

House District(s) _____

Senate District(s) X

THE TWENTY-NINTH LEGISLATURE
APPLICATION FOR GRANTS
CHAPTER 42F, HAWAII REVISED STATUTES

Log No:

For Legislature's Use Only

Type of Grant Request:

GRANT REQUEST – OPERATING

GRANT REQUEST – CAPITAL

"Grant" means an award of state funds by the legislature, by an appropriation to a specified recipient, to support the activities of the recipient and permit the community to benefit from those activities.

"Recipient" means any organization or person receiving a grant.

STATE DEPARTMENT OR AGENCY RELATED TO THIS REQUEST (LEAVE BLANK IF UNKNOWN): _____

STATE PROGRAM I.D. NO. (LEAVE BLANK IF UNKNOWN): _____

1. APPLICANT INFORMATION:

Legal Name of Requesting Organization or Individual:

Dba: Malama Hule`ia

Street Address:

Mailing Address: PO BOX 662092 Lihue, HI 96766

2. CONTACT PERSON FOR MATTERS INVOLVING THIS APPLICATION:

Name SARA BOWEN

Title Executive Director

Phone # 360-820-0979

Fax # _____

E-mail sara.ed@malamahuleia.org

3. TYPE OF BUSINESS ENTITY:

- NON PROFIT CORPORATION INCORPORATED IN HAWAII
- FOR PROFIT CORPORATION INCORPORATED IN HAWAII
- LIMITED LIABILITY COMPANY
- SOLE PROPRIETORSHIP/INDIVIDUAL
- OTHER

6. DESCRIPTIVE TITLE OF APPLICANT'S REQUEST:

MALAMA HULE`IA – ALEKOKO MANGROVE REMOVAL

4. FEDERAL TAX ID #: [REDACTED]

5. STATE TAX ID #: [REDACTED]

7. AMOUNT OF STATE FUNDS REQUESTED:

FISCAL YEAR 2019: \$ 56,718

8. STATUS OF SERVICE DESCRIBED IN THIS REQUEST:

- NEW SERVICE (PRESENTLY DOES NOT EXIST)
- EXISTING SERVICE (PRESENTLY IN OPERATION)

SPECIFY THE AMOUNT BY SOURCES OF FUNDS AVAILABLE AT THE TIME OF THIS REQUEST:

STATE \$ _____

FEDERAL \$ please see budget description

COUNTY \$ _____

PRIVATE/OTHER \$ 180,000

TYPE NAME & TITLE OF AUTHORIZED REPRESENTATIVE:

[REDACTED]
AUTHORIZED SIGNATURE

SARA BOWEN, EXECUTIVE DIRECTOR
NAME & TITLE

1/19/2018
DATE SIGNED

JAN 19 2018

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Application for Grants

Please check the box when item/section has been completed. If any item is not applicable to the request, the applicant should enter "not applicable".

I. Background and Summary

This section shall clearly and concisely summarize and highlight the contents of the request in such a way as to provide the State Legislature with a broad understanding of the request. Please include the following:

1. A brief description of the applicant's background;

Mālama Hulē'ia is a nonprofit 501 c(3) organization with a strong community-based mission that is committed to eradicating mangrove and restoring a native, healthy, functioning ecosystem for the Hulē'ia River watershed. Since the beginning of 2013, Mālama Hulē'ia has been working on a demonstration mangrove removal and restoration project next to Niumalu County Beach Park, Kauai, utilizing with great success, partner organizations and individual volunteers from the community. That project was funded by grants from NOAA and was conducted as a project of the Kaiola Canoe Club, in alliance with the Nawiliwili Bay Watershed Council.

Mālama Hulē'ia has achieved independent status as a nonprofit corporation and is turning its attention to the main areas of red mangrove infestation in the Hulē'ia watershed. The organization contracted the services of the University of Hawai'i Sea Grant College Program to facilitate an action planning process to formulate a strategy to remove red mangrove from and restore these larger areas. Development of this strategy has included aerial data analysis to determine the extent and locations of red mangrove infestation, detailed research on mangrove removal options, and facilitated action planning meetings with the Mālama Hulē'ia Board of Directors to establish action items and priorities. With demonstrated success of mangrove removal and habitat restoration, work has continued to expand along the river. Planning and fund raising over the last two years has had a focus on a key resource within the watershed, the Alekoko fishpond. Mālama Hulē'ia is in the final stages of a large federal grant process to fund some of the extensive mangrove removal and habitat restoration that will be required for a successful project. An Archaeological Inventory Survey was completed and planning is on-going in order to mobilize and prepare for the work. Volunteer and community days continue throughout the areas where mangrove removal has occurred. Written landowner agreements and all required permits are in place to continue the work at Alekoko fishpond.

The next step is removing red mangrove from the Alekoko Fish Pond and restoring a native, thriving ecosystem through traditional Hawaiian and modern practices.

2. The goals and objectives related to the request;

The goal is mangrove eradication and habitat restoration at the Alekoko Fish Pond. Red mangrove in Hawaii is invasive and presents negative environmental, cultural, and economic impacts in the Hule'ia watershed. As the mangrove is removed, the native wetland habitat will be restored by planting native plants to restore the ecological functions and values.

The objective is to use best management practices for a non-invasive method of mangrove removal due to the sensitivity of the historic fish pond stone wall and its cultural significance. The hand cut/hand removal technique, guided by staff working with community volunteers, will cut trunk and aerial stems below the high tide line with hand saw, chain saw, or rotary blade.

