



**A Proposal to  
Hau'oli Mau Loa Foundation  
for  
2024 CGAPS Invasive Species Prevention Projects**

## Introduction

The CGAPS Steering Committee and staff are grateful and excited to continue our environmental protection work with Hau'oli Mau Loa Foundation by preventing the establishment of invasive species, including preventing Rapid 'Ōhi'a Death (ROD) from spreading across the state. With Foundation support, CGAPS will continue to implement the key actions to meet each of the ten strategies in the [HISC & CGAPS 2025 Strategy](#) (summarized on pg. 2) and the [2020-2024 ROD Strategic Response Plan](#). In light of the many key actions and measures in these two Strategies, CGAPS has proposed an abbreviated set of [benchmarks or measures](#) for the next five years:

**Benchmark 1:** Prevent the arrival and/or establishment of the following five priority invasive species: Asian longhorned beetle (*Anoplophora glabripennis*), Red Imported Fire Ant (*Solenopsis invicta*), pampas grass (*Cortaderia selloana*), Stony Coral Tissue Loss Disease (SCTLD, causal pathogen not yet isolated), and pulse coral (*Unomia stolonifera*).

**Benchmark 2:** Raise or maintain strong awareness and support (70%+ in polls) for key invasive species issues.

**Benchmark 3:** Increase the annual level of support from an existing partner or gain annual support from at least one new partner.

Although luck also plays a role in whether or not a species arrives in Hawai'i, preventing the arrival or establishment of the species listed in Benchmark 1 will require the CGAPS staff and community to accomplish many of the key actions in the 2025 Strategy. As such, CGAPS will be working to fill known gaps to reduce or mitigate risk and build or maintain capacity to detect, respond to, and eradicate new high-risk invasive species.

In addition to these new benchmarks, CGAPS and HISC continue to appreciate and work closely with the Hawai'i Green Growth team on the [2017-2027 Hawai'i Interagency Biosecurity Plan](#) (HIBP) and related Aloha+ goals. The HIBP is in its sixth year and here has been a reduction in focus on, and funding for, the HIBP priorities since the start of the pandemic. HISC staff have taken the lead on evaluating and re-focusing the remaining actions in that plan. This will likely lead to an extended timeline, making the HIBP a "2030 goal" which also aligns with several other Aloha+ goals.

The coming year will also be the year to reflect on and review the progress made over the past five years of the ROD Strategic Response and to form a new plan for research, prevention, control, and outreach for 2025-2030.

Once again, mahalo nui loa for partnering with CGAPS to protect Hawaii's environment and for helping CGAPS to better position itself for success.

Coordinating Group on Alien Pest Species  
P.O. Box 61441  
Honolulu, Hawai'i 96839  
(808) 722-0995  
[www.cgaps.org](http://www.cgaps.org)

## HISC & CGAPS 2025 Strategy: Executive Summary

Together, the Hawai'i Invasive Species Council (HISC) and Coordinating Group on Alien Pest Species (CGAPS) networks will implement ten priority strategies to achieve our shared vision:

***Hawaii's natural environment, agriculture, economy, and the health, lifestyle, and culture of its people are protected from the impacts of invasive species.***

Invasive species are the greatest driver of biodiversity loss on islands, and the single greatest threat to Hawaii's economy, natural environment, and the health and lifestyle of Hawaii's people and visitors (IUCN; LRB 2015). Yet it is now clear that climate change impacts are increasing, and that these dual threats have direct, indirect, and interacting effects. Preventing and managing high-impact invasive species is essential for maintaining and enhancing the resilience of forests and reefs, and the services they provide. In implementing these Strategies, HISC and CGAPS will continue to ensure that we:

- Manage for change, not just for persistence
- Reconsider goals, not just strategies
- Integrate adaptation into existing work

The HISC & CGAPS 2025 Strategy will guide leadership and action by both networks over the next five years, including growing Hawaii's invasive species networks to engage new partners critical to success. The Strategy was derived from priority needs detailed in the Hawai'i Interagency Biosecurity Plan, with additional targeted Strategies that will be necessary for implementation. Many of the Strategies and Key Actions are already being implemented by many committed partners with a track record for leading effective invasive species initiatives across the archipelago. This is a "living plan", and it will be adapted over time based on results, lessons learned, innovations and new partners.

