**Exhibit D**

Department of Health Clean Water Branch Polluted Runoff Control Program

Quarterly Status Reporting Form

Clean Water Act 319(h) NPS Implementation Program

Quarterly Status Reports are required per MOA terms. If no work was done during the reporting period, the DLNR shall provide an explanation of the circumstances.

This Quarterly Status Report is for the period indicated below **(check only one and insert year)**:

X January 1 – March 31, 2023 (Due April 15)

□ April 1 – June 30, 2023 (Due July 15)

□ July 1 – September 30, 2023 (Due October 15)

□ October 1 – December 31, 2023 (Due January 15)

Project Title: West Maui Ridge to Reef Priority Watershed Coordination

Project Start/Completion Date: Oct.1, 2021 to April 30, 2023

Estimated % of Project Completed: 94%

Estimated % of Grant Funds Previously Requested: ~80%

Quarterly Status Report Number: 6

Name, telephone number, and e-mail of person to be contacted for questions regarding this

report: Tova Callender, [tovacallender@gmail.com](mailto:tovacallender@gmail.com), (808)-214-4239

Please provide the following information for this reporting period. Additional sheets may be attached:

1. Progress/tasks started and/or completed as defined in the MOA’s Scope of Services during **current** reporting period.
2. Summary of work completed (list all tasks and deliverables)

|  |  |  |
| --- | --- | --- |
| Task/Deliverable | Due Date | Date Task Completed/ Deliverable Submitted |
| Funding and Agency Support Team meeting | Quarterly | 2/2/23 |
| R2R Working Group Meeting | Quarterly | 3/9/23 |
| Report of activities | Monthly | Jan., Feb., Mar |
| Chair Hui O Ka Wai Ola Technical Team meetings | ~Monthly | 1/27, 3/15 |
| Coastal camera plume download | quarterly | 3/13 |
| Presented R2R info and water quality results to Hyatt and Andaz new hire orientations |  | 2/22, 3/22 |
| Supported community meeting on Ecological Alternative for stormwater management in North Kihei |  | 3/16/23 |
| Supported community meeting on Keokea wetland restoration |  | 3/28/23 |
| *\*complete summary of monthly activities available if requested\** |  |  |

1. Narrative Progress Report
2. Description of any major issues/problems encountered and/or resolved that may affect DLNR’s ability to complete the project as required (i.e., weather, personnel, equipment, etc.). If there is a change in the project timeline or budget, provide an explanation, revised timeline, budget, and completion schedule. (Please note that no-cost extensions must be applied for through the DOH and will only be granted when the DLNR has demonstrated unforeseeable setbacks.)

The 2022-23 winter season brought more rain events than previous years, including damaging mud floods and excess turbidity in North Kihei, and heavy rainfall on Pu’u Kukui. This resulted in delays in deploying of sediment detection bands for the study with NOAA, as well as delays in collecting and sieving soil for the EPA chitosan study. Thankfully, by March, the rain had subsided and both tasks could be accomplished, and the projects are on schedule.

Weather and permitting also delayed the MNMRC NWFW funded sediment removal project in Kūlanihākoʻi. Activities expected to proceed this quarter.

1. Description of any significant findings, results, or conclusions. If none, please indicate so.

The most significant discovery this quarter was in relation to lessons learned in methods for deploying silicone bands for integrated sampling of nearshore contaminants. Our team (myself and Hui O Ka Wai Ola volunteers) found that even though securely fastened to non-living benthic features (like a hole in a rock or bioerosion puka), the ziptied bands more often than not disappeared before the retrieval period. The most success was with manmade features (canoe club flags, oyster cage etc.) which we speculate is more effective due to a combination of stability, existing in areas with less wave activity, and out of the way of underwater enthusiasts who might accidentally remove thinking it is garbage. These evaluations of methods are critical, since silicone band technology opens up an entirely new method for contaminate detection in coastal waters which is low cost and can be deployed with citizen scientists, giving it huge promise if we can figure out best field practices.