The goal of this proposal is to support staff to oversee the intensive volunteer mangrove removal that will take place within the sensitive areas of the Alekoko fishpond. It will help in the establishment of long term management and success of the larger wetland restoration project. The site is located within an ancient Hawaiian fishpond that is in danger of being destroyed due to the invasive mangrove plants. As an important cultural site, the education and community involvement piece is essential to the long term management and stewardship of the site. Staff to oversee this work is essential for success.

3. The public purpose and need to be served;

Mālama Hulē'ia has a strong community-based mission that is committed to eradicating the mangrove and restoring a native, healthy, functioning ecosystem. Mālama Hulē'ia has a proven record of success working with the community and youth and is looking to continue and expand this work through the grant. The project will benefit the environment and encourage community members to steward their natural and cultural resources. Through the revival of a healthy, native plant ecosystem, it will provide educational opportunities for students of all ages with STEM, agriculture, natural resource management, and Hawaiian cultural practices. The work will provide opportunities for water quality monitoring with the Kauai Community College, educational workshops in partnership the Hawaii Department of Education and the State Department of Land and Natural Resources, use of mangrove wood through re-purposing, and the use of sustainable energy fuel from the invasive mangrove.

While mangroves are highly beneficial elsewhere in the world in their native habitats, Red mangrove in Hawai'i is invasive and presents negative environmental, cultural and economic impacts. Restoration work will be within Alekoko fishpond and surrounding estuarine wetlands, consisting of a total 26-acres of mangrove removal and re-planting native vegetation on 14.9-acres of regionally decreasing estuarine intertidal wetlands. Removal of the mangrove and restoration of the native wetland plants will benefit the state and federally listed endangered Hawaiian waterbirds including the Hawaiian duck (koloa maoli, *Anas wyvilliana*), Hawaiian coot ('alae ke'oke'o, *Fulica alai*), Hawaiian morehen ('alae 'ula, *Gallinula chloropus sandvicensis*), and the Hawaiian stilt (ae'o, *Himantopus mexicanus knudseni*)." The Hawaiian goose (*Branta sandvicensis*) will also benefit as it frequents the adjacent lands on Hulē'ia NWR. The federally endangered Hawaiian hoary bat (*Lasiurus cinereus semotus*) is found within the Hulē'ia National Wildlife Refuge (neighbor to Alekoko) and it is expected to benefit from the habitat restoration. Conservation of important lowland coastal habitat for foraging is essential for the recovery of the

Hawaiian hoary bat (USFWS 1998). The following provides more detailed information on the negative impacts of mangrove and why removing mangrove and restoring the native habitat will increase public benefits through an increase in native wildlife, improve water quality, and save important cultural resources.

Environmental impacts

Wildlife Habitat:

In Hawaii, the establishment of mangrove has dramatically altered ecosystem processes in the areas it has invaded. It changes macrofaunal species and food-web structure, facilitating greater dominance by sub-surface deposit feeders, and creating new niches for other exotic species in mangrove sediments (Demopoulos, 2004; Demopoulos et al., 2007; Demopoulos and Smith, 2010).

The introduction of red mangrove in Hawai'i represents an entirely new life form in the Hawaiian wetland ecosystem. There is little wildlife found in Hawaiian mangrove forests except that they can provide shelter for predators that prey on water bird chicks, such as cattle egrets, rats and mongoose. This means less habitat for Hawai'i's fish and endemic water birds, such as the Hawaiian Stilts, Hawaiian Coots, Hawaiian Ducks and Hawaiian Moorhens.

Red mangroves have been shown to displace nesting habitats of the endangered Hawaiian duck (*Anas wyvilliana*), stilt (*Himantopus knudseni*), coot (*Fulica americana*) and moorhen (*Gallinula chloropus*) (Rauzon and Drigot 2002, Chimner, et al. 2006).

In addition, Mangroves may be having a negative impact on fish community structure in Hawai'i. The most extensive studies on mangrove impacts to fish have been done on Moloka'i (Demopoulos et al. 2007, Nakahara 2007) and show similar results to studies on the island of Hawai'i, that mangroves appear to be providing habitat for invasive fish species, such as poeciliids, snapper, and tilapia (Van der Veur 2006, MacKenzie et al. unpublished data). These are all species that have adverse effects on habitat value for native fish communities as well as on native fish community structure.

Water Quality:

Red mangroves in Hawai'i have been found to grow to higher densities than in their native range (Cox and Allen, 1999), probably because Hawai'i lacks the species that attack the flowers and propagules. Litterfall from mangrove stands at Nu'upia Pond, Oahu has been measured at 2.52 kg ha⁻¹, which exceeds net primary productivity in its native range in Florida (Cox and Jokiel 1996, Odum McIvor and Smith 1982). These added organic inputs have led to detrital accumulations and algal blooms. Other influential ecosystem processes include water stagnation, soil sedimentation, anoxia and hypersalinization (Cordona and Botera 1998, McKee 1996).