1. Prevention & Early Detection/Rapid Response for New Terrestrial Invasions – to keep top terrestrial invasive threats from arriving and establishing in the state.
2. Inter/Intra-Island Movement of Terrestrial Invasive Species – to reduce the spread of invasive species between and across islands.
3. Aquatic Biosecurity – to prevent the introduction and spread of aquatic invasive species.
4. Large-Scale Control of High-Impact Invasive Species – to expand management of widespread, high-impact species (e.g. mosquitoes, rats, marine algae).
5. Pacific Regional Biocontrol Center – to increase biocontrol work and critical infrastructure in Hawai'i.
6. Increased & Diversified Funding for Invasive Species Priorities – to secure at least \$100M annually by 2025 from federal, state, county and private sources.
7. Engaged & Supportive Community – to maintain strong community support (70%+ in polls) and mobilize action on these 2025 Joint Strategies.
8. HISC Engagement Across Sectors – to improve engagement and support of all key agencies.
9. Strong CGAPS Network - to engage all partners needed to implement these 2025 Joint Strategies.
10. Stable CGAPS Funding & Staffing - to provide core support for CGAPS operations.



## **Project: CGAPS Legal Fellows** **(Benchmark 1; Strategies 1, 2, 3, and 4)**

### **Executive Summary**

Funding for this project will provide continued salary and operational support for two full-time University of Hawai'i (UH) William S. Richardson School of Law-Environmental Law Institute Legal Fellows (herein CGAPS Legal Fellows), and up to two interns to work in collaboration with CGAPS and relevant agencies in reviewing invasive species prevention-related statutes and rules, providing internal analyses, and drafting improved statutes and rules for consideration.

### **Background**

The CGAPS Law Fellowships continue to provide critical support and services focused on the invasive species prevention actions detailed in the HISC & CGAPS 2025 Joint Strategy to achieve Benchmark 1, preventing the arrival and establishment of five indicator species. The work of the CGAPS Legal Fellows has improved invasive species prevention rules and policies at the county, state, national, and even international levels, all to Hawaii's benefit. The CGAPS Legal Fellows also participate in UH William S. Richardson School of Law classes and workshops in their areas of expertise as time permits, to foster an understanding of invasive species issues within the learning community.

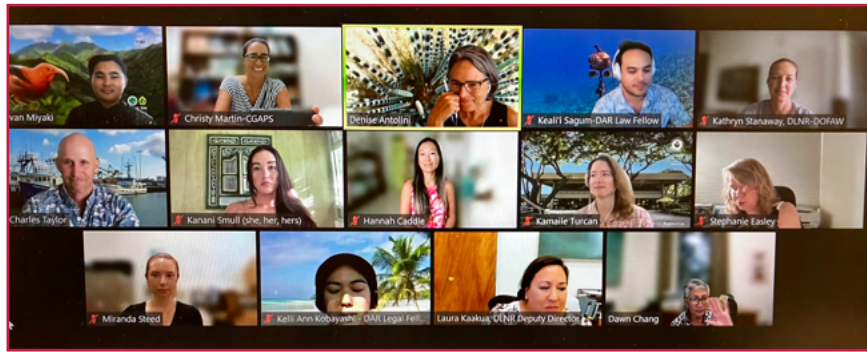
In 2023, CGAPS Terrestrial Invasive Species Legal Fellow Stephanie Easley provided support to the Hawai'i Department of Agriculture (HDOA) by analyzing the agency's statutory authority and rules, and by providing analyses, draft language, and other materials for HDOA and Board of Agriculture consideration. One draft rule is in the rulemaking process and two proposed draft rule packages are awaiting HDOA action. If passed, these rules would provide better protection from new pests from domestic sources, bolster interisland regulations to mitigate the spread of Coconut Rhinoceros Beetle, allow HDOA to quarantine infested commodities that are available to the public, and to require treatment prior to sale to prevent the on-island spread of pests.