1. Based on the Scope of Services, a description of tasks expected to be completed in the next reporting period.

In the next quarter, the following tasks are expected to be accomplished:

* Convene R2R Working Group and FAST meetings
* Complete monitoring tasks for coastal cameras, rain gauges and stream gauges download and maintenance
* Organize community workdays to re-develop demonstration rain garden in Wahikuli (pending COM approvals)
* Retrieve balance of silicone bands at nearshore reefs for the NOAA pesticide threshold study (scheduled for early April) and return to NOAA lab for testing
* Support convening of south Maui stakeholders for coastal resilience projects to socialize acceptance and solicit feedback.
* Chair Technical Team of Hui O Ka Wai Ola and move towards better understanding of pollution sources and solutions
* Assist in overseeing the removal of 1600 cu ft of sediment from Kūlanihākoʻi Gulch (delayed due to permitting and weather).
* Assist with coral collection for chitosan toxicity testing in study to vet the flocculant as a solution to sediment issues
* Plan and host science talk with visiting EPA researchers for partners and the community
* Host DOH with MEC partners for site visit of Waiakoa watershed
* Conduct stakeholder outreach and support community meetings to enhance the development of Waikapu-Waiakoa Watershed Management Plan

Summary of expenditures and in-kind contributions previously requested in comparison with the MOA’s project budget and remaining funds. The summary must be actual cumulative amounts for each line item (i.e., personnel services, travel, operating expenses, equipment acquisition, construction materials, other, etc.) current as of this Quarterly Status Report. Please see the example on Page 4 if necessary.

Grant Funds Q1 2023

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Summary- Grant Funds** |  |  |  |  |  |  |
|  |  |  |  | Contract Amount |  |  |
|  |  |  | Original Contract | from Previous | Amount Requested | Remaining |
| No. | Description |  | Amounts | Quarterly Invoices | in this Invoice | Contract Amount |
| A. | Personnel Services |  | 79,206.40 | $52,804.24 | $19,801.59 | $6,600.57 |
|  |  |  |  |  |  |  |
| B. | Travel |  | $5,339.05 |  | $141.81 | $5,197.24 |
|  |  |  |  |  |  |  |
| C. | Operating Expenses |  | $10,000.00 | $452.42 | 233.41 | $9,314.17 |
|  |  |  |  |  |  |  |
| D. | Equipment |  |  |  |  | $ |
|  |  |  |  |  |  |  |
| E. | Professional Services |  |  |  |  | $ |
|  |  |  |  |  |  |  |
| F. | Materials & Supplies |  |  |  |  | $ |
|  |  |  |  |  |  |  |
| G. | Other Miscellaneous Expenses- indirect Admin | | $9,454.55 | $5,325.67 | 2,017.68 | $2,111.20 |
|  |  |  |  |  |  |  |
| Total: |  |  | $ |  | $ | $ |
|  |  |  | $104,000.00 | $58,582.33 | $22,194.49 | $23,223.18 |

In-Kind Contributions (Matching Funds)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Summary- Matching Funds** | | |  |  |  |  |
|  |  |  |  | Contribution Amount | Contributions | Remaining |
|  |  |  | Original Contribution | from Previous | Submitted | Contribution |
| No. | Description |  | Amounts | Quarterly Invoices | in this Invoice | Amount |
| A. | Personnel Services | |  |  |  | $ |
|  |  |  |  |  |  |  |
| B. | Travel |  |  |  |  | $ |
|  |  |  |  |  |  |  |
| C. | Operating Expenses | |  |  |  | $ |
|  |  |  |  |  |  |  |
| D. | Equipment |  |  |  |  | $ |
|  |  |  |  |  |  |  |
| E. | Professional Services | | $26,000.00 | $0.00 | $0.00 | $26,000.00 |
|  |  |  |  |  |  |  |
| F. | Materials & Supplies | |  |  |  | $ |
|  |  |  |  |  |  |  |
| G. | Other Miscellaneous Expenses | |  |  |  | $ |
|  |  |  |  |  |  |  |