The dense stands of trees and roots crowd out native plant species, causes water stagnation, and the sheer amount of decomposing plant matter leaves the water devoid of oxygen, which is inhospitable for native species. In the Hulē'ia River the sewage smell among the mangrove roots from these anoxic conditions is often apparent and alien fish species like tilapia are observed to be on the rise. A section of the river bordering the Hulē'ia National Wildlife Refuge is particularly affected. Due to heavy erosion of nearby hills during rainstorms, this part of the river remains brown with silt long after the rain stops. The river cannot quickly flush out the sediment due to the mangrove, and the stagnant water between the mangrove roots smells like sewage due to anoxic conditions.

According to the Hawai'i Department of Health's Total Maximum Daily Load (TMDL) for the Nāwiliwili Watershed, Nāwiliwili Bay, the marine receiving waters for all the streams in the watershed is listed under Section 303(d) of the Clean Water Act as impaired for excessive nutrients and turbidity, and certain stations within the Bay are elevated for bacterial indicators (enterococcus). Hulē'ia, Pū'ali, Papokolea, and Nāwiliwili Streams are impaired by elevated turbidity, nutrients, and bacteria levels. The TMDL specifically states that the invasion of red mangrove in the Hulē'ia may contribute a significant amount of organic material and increase turbidity and nutrient concentrations (HI DOH 2008; citing Furness et al 2002).

The TMDL references the Watershed Plan for Nāwiliwili, which identifies four overarching goals, to (1) improving water quality and de-listing impaired segments of the watershed; (2) enhancing current in-stream flows; (3) enhancing biological integrity of waterways; and (4) enhancing sustainability of the watershed. Among other things, the Plan proposes certain restoration activities such as controlling non-native, invasive species such as mangroves (HI DOH 2008; citing El-Kadi et al 2004).

Cultural impacts



Figure 3: Alekoko Fish Pond before and after the red mangrove invasion

Loko I'a (Native Hawaiian Fish Ponds): The Alekoko fishpond complex once consisted of ponds on both sides of the Hulē'ia Stream. Due to the red mangrove invasion, it is now reduced to one main pond that is entirely surrounded by the red mangrove. The main fishpond stone walls are completely buried under the mangrove roots, and it is likely

individual rocks have broken off into the pond. Since the pond is relatively shallow, the red mangrove easily spreads inward toward the center of the pond. With continuous inward spreading of the mangrove, the area of open water becomes smaller and smaller. If left unchecked, the red mangrove will eventually fill the whole fishpond, making its destruction complete. This destruction will amount to a tremendous cultural loss, because the Alekoko Fishpond is a site highly valued both for its unique history as a productive loko I'a and as the subject of many Native Hawaiian mo'olelo (legends). The Alekoko fishpond is Kauai's largest fish pond and is on the National and State Historic Register.

Other Historic Sites: It is possible that other historic sites lay hidden by the red mangrove.

Native Hawaiian Cultural Practices: The rich history of the Hule'ia Valley for traditional Hawaiian methods of sustenance as already been negated by other factors of modern life. However, the red mangrove invasion makes returning to many of those methods of sustenance more difficult. Use of the fishpond for managing and harvesting fish populations is not possible as long as the pond is overgrown by red mangrove. Use of wetlands for kalo lo'i is problematic if the wetland is already invaded by red mangrove. Even simple activities like fishing or swimming from the river banks are not possible because of the thick tangle of red mangrove along the banks.

Economic impacts

Recreation/Navigation: The Hule'ia is used for recreation by paddlers of all forms, including canoes, kayaks, and stand up paddle (SUP). The Hule'ia is a frequent waterway for training for the Kaiola and Niumalu canoe clubs. In addition, kayak tours are run for tourists up the stream. The steady expansion of red mangrove and poor water quality conditions pose navigational hazards for these activities, threatening traditional and economic livelihoods.

Food Production: The red mangrove invasion negatively impacts several forms of food production, including wetland taro farming, raising fish in fishponds, harvesting other aquatic animals besides fish (crabs, opae, hihiwai, etc.) which are now rare because of the destruction of their habitats.

Cost of Restoration: Eradication of the red mangrove and restoration of natural areas and historic sites will be very complicated and expensive. Restoration of the Alekoko Fishpond walls will be especially problematic and costly. A federal coastal wetland grant has been applied for that totals \$970,000 which will allow a contract to remove mangrove in the non-sensitive areas. The remaining, at Alekoko, will be done through volunteer crews.

Loss of Opportunities: If nothing is done to stop the growth and spreading of red mangrove, it is unlikely that the Hule'ia River and Alekoko Fishpond will continue to be the iconic tourist attractions that they have been. Moreover, the possibility of enhancing

their attractiveness to all people by restoration of wildlife habitats and cultural enrichment of historic sites will be lost.

4. Describe the target population to be served; and

All those who live on the island, in the state, and those who visit benefit from the restoration of the Hule'ia watershed and its crown jewel, the Alekoko Fish Pond.

5. Describe the geographic coverage.

The Alekoko Fish Pond is on the south east side of Kauai. The project area covers 26 acres of mangrove within the ~70 acre long-term Hule'ia River watershed project site (38% of our total project goal).