Stephanie also provided support to HISC by continuing to work on proposed draft administrative rules and continued to support the Chairs of the Prevention Working group with HISC's Leyla Kaufman. Each year, Stephanie also provides support for Strategy 6 (Increased & Diversified Funding) by working with CGAPS colleagues and HISC staff to draft Congressional appropriations requests which are submitted by CGAPS and DLNR as part of the agency's priority package.

Longtime CGAPS Aquatic Invasive Species Legal Fellow Andrew Porter continued to support the Department of Land and Natural Resources-Division of Aquatic Resources (DLNR DAR) in addressing marine invasive species prevention issues, primarily focused on vessel ballast water and biofouling as the major pathways. Andrew continues to participate in local, regional, and national work on Stony Coral Tissue Loss Disease (SCTLD) and is part of a core team working on local and national efforts to prevent its transmission to Hawai'i and Pacific territories.

The Legal Fellows also collaborate on many of these complex initiatives, by

participating in team meetings, reviewing and commenting on draft language for each other's projects, and more. In the fall of 2023, the Environmental Protection Agency posted for public comments a Supplemental Notice with revised draft performance standards as part of the Vessel Incidental Discharge Act rulemaking



*Monthly networking meetings allow current and former Legal Fellows and “friends” to meet and learn from each other. DLNR Chair Dawn Chang and Deputy Laura Kaakua joined to hear about the great work being done by the Fellows.*

and the CGAPS Legal Fellows have been actively working with partners to assess the implications and provide official comments on behalf of CGAPS and DLNR DAR.

A small grant from DLNR in 2023 covered a funding gap and will enable both fellows to work through January 2024. This request is for \$196,000, which would support two FTE through January 2025, with minimal travel, materials and supplies, and funds for one 8-week intern (or two 4-week interns) from the UH William S. Richardson School of Law. The CGAPS Legal Fellows will continue to work on the following ongoing issues in 2024, among others:

- Support HDOA in reviewing and revising statutes and rules related to prevention, early detection & rapid response, intrastate and interstate movement focused on preventing Benchmark species;
- Support DLNR DAR in securing additional authorities and capacity related to SCTLD prevention and emergency response, and the permanent rules for interim rules and any new authorities;
- Support the national SCTLD prevention team by summarizing existing local, national, and international regulations related to SCTLD transmission pathways;
- Support the implementation of the HISC and CGAPS 2025 Joint Strategy and the Hawai'i Interagency Biosecurity Plan;
- Participate in UH William S. Richardson School of Law lectures, classes, workshops, or other learning events where appropriate.

## **Deliverables**

The deliverables will consist of a year-end final report provided in January 2025 on Benchmarks, with additional details on the 2025 Strategy.

**Budget: \$196,000** (\$9,800 UHF)



## Project 2: Core Support for CGAPS Program Manager and Planner (Benchmarks 1-3; Strategies 1-7, 9, and 10)

### Executive Summary

Funds are requested for four months of salary/fringe plus annual operating support for the CGAPS Program Manager/Public Information Officer (herein CGAPS Program Manager), and eleven months of salary/fringe plus operating costs for the CGAPS Planner. The Program Manager plans and manages CGAPS projects and staff; facilitates inter- and intra-agency communication; coordinates and catalyzes collaborative projects towards the goals outlined in the HISC & CGAPS 2025 Strategy. The CGAPS Planner plans and conducts projects and tasks in support of the HISC & CGAPS 2025 Strategy, assists in coordinating the CGAPS partnership, and strengthens communication networks. With foundation support, both staff focus will focus on the HISC & CGAPS 2025 Strategies and key actions necessary to achieve the new benchmarks. As a project of the University of Hawaii's Pacific Cooperative Studies Unit (UH PCSU), CGAPS staff also conduct and coordinate research, work with UH faculty to provide learning opportunities for students, and function as a connector between the University's knowledge base, resource management agencies, and the community.

