

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 contract terms. If no work was done during the reporting period, the CONTRACTOR must provide an explanation of the circumstances.

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

- | | | |
|-------------------------------------|--------------------------|--------------------------------------|
| <input checked="" type="checkbox"/> | January 1 – March 31, | (Due April 15)
(Due July 15) |
| <input type="checkbox"/> | April 1- June 30, | (Due October 15)
(Due January 15) |
| <input type="checkbox"/> | July 1 – September 30, | |
| <input type="checkbox"/> | October 1 – December 31, | |

Project Title: Mitigating Erosion in the Pelekane Watershed Using Ungulate and Wildfire Management

Project Start/Completion Date: 7/11/2022-7/11/2027

Estimated % of Project Completed: 18.8%

Estimated % of Grant Funds Previously Requested: 0%

Quarterly Status Report Number: 3

Name, telephone number, and email of person to be contacted for questions regarding this report: Robbie Justice, 808-319-9877, robbie_justice@forestsolutionsinc.com

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 Contract's Scope of Services during **current** reporting period.

A. Summary of work completed (list all tasks and deliverables)

Task/Deliverable	Due Date	Date was Task Completed/ Deliverable Submitted
Submit the names and credentials of personnel and/subcontractor	08/11/2022	8/11/2022
Submit draft of Project Effectiveness Monitoring Plan	08/11/2022	8/24/2022
Coordinate with Project Partners about project activities	09/11/2022	9/10/2022
Coordinate with HFD to design fuel breaks and road improvements	10/11/2022	9/16/2022
Reduce fuel loads with strategic grazing	10/11/2022	Ongoing
Draft and release press release	10/11/2022	1/31/2023
Begin Monitoring perimeter fence	10/11/2022	9/9/2022
Improvement of existing Ranch Road	10/11/2022	12/9/22
Improvement of existing fuel breaks	10/11/2022	12/9/22
Improve existing water tank as needed	10/11/2022	8/11/2022- ongoing checks
Collaborate with HWMO to create map of resources	10/11/2022	9/16/2022

B. GRTS Load Reductions

Pollutant	Estimated Load Reduction
Nitrogen (lbs/yr)	Too early to determine
Phosphorous (lbs/yr)	Too early to determine
Sediment (tons/yr)	Too early to determine

C. Narrative Progress Report

This past quarter we were able to identify a suitable fence contractor for the DOH grant fencing project including the cattle exclusion zone. This proved to be difficult due to the deterioration of the road and potential damage to machinery, as well as budget constraints in regards to rising fence material costs. We were able to procure one current bid for the project.