II. Service Summary and Outcomes

The Service Summary shall include a detailed discussion of the applicant's approach to the request. The applicant shall clearly and concisely specify the results, outcomes, and measures of effectiveness from this request. The applicant shall:

1. Describe the scope of work, tasks and responsibilities;

The scope of work proposed in this grant application is for the salary (1-fte) of the Field Operations and Cultural Resource Manager who will oversee The Field Operations and Cultural Resource Manager is responsible for overseeing and managing the mangrove removal and maintenance of the Alekoko fishpond wall and other areas identified as archaeologically sensitive requiring hand-cut hand removal techniques. He/she is also responsible for coordinating and managing on-site staff development and volunteer projects. Additional responsibilities include:

- Maintenance of equipment.
- Provides training to volunteers.
- Coordinates chainsaw certification for interns and dedicated volunteers.
- Assists and implements mangrove removal and restoration activities.
- Assists in site maintenance and general grounds keeping.
- Responds to and documents any concerns, complaints, grievances made by any community member or neighbor. Reports all concerns to the Executive Director.
- Assists in the management and implementation of Community Workdays and Cultural Site Maintenance Days.
- Advises on cultural protocol.

2. Provide a projected annual timeline for accomplishing the results or outcomes of the service;

The timeline of this project extends several years beyond the 2018FY of this grant period. For the period of this grant cycle the goal of removing 2 or more acres from the Alekoko fishpond with the assistance of 492 volunteer hours has been set.

*	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Total
Acres	0.5	0.5	0.5	0.5	2.0
Volunteer Hours	123	123	123	123	492

*These hours and acres are based on data collected from our demonstration project

3. Describe its quality assurance and evaluation plans for the request. Specify how the applicant plans to monitor, evaluate, and improve their results; and

Mālama Hule'ia will track volunteer hours and measure mangrove removal progress using GPS and GIS mapping. We will evaluate progress monthly and adjust efforts (i.e. increase number of volunteer workdays or volunteer recruitment) if needed to meet our goals.

4. List the measure(s) of effectiveness that will be reported to the State agency through which grant funds are appropriated (the expending agency). The measure(s) will provide a standard and objective way for the State to assess the program's achievement or accomplishment. Please note that if the level of appropriation differs from the amount included in this application that the measure(s) of effectiveness will need to be updated and transmitted to the expending agency.

Measure(s) of effectiveness that will be reported to the expending agency include:

1. Number of acres cleared
2. Number of volunteer hours

III. Financial

Budget

1. The applicant shall submit a budget utilizing the enclosed budget forms as applicable, to detail the cost of the request.
- a. Budget request by source of funds ([Link](#)) - Attached
 - b. Personnel salaries and wages ([Link](#)) - Attached
 - c. Equipment and motor vehicles ([Link](#)) – Not Applicable
 - d. Capital project details ([Link](#)) – Not Applicable
 - e. Government contracts, grants, and grants in aid ([Link](#)) - Attached
2. The applicant shall provide its anticipated quarterly funding requests for the fiscal year 2019.

Quarter 1	Quarter 2	Quarter 3	Quarter 4	Total Grant
\$14,179.5	\$14,179.5	\$14,179.5	\$14,179.5	\$56,718

3. The applicant shall provide a listing of all other sources of funding that they are seeking for fiscal year 2019.

Mālama Hulē`ia is seeking funding for FY 2019 from the following sources:

- 1) U.S. Fish and Wildlife Service (USFWS) – Coastal Wetlands Restoration Grant
- 2) Disney Conservation Fund (Due February 16, 2018)
- 3) County of Kauai (RFP expected July 2018)
- 4) Hawaii Tourism Authority (RFP expected July 2018)
- 5) Others as opportunities are identified

4. The applicant shall provide a listing of all state and federal tax credits it has been granted within the prior three years. Additionally, the applicant shall provide a listing of all state and federal tax credits they have applied for or anticipate applying for pertaining to any capital project, if applicable.

Not applicable

5. The applicant shall provide a listing of all federal, state, and county government contracts, grants, and grants in aid it has been granted within the prior three years and will be receiving for fiscal year 2019 for program funding.

Federal	
National Parks Technical Assistance Grant	Award of technical assistance (not funds) with a value of: \$132,000 (2016, 2017, 2018)
USFWS, Coastal Wetlands Restoration Grant (Award announcement expected by February)	Only if funded 2018: 2-year grant period (2018, 2019) \$929,982
State	
Grant In Aid	Request for Field Operations and Cultural Resource Manager \$56,718
County	
Office of Economic Development	Mangrove Assessment and Project Planning (2016) \$25,000 Archaeological Pre-clearing Survey (2017) \$22,940

6. The applicant shall provide the balance of its unrestricted current assets as of December 31, 2017.

Mālama Hulē`ia's unrestricted asset balance as of December 31, 2017 : \$180,385

IV. Experience and Capability

1. **Necessary Skills and Experience**

The applicant shall demonstrate that it has the necessary skills, abilities, knowledge of, and experience relating to the request. State your experience and appropriateness for providing the service proposed in this application. The applicant shall also provide a listing of verifiable experience of related projects or contracts for the most recent three years that are pertinent to the request.

Evidence of Experience

Mālama Hulē`ia has the experience, partnerships and community support that is needed to remove the invasive mangrove and restore native wetlands for the entire Hulē`ia River. This project will concentrate on the Alekoko fishpond and the two properties that are owned by Okada. Mālama Hulē`ia has a 10 member volunteered board of directors and Executive Director, Sara Bowen, who have professional qualifications and experience to succeed in wetland restoration as described in this grant application (the RFI and submitted proposal). Mālama Hulē`ia has successfully received and finalized two NOAA Community Based Restoration grant awards from the Hawaii Community Foundation.

