



August 20, 2024

To: Chelsea Morris, SAM coordinator  
Washington State Department of Ecology, Olympia, WA

From: Bob Hutton  
Natural Resource Specialist III, Clark County Public Works, Vancouver, WA

Subject: Deliverable D1.9 Semi-annual progress report

1. General Information

Contract Agreement Number:	C2000179
Project Title:	Status and Trends Monitoring of Urban Streams in Clark and Cowlitz Counties in the Lower Columbia River Region (LCUS)
Organization:	Clark County Public Works Clean Water Division (CWD)
CWD Project Manager:	Chad Hoxeng, CWD Interim Monitoring and Assessment Supervisor
Ecology Project Manager:	Chelsea Morris, Stormwater Action Monitoring (SAM) Scientist
Reporting Period:	2024 Q1 and Q2 (January through June)
Date Form was Completed:	August 20, 2024

2. Task Achievements (This reporting period)

Task 1: Project Management

Percent of Task Completed:	4% this period (88% Cumulative Completed) \$2,244.00 of budget used (\$45,459 of \$63,247 of budget used total)
Deliverable:	D1.8: Semi-annual progress report. 2024 Q1/Q2 LCUS Billing Submitted.
Achievements:	The 2023 Q3 and Q4 D1.8: semi-annual progress report with target date December 31, 2023, was submitted to and accepted by Ecology. The project and budget were managed. Field, laboratory, and reporting tasks were coordinated.



## Task 2: Station Set Up

Percent of Task Completed:	0% this period (100% Cumulative Completed) (\$99,178 of \$125,598.00 budget used total)
Deliverable:	Deliverables: D2.6: Confirmation email for equipment installation at four status monitoring stations; target September 30, 2023)
Achievements:	D2.6: Confirmation email for equipment installation at four status monitoring stations was submitted to and accepted by Ecology. Four status sites are installed and collecting continuous data for WY2024.

## Task 3: Continuous Datalogger Operation and Field Data Collection

Percent of Task Completed:	5% (95% Cumulative Completed) \$10,298 of budget used (\$191,747 of \$243,711 budget used total)
Deliverable:	D3.3: Email for monitoring completeness WY2023, confirming submission of the data collection event (DCE) file for each site compiled by the WHM e-forms and all required data and sample collection site
Achievements:	D3.3: Communicated with Ecology WHM staff to update latest e-forms for new sites. Email for monitoring completeness WY2023, confirming submission of the data collection event (DCE) file for each site compiled by the WHM e-forms and all required data and sample collection was submitted to Ecology. A total of eight e-forms were sent to Ecology. This deliverable was also met by operating and maintaining continuous monitoring equipment and performing field data collection per the Ecology-approved LCUS QAPP. Please see 3. Challenges and Issues for more information.

## Task 4: Data Management

Percent of Task Completed:	13% (98% Cumulative Completed) \$ 10,331 of budget used (\$93,742 of \$76,617 budget used)
Deliverable:	D4.1.4: Upload continuous data to Aquarius, and send an Excel file with graphs to the Ecology project manager (January 1 <sup>st</sup> , 2024 through April 2, 2024). All WY2023 data have been submitted to EIM and WHM. Waiting on EIM Coordinator position to be filled to accept submitted data.
Achievements:	On target to meet deliverable by performing data management and submittal per the Ecology-approved QAPP. D4.1.20 and D4.1.21, (Two of 22 targeted bi-monthly, 21 cumulative) excel files with graphs have been completed and accepted by Ecology. Bi-monthly data will be available upon request moving forward per LCUS Project Manager and Ecology.

## Task 5: Data Analysis and Annual Reporting

Percent of Task Completed:	8% (71% Cumulative Completed) \$ 6,096 of budget used (\$50,326 of \$73,681 budget used)
Deliverable:	D5.4 Annual report (WY2022) Draft D5.5 Annual report (WY2022) Final D5.5 <del>6</del> Annual report (WY2023) Draft D5.6 <del>7</del> Annual report (WY2023) Final
Achievements:	Deliverable D5.4 Annual report (WY2022) Draft submitted to Ecology and accepted. Deliverable D5.5 was submitted to Ecology and accepted. D5.7 was submitted to Ecology and is waiting approval.

### 3. Challenges and Issues

There were a few challenges accomplishing Task 3: field data collection. Throughout the six-month time period (January through June 2024).

Water temperature data for WPL050 is using pressure transducer temperature data due to the loss/theft of the conductivity sensor. The beaver dam at BRZ010 remains mostly in place and continues to affect stage measurements. A beaver dam at CMP010 is affecting stage measurements starting at 2/26/2023.

Another challenge was in meeting target dates for Task 5 Deliverable D5.4 Annual report final (WY2023). BIBI data was not received until after the target date for Deliverable D5.3 Annual report (WY2023) draft. These data are integral to the report and thus the report draft could not be completed without it. Habitat metric results were also delayed and are a very important part of the annual report. The annual report has now been completed.

### 4. General Comments

Project is on task to meet IAA deliverables.