### Background

The University of Hawai'i is a key resource in the effort to protect Hawaii's natural resources, economy, and residents from the threats posed by invasive species. Under the direction of UH PCSU Director Dr. Shaya Honarvar and in partnership with the CGAPS Chair and Steering Committee, this project will benefit UH by integrating faculty, researchers, and students in Hawaii's biosecurity programs. Close collaboration between biosecurity agencies and the University also provides research, coordination, and outreach capacity where there are currently gaps, and in turn, greater integration between the University and Hawaii's biosecurity programs will enable faculty to identify job training and research pathways.

The role of CGAPS—a partnership of federal and state agencies and non-government organizations—is to identify gaps in Hawaii's biosecurity programs, and work to bridge or fill these gaps which are articulated in the HISC & CGAPS 2025 Strategy. The CGAPS staff



*CGAPS Program Manager Christy Martin and Planner Kailee Lefebvre met with staff from each of Hawaii's congressional delegates. Above are Jen Burks and Jed D'Ercole from Senator Hirono's office.*

catalyze, coordinate, and in some cases, implement projects or initiatives to advance the Strategy. CGAPS Program Manager Christy Martin and Planner Kailee Lefebvre, along with the ROD Statewide Outreach Coordinator Ambyr Miyake (whose PI is Dr. Michael Melzer of UH CTAHR), and the CGAPS Legal Fellows Stephanie Easley and Andrew Porter (whose co-PIs are David Forman and Richard Wallsgrove of UH William S. Richardson School of Law-Environmental Law Program) serve as informational resources and collaborators for the UH community.

In 2023, Christy continued to supervise the CGAPS staff and advise on projects while also leading or participating in a range of other projects. Christy continued to lead the multi-agency O'ahu Little Fire Ant response, which now has more than 40 active infestations, and mentored Kailee as she led the statewide Stop the Ant Month campaign in October to engage people in collecting and submitting ants for identification. In the spring, efforts focused again on the State legislature and congressional appropriations processes. Christy also continued to co-chair the Public Outreach Working Group which focused on Strategy 7 (engaged & supportive community) and set up a new multi-agency response related to the pulse coral situation in Pearl Harbor. In addition to CGAPS duties, Christy was appointed to a two-year term on the Invasive Species Advisory Committee (ISAC) which provides support and advice to the National Invasive Species Council.

In addition to planning and organizing quarterly CGAPS meetings and other information-sharing meetings, Kailee's work in 2023 included working on a second civics project that again engaged teachers and students from across Hawai'i to work with legislators to introduce and successfully pass a resolution for a day in celebration of native honeycreepers. This work provided public engagement and support for Strategy 4 (large-scale control of high-impact invasive species) and Strategy 7. Kailee also continued to provide critical capacity to several responses including the Coconut Rhinoceros Beetle response on Kaua'i, the O'ahu Little Fire Ant response, and public outreach in support of the ROD Strategic Response.

Support is requested for an estimated four months of salary and fringe, domestic and/or international travel, small contracts, and other operating funds to support the CGAPS Program Manager (1 FTE), costs which are shared between partners.

Support is also requested for approximately eleven months of salary and fringe, travel, and operating costs for the CGAPS Planner (1 FTE). HISC funds will also support two months of salary and fringe to cover this position through January 2025. The budget for the Planner includes a cost-of-living increase that may be implemented in July 2024 in addition to an earned merit increase.

The return of in-person conferences and meetings has again prompted an increase in requested funds for domestic and international travel and participation in these events. In addition, funds would support small contracts such as maintenance for the CGAPS and collaborative websites, food and refreshments for meetings, facilitation, and graphic design other design or communications work. Some costs may be used to support components of a Hawaii field meeting of the ISAC, most costs of which would be supported by the NISC. Costs not covered by the NISC would include coffee and refreshments and possibly field trip transportation with box lunch.