Mālama Hulē`ia applied for and received two consecutive NOAA Community Restoration Partnership grants totaling \$77,500 through the Hawaii Community Foundation. These grants enabled Mālama Hulē`ia to undertake its initial demonstration project, which successfully removed the invasive red mangrove, restored the land into a native estuarine wetland, and built the necessary community support that would allow for a long term sustained effort. The demonstration project restored 2.5 acres located between the Kaiola Canoe Club, Niumalu County Beach Park, and the Pū`ali Stream. This restored Pū`ali Wetland is now inhabited or visited by native birds - `Alae`ula (Hawaiian moorhen), Koloa maoli (Hawaiian duck), `Ulili (wandering tattler), `Auku`u (Hawaiian night heron), and Ae`o (Hawaiian stilt) - and by various crabs and fishes. Mālama Hulē`ia continues to lead groups into the Pū`ali Wetland to enhance the area and to educate. Thus, the site has become a good example of wetland restoration as well as a cultural and educational asset.

This transformation of the demonstration site would not have been possible without Mālama Hulē`ia receiving tremendous community support. The support included help from government agencies (Kauai County, Hawaii Department of Land and Natural Resources, especially its Division of Boating and Ocean Recreation, US Fish and Wildlife Service), businesses, educational and other nonprofit organizations (approximately 60 different organization partners), as well as hundreds of individuals who provided thousands of volunteer work hours. The physical demands for cutting acres of mangrove trees and roots and removing all the debris with very limited use of heavy equipment meant that our programs for community outreach had to be ongoing and effective. Besides using every opportunity to publicly communicate our story about the mangrove invasion, we succeeded in community outreach by making a strong connection between our environmental concerns and the cultural and educational values of our community. This effort was helped by hiring Community Outreach Managers with deep roots in the Hawaiian community. We also accepted feedback received in neighborhood/community meetings about the importance of cultural and educational values. As a result, Mālama Hulē`ia has provided

educational working sessions for hundreds of students of all ages, has helped to enhance the Niumalu Park with several cultural memorials (a Ku Ahu stone monument, a Hawaiian Moon Mosaic, historic photos of scenes around Niumalu), and has recently held a teaching session by master Kauai weavers using makaloa reeds harvested directly from the Pū'ali Wetland.

We have been successful in obtaining a technical assistance grant for 3-years (in third year now) from the National Parks Rivers, Trails, Conservation Assistance program, this assistance grant for a third year, lending us technical assistance in the planning and permit compliance aspects of this project. Mālama Hule'ia has also received support in the amount of \$47,940 over a two year period (2016 and 2017) from the County of Kauai for conducting mangrove assessment in the Hule'ia watershed to plan for the upcoming work as well as contracting the necessary pre-clearing archaeological survey.

In addition to Mālama Hule'ia's lead project managers Sara Bowen, Executive Director and Dr. Carl Berg founding member of the Board of Directors, a technical advisory committee has been formed for consultation as the project moves forward. Their experience is listed below:

Sara Bowen was hired in May 2015 to develop a comprehensive project plan including working with landowners to develop agreements, identifying required permits and regulatory compliance and determining what process to use. Sara has previous experience in managing and coordinating grant programs as the grantee and grantor from 2003 managing the water resources program of a tribal natural resource division in Washington State with an annual budget of \$400,000- \$600,000 in grant funds from EPA, Clean Water Branch. In Hawaii, Sara held a position with Hawaii Association of Conservation Districts (HACD) that was funded by Hawaii DOH (EPA CWA 319 funds) and was responsible for reporting, deliverables and an annual work plan proposal. Sara was the grant manager at Garden Island RC&D for the Senator Inouye earmark enhancement funds, Kauai Agriculture Development Program, and managed the budget and grants funded to 8-13 recipients each year for 3-grant cycles, until earmark funds were cut. Sara received wetland training in Hawaii under the NRCS Wildlife Habitat Incentive Program (WHIP) from Gregg Koob during her time as a HACD Conservation Specialist. In Washington State, Sara was a qualified (by Whatcom County) wetland consultant and had a private wetlands delineation and mitigation consulting company.

Dr. Carl J. Berg, is a founding member of the Board of Directors of Mālama Hule'ia and was in charge of the re-planting program at Pū'ali wetland. He is a professional ecologist, environmental educator and wildlife tour leader. He was awarded a Ph.D. in zoology from the University of Hawaii (1971) and was a university professor (City College of New York) and research scientist (Harvard University, Marine Biological Laboratory in Woods Hole, and Florida Marine Research Inst.) before returning to Hawaii in 1990. He was an Environmental Health Specialist IV for the Hawaii Dept. of Health, monitoring water quality in the ocean and streams from 1991 to 1993, before establishing Hawaiian Wildlife Tours.

He was Chief Scientist for the Hanalei Watershed Hui, which was awarded an Environmental Achievement Award from the U.S. Environmental Protection Agency, received a Certificate of Recognition for its contribution to sustainably manage coral reefs by the U.S. Coral Reef Task

Force and received DLNR's Hawaii's Living Reef Award for 2006. The Hanalei Watershed Hui was a recipient of an E.P.A. Targeted Watershed Initiative grant to implement changes in the watershed to improve water quality in the streams, estuaries and on the coral reefs. It was a recipient of an American Heritage Rivers Initiative grant from the U. S. Forest Service for work in the forested upper watershed and a grant from the National Oceanographic Atmospheric Administration for a community based fisheries habitat restoration grant to improve stream habitat for endemic Hawaiian fishes and to rebuild an estuarine Hawaiian fishpond as nursery habitat for coastal fishes. The National Fish and Wildlife Foundation funded a Watershed Approach to Pollution Mitigation in Hanalei Bay. The Okolehao Trail Restoration Program was funded by the Hawaii Tourism Authority, NOAA, EPA Environmental Education Program, and Kilauea Point Natural History Association. He has numerous grant reports and scientific publications resulting from all of this work.