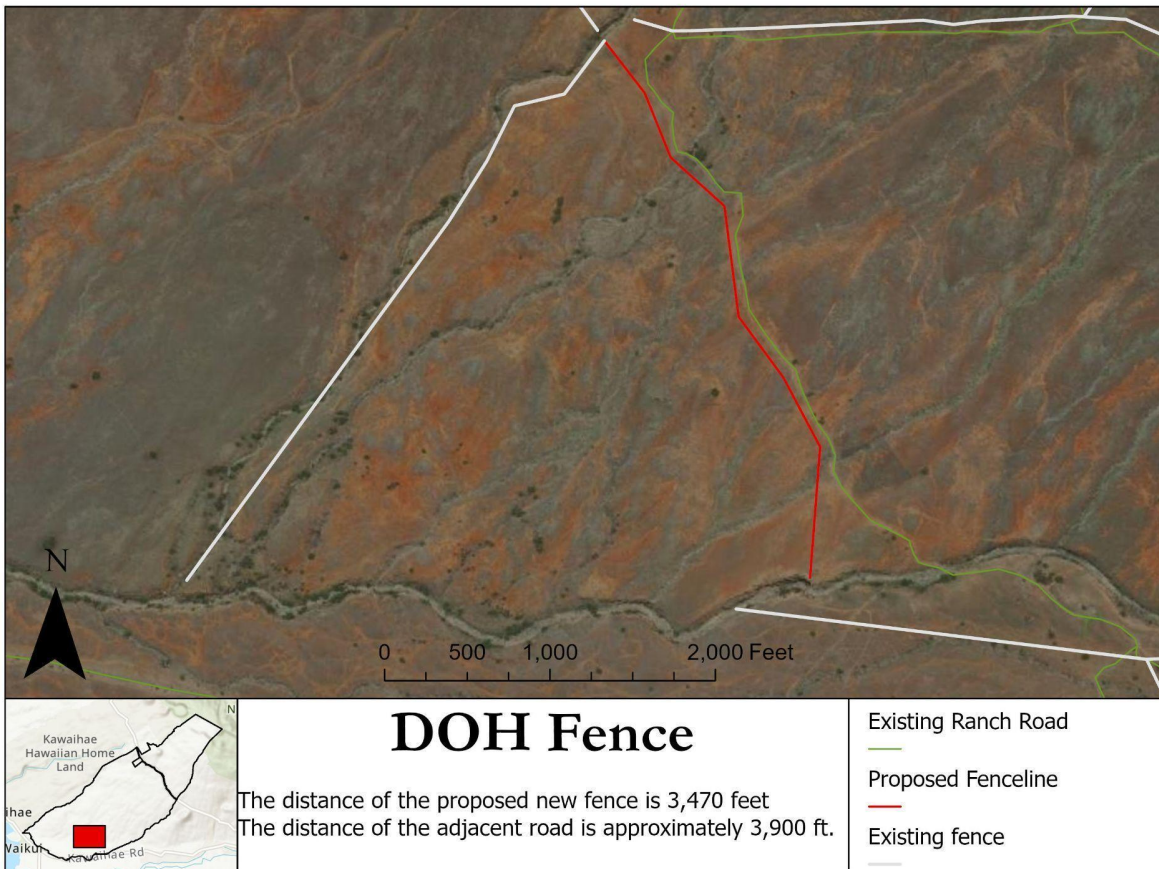


Figure 1. Locations of the ungulate exclusion fence to protect the 180 acre ungulate free parcel

This upcoming quarter we will schedule hunts with Hawaii Game Management (HGM) to eradicate animals that have entered the watershed enclosure. Major storm events detailed in the most recent report have resulted in extensive damage to the lower section of the perimeter fence and we have identified two goat herds, each consisting of approximately 20 individuals.

- Description of any major issues/problems encountered and/or resolved that may affect the CONTRACTOR'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 Department and will only be granted when the CONTRACTOR has demonstrated unforeseeable setbacks.)

A substantial increase in material and labor pricing for fence construction over the past 3.5 years, since the original budget development and submission of the DOH grant proposal has significantly limited options for the completion of the 180-acre enclosure. The instability of US steel prices, supply chain issues, inflation, and the general increase of costs associated with material and labor resources in recent years has led to a tripling in cost to complete the enclosure fence. All fencing products must consist of galvanized steel in order to ensure longevity of the fence in light of increased corrosion in Hawaii.

The project team is currently working with fence contractors to determine the best path forward to install the 180-acre enclosure fence, while ensuring that we are able to meet the DOH grant objectives. The topography of the enclosure area provides natural barriers in the form of gulches, which will enable us to optimize strategic fencing methods to exclude cattle. This paired with the NRCS-approved woven wire fence design for ungulate exclusion will reduce overall costs associated with the fence. However, we still anticipate a shortfall in available funding to complete the enclosure fence and would like to discuss opportunities to reprogram grant funding with the Department of Health. We have identified potential funds associated with fuel and firebreak maintenance in the DOH grant that have the potential to be utilized in the completion of the enclosure fence. Our previous discussions with DOH last quarter about the potential modification of the enclosure location in addition to these newly identified challenges regarding cost, have put us behind schedule for this deliverable. Pending fence design approval and further discussion this portion of the project will be implemented this upcoming quarter.

The delay in the completion of the enclosure fence has also set back the installation of the erosion monitoring pins. The erosion pins will be installed within and around the fenced area, per our monitoring plan, immediately following successful fence installation. This will ensure the ability to monitor the effects of reforesting the ungulate-free area and its impact on soil loss in comparison to areas outside the fence that are subject to ungulate pressure. The installation of the monitoring pins is planned for May of 2023.