CGAPS is able to conduct its work without the help of the Pacific Cooperative Studies Unit, which provides assistance in the areas of human resources, budget/ accounts tracking, purchasing, reimbursements, and the tracking of grants and other paperwork through the various UH offices. A nominal amount of grant funds also supports these functions.

### **Deliverables**

Progress reports are provided to the CGAPS Steering Committee and funders at quarterly meetings, and a final report will be produced and shared within the month following the end of the calendar year. The new benchmarks will be used as measures. Additional measures of effectiveness will be included for projects where appropriate.

**Budget: \$161,000** (\$8,050 UHF)

## **Project 3: Support for Hawai'i Green Growth (Benchmark 1 and 2; Strategies 7 and 9)**

### **Executive Summary**

Funds are requested to provide support for Hawai'i Green Growth Local 2030 Hub (herein Hawai'i Green Growth or HGG) and their work on the 2024 partnership goals, including the implementation of the 2017-2027 Hawai'i Interagency Biosecurity Plan (HIBP) and related Aloha+ Challenge goals.

### **Background**

Funds are requested to provide a portion of the core support for HGG and its multi-sectoral approach to catalyze action across government, private sector, and civil society to promote a culture of sustainability through the Aloha+ Challenge. HGG's working groups and activities include the Policy & Legislation Working Group and the Measures & Data Working Group, which inspire and facilitate collaboration, transparency, and tracking of the progress towards our collective sustainability goals, including progress towards implementing the HIBP.

HGG's strategy of engaging county, state, and other leaders and creating forums where leaders publicly commit to meeting the Aloha+ Challenge goals provides the framework for continuing progress on the network's priorities through changing administrations. Through



*Governor Josh Green and Hawaii County Mayor Mitch Roth participated in a student-led panel at HGG's annual partnership event. HGG engages leaders and participants on the Aloha+ Challenge, the HIBP, and related sustainability issues.*



participation in HGG network meetings and activities, CGAPS taps into a broader network for shared messaging and support for addressing invasive species issues. HGG's events and meetings provide a forum and framework for cross-sectoral awareness- and collaborator-raising.

HGG held its annual partners meeting on October 24 at the East-West Center Imin International Conference Center which brought together over 175 partners from across government, business, and civil society to accelerate and scale solutions to achieve Hawaii's Aloha+ Challenge and the global Sustainable Development Goals (SDGs). Financial support for HGG is shared among multiple agencies and entities. Funding is requested to provide partial support to HGG for core operations and projects. As a registered 501-c3, HGG is able to administer their own funds.

### **Deliverables**

With continued support, HGG will be able to engage leaders, network partners, and the community in meeting the Aloha+ Challenge. HGG will provide updates and a year-end report to be incorporated into the CGAPS annual report.

**Budget:** \$25,000 (Checks may be written out to "Hawai'i Local2030 Hub" and mailed to HGG at 1601 East-West Road, Honolulu, Hawai'i 96848).

## **Communications for Aquatic Biosecurity** **(Benchmarks 1 and 2; Strategies 3 and 7)**

### **Executive Summary**

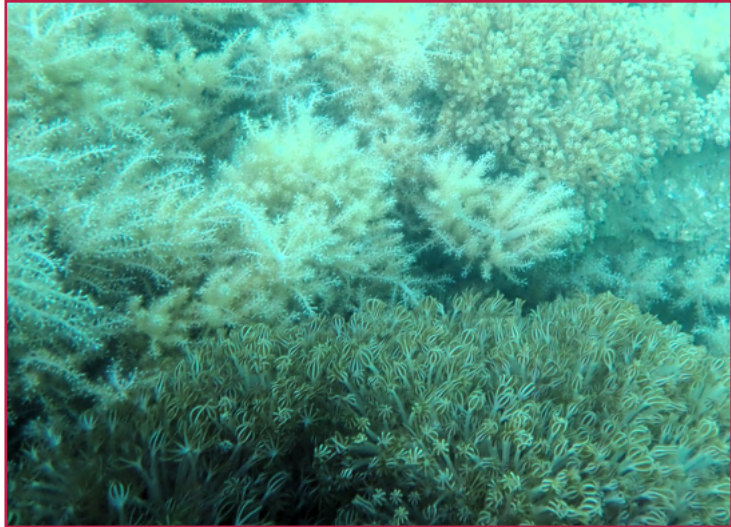
There are several invasive marine aquarium trade species that are spreading in Hawai'i waters, all are restricted for importation and possession. Despite a law against releasing pet animal species into the wild, it appears that this has occurred on several occasions. Funds would support a multi-pronged communications strategy to raise awareness of this and other marine invasive species issues such as SCTLD, reduce pet releases, encourage reporting of unusual marine species, and help agencies improve their capacity and ability to prevent and respond to marine invasive species.