His work on coral reef protection through taro field discharge management was initially funded by NOAA, NRCS, Castle Foundation, and Tesoro Hawaii Corp., through a National Fish and Wildlife Foundation grant. It was later funded by NOAA through the Coral Reef Local Action Strategy Program. He participated in the 2008 NOAA national workshop "Responding to Climate Change: A workshop for Coral Reef Managers" and lectured in the U.S. National Park Service "Climate Change and Coral Reefs" teacher professional development workshop on Maui, 2014.

He has recently finished working on a USFWS grant for fish habitat restoration, a grant from Hawaii Community Foundation for mangrove removal and ecosystem restoration in Pu'ali wetland, an EPA/DOH grant to monitor pollution discharge from all streams entering Hanalei Bay and a DOH/NOAA/DLNR grant to monitor and remove Japanese tsunami marine debris. He currently co-leads a NOAA Marine Debris Removal grant with Hawaii Wildlife Fund. As head of Kauai Surfrider Foundation's Blue Water Task Force volunteers, for the past 10 years he has been monitoring water quality at beaches and streams throughout Kauai.

With this grant we would like fund the position of Field Operations Manager, Peleke Flores, who comes with 8+ years of leading mangrove removal and fishpond restoration crews and volunteers at the highly successful organization Paepae o He'eia, a nonprofit dedicated to restoring the He'eia fishpond on Oahu. He is also well versed in cultural protocol and will assist Mālama Hule'ia in developing appropriate place based cultural protocol for our work at Alekoko fishpond.

2. **Facilities**

The applicant shall provide a description of its facilities and demonstrate its adequacy in relation to the request. If facilities are not presently available, describe plans to secure facilities.

Not applicable

V. Personnel: Project Organization and Staffing

1. Proposed Staffing, Staff Qualifications, Supervision and Training

The applicant shall describe the proposed staffing pattern and proposed service capacity appropriate for the viability of the request. The applicant shall provide the qualifications and experience of personnel for the request and shall describe its ability to supervise, train and provide administrative direction relative to the request.

Mālama Hulē'ia Staffing: Executive Director and Field Operations Manager along with dedicated volunteer board of directors

Mālama Hulē'ia is developing a comprehensive strategic plan (retreat scheduled January 27 & 28) that will lead to a highly detailed workplan for accomplishing the work set forth at Alekoko fishpond (and Hulē'ia watershed planning). This strategic work plan will guide us step by step over the next 3 years. The Executive Director will be responsible for providing the necessary leadership enabling the organization to accomplish its mission as well as providing the day to day administration necessary to run the organization. The ED has the primary responsibility to support, assist and supervise the organizations' staff to achieve the assigned program goals and objectives in alignment with the organizations' mission and strategic plan. Specific duties and responsibilities include:

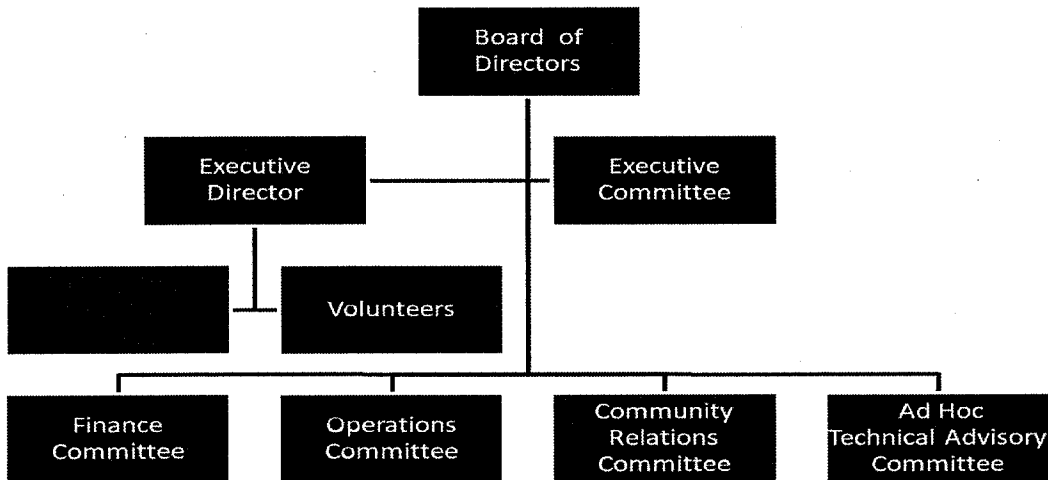
- Communicates and reports effectively to the organizations' Board of Directors
- Convenes quarterly Board of Directors meetings
- Convenes monthly staff meetings
- Coordinates and participates in all staff development opportunities and retreats.
- Acts as the primary spokesperson for the organization
- Ensures that the organization is in good financial standing
- Responsible to secure adequate funding for the operation of the organization
- Ensures that the organization in conducting all program activities in accordance with State and Federal law and terms of the current legal agreement with the land owner
- Upholds organizational goals and targets as are set forth by the organization's Operational Site Plan and Strategic Plan
- As needed, will revise the organization's Strategic Plan to accurately reflect the organization's most up-to-date goals and targets
- Ensures that the organization meets the expectations of its clients, funders and Board.
- Day to day oversight of the organization's operations

