Milestones not achieved and why:**

#### **Potential Future Challenges to Performance** (time delays, staff changes, etc.)

#### **General Comments**

**List the cumulative totals for all numerically measurable accomplishments for this calendar year**  
(Example: amount of riparian area planted, length of fencing installed, technical assistance, conservation plans, etc)