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

No significant findings or results are conclusive at this time.

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

Initial fence installation will take place this upcoming quarter to create the 180-acre ungulate-free area. Upon completion, we plan to install the erosion pins within and outside of the exclusion area and establish vegetation transects as well as drone monitoring according to the monitoring plan. We plan to have completed goat eradication prior to the installation of the erosion pins.

Summary of expenditures and in-kind contributions previously requested in comparison with the Contract'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

No.	Description	Original Contract Amount*	Contract Amounts from Preceding QSRs	Expenditures during this Quarterly Reporting Period	Current Contract Amount (Remaining Funds)
A	Personnel Services	\$ 79,125.00	\$ 19,328.47	\$2,168.80	\$ 57,627.73
B.	Travel	\$ 0	\$ 0	\$ 0	\$ 0
	Operating Expenses	\$ 0	\$ 0	\$ 0	\$ 0
	Equipment	\$ 0	\$ 0	\$ 0	\$ 0
C.	Professional Services (Contractual)	\$ 168,000	\$ 4,814.63	\$21,675.31	\$ 141,510.06
D.	Construction Materials & Supplies	\$ 10,000	\$ 324.11	\$ 0	\$ 9,675.89
E.	Other Misc. Expenses	\$ 0	\$ 0	\$ 0	\$ 0
TOTALS		\$ 257,125.00	\$ 24,467.21	\$ 23,844.11	\$ 208,813.68

*Original Contract Amount has been updated from our first quarterly report to better reflect estimated budget by cost item expenditures.

**Supplies cost for this quarter includes items from October through December of 2022.

In-Kind Contributions (Matching Funds)

No.	Description	Original Contribution Amounts	Contribution Amounts from Preceding QSR	Contributions during this Quarterly Reporting Period	Current Contribution Amount
A	Personnel Services	\$ 20,000.00	\$ 4,103.92	\$ 1,445.44	\$ 5,549.36
B.	Travel	\$ 0	\$ 0	\$ 0	\$ 0
C.	Operating Expenses	\$ 0	\$ 0	\$ 0	\$ 0
D.	Equipment	\$ 0	\$ 0	\$ 0	\$ 0
E.	Professional Services*	\$ 44,296.64	\$ 1,468.59	\$ 489.53	\$ 1,958.12
F.	Construction Materials and Supplies	\$ 0	\$ 0	\$ 0	\$ 0
G.	Other Misc. Expenses	\$ 0	\$ 0	\$ 0	\$ 0
TOTALS		\$ 64,296.64	\$ 5,572.51	\$ 1,934.97	\$ 7,507.48

*Details on match contributed for fuel management via grazing will be provided in the next quarterly report.

Detailed Grant Budget by activity

Activity	DOH Grant	Expended	Budget Remaining	Match Funds	Match Accured	Total Budget
Project Management	\$ 15,000.00	\$ 9,925.34	\$ 5,074.61	\$ 25,000.00	\$ 7,507.48	\$ 40,000.00
Fence Building	\$ 78,000.00	\$ 202.04	\$ 77,797.96	\$ -		\$ 78,000.00
Fence Maintenance	\$ 25,000.00	\$ 8,220.92	\$ 16,779.08	\$ -		\$ 25,000.00
Goat Management	\$ 30,000.00	\$ 8,112.38	\$ 21,887.62	\$ -		\$ 30,000.00
Fuel Break Development	\$ 45,000.00	\$ 15,109.11	\$ 29,890.89	\$ -		\$ 45,000.00
Fuel Break Maintenance	\$ 19,125.00	\$ 6,701.76	\$ 12,423.24	\$ -		\$ 19,125.00
Wildfire Suppression Improvements	\$ 5,000.00	\$ -	\$ 5,000.00	\$ -		\$ 5,000.00
Grazing Management	\$ -	\$ -	\$ -	\$ 39,296.64		\$ 39,296.64
Scientific Project Monitoring	\$ 40,000.00	\$ 39.77	\$ 39,960.23	\$ -		\$ 40,000.00
Total	\$ 257,125.00	\$ 48,311.32	\$ 208,813.63	\$ 64,296.64	\$ 7,507.48	\$ 321,421.64