Field Operations and Cultural Resource Manager who will oversee The Field Operations and Cultural Resource Manager is responsible for overseeing and managing the mangrove removal and maintenance of the Alekoko fishpond wall and other areas identified as archaeologically sensitive requiring hand-cut hand removal techniques. He/she is also responsible for coordinating and managing on-site staff development and volunteer projects. Additional responsibilities include:

- Maintenance of equipment.
- Provides training to volunteers
- Coordinates chainsaw certification for interns and dedicated volunteers
- Assists and implements mangrove removal and restoration activities.
- Assists in site maintenance and general grounds keeping.
- Responds to and documents any concerns, complaints, grievances made by any community member or neighbor. Reports all concerns to the Executive Director.
- Assists in the management and implementation of Community Workdays and Cultural Site Maintenance Days.
- Advises on cultural protocol

2. **Organization Chart**

The applicant shall illustrate the position of each staff and line of responsibility/supervision. If the request is part of a large, multi-purpose organization, include an organization chart that illustrates the placement of this request.



The placement of this request is shown in red in the above chart.

3. **Compensation**

The applicant shall provide the annual salaries paid by the applicant to the three highest paid officers, directors, or employees of the organization by position.

Position	Salary (not including benefits)
Executive Director	\$63,654
Field Operations Manager ** if this grant is funded	\$41,600**

VI. Other

1. Litigation

The applicant shall disclose any pending litigation to which they are a party, including the disclosure of any outstanding judgement. If applicable, please explain.

N/A

2. Licensure or Accreditation

The applicant shall specify any special qualifications, including but not limited to licensure or accreditation that the applicant possesses relevant to this request.

No professional licensure or accreditations however Mālama Hulē'ia has successfully negotiated a 20-year license agreement to conduct the restoration and long-term stewardship at Alekoko fishpond.

3. Private Educational Institutions

The applicant shall specify whether the grant will be used to support or benefit a sectarian or non-sectarian private educational institution. Please see Article X, Section 1, of the State Constitution for the relevance of this question.

This grant will not be used to support of benefit a sectarian or non-sectarian private educational institution.

4. Future Sustainability Plan

The applicant shall provide a plan for sustaining after fiscal year 2018-19 the activity funded by the grant if the grant of this application is:

- (a) Received by the applicant for fiscal year 2018-19, but
- (b) Not received by the applicant thereafter.

5. Certificate of Good Standing (If the Applicant is an Organization)

If the applicant is an organization, the applicant shall submit one (1) copy of a certificate of good standing from the Director of Commerce and Consumer Affairs that is dated no earlier than December 1, 2017.

Attached

6. **Declaration Statement**

Attached

The applicant shall submit a declaration statement affirming its compliance with Section 42F-103, Hawaii Revised Statutes. ([Link](#))

7. **Public Purpose**

The applicant shall specify whether the grant will be used for a public purpose pursuant to Section 42F-102, Hawaii Revised Statutes. ([Link](#))

This proposal will be used for a public purpose. The project request is for funding to support a position for program development and volunteer management. This person will allow Mālama Hulē'ia to better outreach, work with, and support community efforts that work collectively to take care of the environment and increase the health of the Hulē'ia river, a public resource.

BUDGET REQUEST BY SOURCE OF FUNDS

Period: July 1, 2018 to June 30, 2019

App

Malama Hule'i

*please note that our federal grant request is for a 2-year grant period, this budget shows 50% of the total federal request to match this grant period.

BUDGET CATEGORIES	Total State Funds Requested (a)	Total Federal Funds Requested (b)	Total County Funds Requested (c)	Total Private/Other Funds Requested (d)
A. PERSONNEL COST				
1. Salaries	41,600			63,654
2. Payroll Taxes & Assessments	8,324			12,737
3. Fringe Benefits	6,794			6,794
TOTAL PERSONNEL COST	56,718			83,185
B. OTHER CURRENT EXPENSES				
1. Airfare, Inter-Island				
2. Insurance				
3. Lease/Rental of Equipment				
4. Lease/Rental of Space				
5. Staff Training				
6. Supplies				
7. Telecommunication				
8. Utilities				
9. Mangrove Removal Contract-Heavy equip. use w/ Earthworks Company \$929,982 over 2-year period (budget period showing 50%)		464,991		22,750
10 Tools & supplies for volunteers				1,000
11 Nursery supplies and consultant contract				7,500
12 Biological Monitor				5,000
13 Predator Control Supplies				12,500
14				
15				
16				
17				
18				
TOTAL OTHER CURRENT EXPENSES		464,991		48,750
C. EQUIPMENT PURCHASES				
D. MOTOR VEHICLE PURCHASES				
E. CAPITAL				
TOTAL (A+B+C+D+E)	56,718	464,991		131,935
SOURCES OF FUNDING		Budget Prepared By:		
(a) Total State Funds Requested	56,718	Sara Bowen (360)820-0979		
(b) Total Federal Funds Requested	464,991	Name (Please type or print) _____ Phone		
(c) Total County Funds Requested	Not awarded	Signature _____ Date		
(d) Total Private/Other Funds Requested	131,935	January 18, 2018		
TOTAL BUDGET	653,644	Sara Bowen Executive Director		
		Name and Title (Please type or print)		

