

# Deliverable D1.2: Semi-Annual Project Report

## Stormwater Action Monitoring Program: Effectiveness Studies

Send progress report to: Keunyea Song  
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*Instructions: Please fill out the light grey boxes*

### 1. General Information

Contract / Grant Agreement Number:	C1900018
Project Title:	Pilot Study for Non-proprietary Dissolved Metals Treatment: Oyster Shell Retrofits in Catch basins
Your Organization:	King County Water and Land Resources Division
Your Project Manager:	Carly Greyell - KC; Keunyea Song - Ecology
Reporting Period:	2019 Q1/Q2
Date this Form was Completed:	7/16/2019

**2. Briefly Describe Task and Milestone Achievements** (for current report period only) and check the box associated with each task to verify completion.

#### Task 1: Project Management

Percent of Task Completed:	5% this period (7% cumulative)
Deliverable	D1.2 - Semi-annual Progress Report
Description of your Achievements:	Completed first semi-annual progress report and managed the budget. Meetings and site visit to discuss clogged catch basins.

#### Task 2: Planning

Percent of Task Completed:	45% this period (100% cumulative)
Deliverable	D2.2 - Final QAPP; D2.3 - Equipment Purchases
Description of your Achievements:	Final QAPP completed. \$262.25 in small tools purchases for sampler installation.

#### Task 3: Field Sampling and Analysis

Percent of Task Completed:	27% this period
Deliverable	D3.1 - Preliminary Flow Data; D3.2 - Preliminary Flow Data & Analytical Data

## Deliverable D1.2: Semi-Annual Project Report

Description of your  
Achievements:

\$23,602 in baffle installation in the two "untreated" catch basins to provide comparable sampling conditions to the "treated" catch basins. Flow and rainfall were monitored over the course of several weeks so that the field crew could learn how flows responded to rainfall. This will help with sample triggering and timing aliquot sampling. The deliverable includes about a week of flow data as an example, including rainfall of various volumes and intensities. One field equipment blank sample was collected on 4/4/19 and analyzed for a variety of parameters.

### Task 4: Final Report

Percent of Task Completed: 0% this period

Deliverable NA

Description of your  
Achievements:

NA

### Task 5: Communication of Findings

Percent of Task Completed: 2% this period

Deliverable D5.1 - Post QAPP to website

Description of your  
Achievements:

The project website was developed and the QAPP was posted.

### 3. Tasks/Milestones not achieved and why:

NA

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

Delays in construction and clogging of the oyster shells caused us to miss the wet season. We will continue sampling as possible through the summer. We believe the clogging issue is resolved by using slightly larger oyster shell pieces and the trees are no longer dropping a lot of debris. We will have to watch this carefully in the fall, and may schedule shell replacement after many trees have dropped leaves.

### 5. General Comments:

NA

### 6. List the cumulative totals for all "outputs" (numerically measurable accomplishments) under this contract or grant to date:

Draft and final QAPP completed. Two baffles installed. Flow monitoring data collected over several storms. One equipment blank sample collected. Website developed and one deliverable (QAPP) posted.