### **Background**

Since January 2023, CGAPS has facilitated bi-monthly multi-agency/NGO meetings in support of the U.S. Navy's goal of eradicating pulse coral (*Unomia stolonifera*) from Department of Defense (DOD) waters at Joint Base Pearl Harbor Hickam. During that time, three additional aquarium species were found in the same core area of the pulse coral infestation, including a second octocoral called Kenya tree coral (*Capnella spicata*), a hammer coral (species not yet identified), and a pair of goldspotted angelfish (*Apolemichthys xanthopunctatus*), lending additional evidence that this was the result of a home aquarium release. Two additional non-native marine species have also been found, one is an unidentified corallimorph that may represent a separate aquarium release event. The other is manjano anemone (*Anemonia manjano*)

which was discovered in nearshore waters at Ford Island, close to a park and DOD housing. Recent observations of its spread by NOAA staff have raised concerns about its potential to attach to floating debris that flow from Pearl Harbor into the ocean, and possibly vessel hulls.

These six species appear to be at least two and possibly three separate aquarium release events. Two other non-native marine invertebrates not in DOD waters may also be the result of purposeful (and illegal) dumping or placement. All species found to date are restricted species and therefore illegal to import and keep in Hawai'i and were likely purposefully "released", although there is no indication that these were malicious releases.



*The release of aquarium species not allowed for import and possession in the state has resulted in infestations of aggressive species of coral-smothering octocoral like pulse coral (lower half of image) and Kenyan tree coral (upper half of image).*

There is an active community of divers and snorkelers in Hawai'i including recreational and professionals with agencies that conduct underwater surveys and there is no indication that these species have spread or been released elsewhere. However, there are areas where divers may not go (e.g. DOD waters) and there are clear indications that at least the pulse coral and manjano anemone can bud or break off and attach to other structures and drifting debris and both infestations are in areas where vessels are active. As such, these species have the clear potential to spread to the reefs of the state and would severely impact reef ecosystems and DOD operations in perpetuity.

As this is an emerging issue, all details of this project have not been fully developed. However, approximately half of the funds (\$8,000) would support Bishop Museum in creating outreach pieces including a new web page, social media and articles, and incorporating marine invasive species messages into a display at the museum. The remaining amount (\$8,200) would support contract/s that may include assistance with professional communications services for this and other marine invasive species issues such as SCTLD, and potentially for the creation of short videos or print materials for use in the display and social and other forms of media. Grant administration by the Hawai'i Conservation Alliance Foundation would facilitate a contract with Bishop Museum who has been an active participant in the multi-agency work on this issue. A two-year timeline for this project.

## **Deliverables**

Progress reports are provided to the CGAPS Steering Committee and funders at quarterly meetings, and a final report will be produced and shared within the month

following the end of the calendar year. The new benchmarks will be used as measures. Additional measures of effectiveness will be included for projects where appropriate.