BUDGET JUSTIFICATION - PERSONNEL SALARIES AND WAGES

Period: July 1, 2018 to June 30, 2019

Applicant: Malama Hule'ia

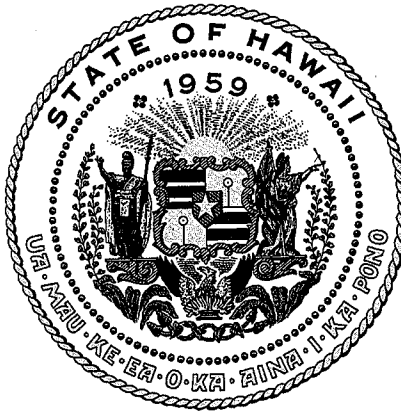
POSITION TITLE	FULL TIME EQUIVALENT	ANNUAL SALARY A	% OF TIME ALLOCATED TO GRANT REQUEST B	TOTAL STATE FUNDS REQUESTED (A x B)
Field Operations Manager	1	\$56,718.00	100.00%	\$ 56,718.00
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
TOTAL:				56,718.00
JUSTIFICATION/COMMENTS: The funding requested in this grant proposal is for one full time Field Operations Manager who will be responsible for mangrove removal, cultural protocol and managing volunteers on-site for Alekoko fishpond restoration. The funding for this position will be used as match for a large federal coastal wetlands restoration grant.				

GOVERNMENT CONTRACTS, GRANTS, AND / OR GRANTS IN AID

Applicant: Malama Hule`ia

Contracts Total: 929,982

	CONTRACT DESCRIPTION	EFFECTIVE DATES	AGENCY	GOVERNMENT ENTITY (U.S. / State / Haw / Hon / Kau / Mau)	CONTRACT VALUE
1	Note: At this time we are not under any government contracts, grants or grants in aid,				
2	however we are likely to be awarded a federal, USFWS Coastal Wetlands Restoration Grant.				
3	The award notice is expected by the end of January 2018.				
4	It is included here though not yet awarded.				
5					
6	Coastal Wetlands Restoration Grant	2018 - 2020	USFWS	U.S.	929,982
7	for Alekoko Fishpond Mangrove Removal and				
8	Wetland Restoration				
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Department of Commerce and Consumer Affairs

CERTIFICATE OF GOOD STANDING

I, the undersigned Director of Commerce and Consumer Affairs of the State of Hawaii, do hereby certify that

MĀLAMA HULĒ`IA

was incorporated under the laws of Hawaii on 08/01/2014 ; that it is an existing nonprofit corporation; and that, as far as the records of this Department reveal, has complied with all of the provisions of the Hawaii Nonprofit Corporations Act, regulating domestic nonprofit corporations.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of the Department of Commerce and Consumer Affairs, at Honolulu, Hawaii.

Dated: January 18, 2018

Director of Commerce and Consumer Affairs



**DECLARATION STATEMENT OF
APPLICANTS FOR GRANTS PURSUANT TO
CHAPTER 42F, HAWAII REVISIED STATUTES**

The undersigned authorized representative of the applicant certifies the following:

- 1) The applicant meets and will comply with all of the following standards for the award of grants pursuant to Section 42F-103, Hawaii Revised Statutes:
 - a) Is licensed or accredited, in accordance with federal, state, or county statutes, rules, or ordinances, to conduct the activities or provide the services for which a grant is awarded;
 - b) Complies with all applicable federal and state laws prohibiting discrimination against any person on the basis of race, color, national origin, religion, creed, sex, age, sexual orientation, or disability;
 - c) Agrees not to use state funds for entertainment or lobbying activities; and
 - d) Allows the state agency to which funds for the grant were appropriated for expenditure, legislative committees and their staff, and the auditor full access to their records, reports, files, and other related documents and information for purposes of monitoring, measuring the effectiveness, and ensuring the proper expenditure of the grant.

- 2) If the applicant is an organization, the applicant meets the following requirements pursuant to Section 42F-103, Hawaii Revised Statutes:
 - a) Is incorporated under the laws of the State; and
 - b) Has bylaws or policies that describe the manner in which the activities or services for which a grant is awarded shall be conducted or provided.

- 3) If the applicant is a non-profit organization, it meets the following requirements pursuant to Section 42F-103, Hawaii Revised Statutes:
 - a) Is determined and designated to be a non-profit organization by the Internal Revenue Service; and
 - b) Has a governing board whose members have no material conflict of interest and serve without compensation.

Pursuant to Section 42F-103, Hawaii Revised Statutes, for grants used for the acquisition of land, when the organization discontinues the activities or services on the land acquired for which the grant was awarded and disposes of the land in fee simple or by lease, the organization shall negotiate with the expending agency for a lump sum or installment repayment to the State of the amount of the grant used for the acquisition of the land.

Further, the undersigned authorized representative certifies that this statement is true and correct to the best of the applicant's knowledge.

Malama Hule`ia
(Typed Name of Individual or Organization)

(Signature) January 18, 2018
(Date)

Sara Bowen
(Typed Name) Executive Director
(Title)