

Deliverable D6.2: Semi-Annual Project Report

Regional Stormwater Monitoring Program: Effectiveness Studies

Send progress report to: Brandi Lubliner
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Instructions: Please fill out the light grey boxes

1. General Information

Contract / Grant Agreement Number:	C1500070
Project Title:	Effectiveness of Stormwater Retrofits for Treating Highway Runoff to Echo Lake
Your Organization:	King County Water and Land Resources Division
Your Project Manager:	Carly Greyell - KC; Brandi Lubliner - Ecology
Reporting Period:	2015 Q3/Q4
Date this Form was Completed:	1/29/2016

2. Briefly Describe Task and Milestone Achievements (for current report period only) and check the

Task 1: Planning

Percent of Task Completed:	n/a
Deliverable	n/a
Description of your Achievements:	Complete

Task 2: Field Sampling and Analysis

Percent of Task Completed:	16%
Deliverable	D2.2: Documenting Progress
Description of your Achievements:	The field crew continued to visit the site to maintain the flow meters and keep the bioretention planter box curb cuts clear. One storm event was sampled at the inlet and outlet of two bioretention planter boxes. King County Environmental Laboratory analyses were completed for all parameters except DTWPH at one bioretention planter box (insufficient sample volume). Toxicity tests were not conducted for this event. PCBs will be analyzed in samples from one site, but have not yet been sent for analysis. The "Documenting Progress" deliverable (D2.2) includes a log of site visits, an excel file of calculated flow data, a summary of samples collected and analyses completed, and the available raw, unvalidated data.

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Task 3: Summary of Echo Lake Historical Data

Percent of Task Completed:	100%
Deliverable	D3.1: Draft Memo; D3.2: Final Memo
Description of your Achievements:	Historical water quality data for Echo Lake were summarized in the technical memo. A draft memo was reviewed by project team members from City of Shoreline, WSDOT, and Department of Ecology, and comments were incorporated into the final technical memo.

Task 4: Final Report

Percent of Task Completed:	0%
Deliverable	None
Description of your Achievements:	No activities this period

Task 5: Distribution of Findings

Percent of Task Completed:	1%
Deliverable	D5.5: Posting of Technical Memo to website
Description of your Achievements:	The technical memo was posted to the project website. (http://kingcounty.gov/depts/dnrp/wlr/sections-programs/science-section/doing-science/echo-lake-study.aspx)

Task 6: Project Management

Percent of Task Completed:	5%
Deliverable	D6.2: Semi-annual Progress Report
Description of your Achievements:	The project manager coordinated with the project team for sampling, supervised one sampling event, and managed the budget. This report (D6.2) documents the progress of this project.

3. Tasks/Milestones not achieved and why:

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

A) Construction delays have postponed sampling at the detention tank system, one bioretention planter box, and one Filterra. These samples will be collected later this winter and spring. This could potentially impact the total number of samples that can be collected in 2016. B) The water exiting the detention tank system at ECHO-DTS-Out surge during high flows, which can result in erroneous flow meter readings. If this cannot be remedied, samples collected here may not be flow-weighted.

5. General Comments:

The bioretention planter boxes respond quickly to rainfall, but need higher intensity rains than anticipated before effluent flows are present. The antecedent dry period specified in the QAPP has not been useful for sampling, and will not be enforced for future sampling events.

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

Technical memo completed and posted to website; 14 site visits; 1 sampling event for two bioretention planter boxes; 6 months of flow data (2 meters at ECHO-DTS-In and 1 meter at ECHO-DTS-Out)