

**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, 2011
(Start and end date from grant agreement)

Recipient Organization: Mason County

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Reporting Period: October 1, 2009 to December 31, 2009

Date This Form Was Prepared: January 27, 2010

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: \$ 99,657.83

Task and Milestone Achievements (for current reporting period only)

Task 1: Project Administration / Management
Nothing new to report for this quarter.

Task 2: Program Implementation

- Mason Conservation District created two "Stormwater Technical Assistance Memos" for distribution to the public (Installing French & Curtain Drain Systems, Driveway Culverts for Stormwater Management).

- Mason Conservation District provided direct technical assistance for stormwater problems to four Mason County residents.
- Mason Conservation District published a stormwater management page in the "Winter 2010" edition of *Watershed Wise Newsletter*, distributed to County residents.
- WSU Extension and Mason Conservation District continue the development of the Mason County Stormwater Education and Outreach Plan (10/29/09, 12/2/09, and 12/11/09).
- WSU Extension and Mason Conservation District presented a draft Countywide Stormwater Education Plan for review and comments to the Mason County Stormwater Group (12/17/09).
- Mason County Stormwater Implementation Group meetings (10/8/09, 10/22/09, 11/12/09, 12/3/09, and 12/17/09). Attendees: WSU Extension, Mason Conservation, and County staff members
- Outreach was conducted at the Mason County Oysterfest (Shelton, 10/3/09-10/4/09) and the Oakland Bay Open House at Pioneer Middle School (10/20/09). Information regarding the following stormwater related topics was distributed: fertilizer use, septic maintenance, raingarden installation, use of native plants, and low impact development techniques.
- WSU Extension participated in a day of environmental education with youth at Oysterfest' Kids' Day (10/2/09, 250 kids) teaching about stormwater related issues using the "Watershed Model."
- A Rain Garden Workshop was held on 10/29/09 at the North Mason School District. Approximately 50 area residents attended this workshop.
- A Septic System Maintenance Workshop was held on 11/16/09 at Pioneer Intermediate School.
- Prepared an article about raingardens that included a press release for the Rain Garden Workshop that was published in the Mason County Journal.
- **Shoreline Property Owners Awareness & Information Assistance Program** Mason Conservation District Staff provided stormwater technical assistance to 4 landowners / community groups (details follow).
 - 10/09/09, Oakland Bay Watershed: A landowner with a recently built residential property sought guidance on (1) protecting water quality in an adjacent seasonal creek/drainage area, and (2) minimizing stormwater problems on the cleared lot. Landowner will install a drainage management system around the house and is presently replanting cleared portions of the lot with native vegetation to manage stormwater. Landowner is interested in building a rain garden to manage roof water and may seek additional technical assistance.
 - 11/09/09, Oakland Bay Watershed: Landowner on the shoreline of Hammersley Inlet receives water from County road and from upland wetland drainages. Landowner is installing native plants to improve the buffer adjacent to the wetland, to protect a seasonal drainage ditch, and along the marine shoreline. Landowners may install French Drain systems to deal with offsite runoff entering property.
 - 12/09/09, Case Inlet Watershed: Worked with community members including the Port_of Allyn and Allyn Community Association to develop a grant proposal for stormwater management in Allyn.
 - 12/09/09, Chehalis Watershed: Worked with a streamside landowner to address stream flooding problems impacting adjacent neighbors.

B.

- Hired Alison Chamberlin for the Stormwater Program Coordinator/Program Manager I

(Started December 28, 2009). Responsible for reporting, planning, developing guidelines, and implementing requirements and ordinances for the County's stormwater program.

- Selected AHBL, Incorporated out of Tacoma, Washington and Preferred Engineering, LLC out of Federal Way, Washington from the Professional Services Roster to assist/design some of the stormwater projects.

D.

- Mason County Public Health- WQ worked with GIS department to further develop the WQ GIS database
- Mason County Public Health- consulted with Ecology and made some sampling procedures revisions to the QAPP.

Task 3: Stormwater Retrofit, LID Projects, and Planning

A.

- Storm event sampling has started. Storm event samples were collected once at all of the selected sites. These site are:

Site	Lat (decimal degrees)	Long (decimal degrees)
Belfair		
BF-030	47.453451	-122.829554
BF-031	47.451505	-122.828813
BF-003	47.45240300	-122.82847400
BF-016	47.44905431	-122.82876598
BF-029	47.45440179	-122.82381060
BF-032	47.452126	-122.825312
BF-033	47.448068	-122.829093
Allyn		
site 21	47.386591	-122.82708400
NB-017	47.382971	-122.828729
NB-018	47.384228	-122.842866
NB-019	47.381582	-122.829318
NB-01	47.38006000	-122.82968000
Hoodsport		
HS-033	47.406915	-123.140094
HS-18	47.40670000	-123.14085000
HS-06	47.40432000	-123.14143000
HS-05	47.40332000	-123.14153000
HS-034	47.404289	-123.141745

Sampling is ongoing. After the second set of storm event monitoring data is collected, we will prioritize the sites based on monitoring results. The sites selected will receive additional sampling for identification of prospective retrofit/LID sites.

- Sampling data was entered into an EIM format for download to Ecology's EIM database.

B.

- Entered into a Memorandum of Understanding with Mason Transit to share the costs of evaluating the feasibility of using two sites in Belfair for a Park& Ride as well as stormwater treatment/LID applications. Rights of Entry for the sites were obtained in December 2009 and work to assess feasibility will start in early January 2010. (Copy of agreement attached)
- Met with a representative from Contech Stormwater Solutions, a supplier of treatment filters, approved by Ecology on October 21, 2009, to discuss the use of these filters in some areas we had identified surface flows for treatment.
- Received notice from Filterra that Ecology had issued a General Use Level Designation for their stormwater filters. These filters have been considered for applications to treat stormwater flows in Allyn and Hoodspert.
- We are participating with the Regional Stormwater Monitoring Group.

Tasks/Milestones not achieved and why: N.A.

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)