**Budget:** \$18,000 (\$1,800 HCAF)

## **Rapid ‘Ōhi‘a Death (ROD) Supplemental Request: ROD Prevention Outreach & Diagnostics** *(Benchmark 2; Strategies 2 and 7)*

### **Executive Summary**

The ROD Strategic Response, a multi-agency & non-governmental organization response to this unprecedented emergency. The University of Hawai‘i plays a major role in the research, response, community outreach, and strategic planning related to ROD. This project would provide continued funding to support outreach to prevent the spread of ROD to islands where the more virulent pathogen is absent, and diagnostic work which is vital for the entire framework of the ROD Strategic Response. Funds will also support activities related to evaluating benchmarks from the existing Strategy and collaborative strategic planning for the 2025-2030 ROD Strategic Response Plan.

### **Background**

The two pathogens that cause ROD can be spread long distance when people move items contaminated with the disease spores. This can include soil on shoes, machetes or tree trimming equipment used on infected ‘ōhi‘a, on or in ‘ōhi‘a logs, or infected ‘ōhi‘a plants and plant parts. Outreach messages must inform and inspire behavioral changes in a wide range of forest users that could unwittingly spread the disease.

In 2023, ROD Statewide Outreach Coordinator Ambyr Miyake and colleagues planned and hosted the annual train-the-trainers outreach workshop in person in Hilo, after several years of online annual workshops. For many, it was the first time attending the learning and networking event and it was the first time for many to see ROD in the field. Additional outreach events such as the ‘Ōhi‘a



*The in-person ROD train-the-trainer workshop resumed in 2023 and brought participants from across the state to Hilo for lab and site visits and outreach message training.*

Love Fest in November were run as smaller in-person events on Hawai'i island, Maui, O'ahu, and Kaua'i, and each event was well-attended. Awareness of ROD is quite high although 73% of O'ahu residents had heard of the disease compared to 93% of residents on neighbor islands (2022 Ward Research for CGAPS). In addition, the ROD outreach team continues to work on behavioral changes to reduce risks from deeply ingrained or traditional behaviors.

Supplemental funding would support approximately six months of salary and annual operating costs for the ROD Statewide Outreach Coordinator to continue coordinating and implementing ROD prevention outreach messages. The focus will continue to be on engaging partners and potential partners to increase outreach capacity and extend the reach of ROD prevention messages, and on conducting direct outreach to key audiences. Funds will also support the 5-year review and strategic planning activities for the next five-year plan. Operating costs include some travel and conference participation funds, and the annual in-person train-the-trainer outreach workshop with a ROD site visit focused on engaging additional outreach capacity.

Funds would also support planning work for the 2025-2030 ROD Strategic Response Plan, including a research and outreach review workshop in the spring, drafting and production of the plan, and a ROD Summit in the fall of 2024 to bring researchers, managers, and leaders together. Costs may also include the design, layout, and printing of the 2025-2030 plan, a ROD Summit to share highlights with decision makers, agencies, and other land managers, and food and refreshment costs for some of these meetings.

Funding is also requested to support five months' salary and annual operating costs for the University of Hawai'i-College of Tropical Agriculture and Human Resources (UH CTAHR) laboratory technician in the USDA Agricultural Research Service (USDA ARS) lab to conduct diagnostics on the many samples submitted for the detection of the ROD pathogens. This includes testing all 'ōhi'a wood samples from 'ōhi'a logs for shipment in support of the HDOA quarantine rule and samples collected by survey teams on each island. This lab also tests a variety of environmental samples such as soil, ambrosia beetles, boring sawdust from the beetles, and even wild pigs and cattle, etc., for the presence or absence of the pathogens to better understand the ways that ROD can be spread. This position was vacant for a few months in 2023 after our original technician Eva Brill moved to be closer to family. Funds will support five months of salary and fringe, travel, and some operating costs for the new diagnostician.

These two key positions have been funded through a mixture of state, federal, county, and NGO funds over the years with Foundation and state funds used in 2023. Drs. Michael Melzer and J.B. Friday of UH Mānoa CTAHR will continue as the Principal Investigators.

## **Deliverables**

Updates and a final report on the work and results for these two key positions will be provided, including links to recorded workshops, presentations, and other materials.

**Budget: \$100,000 (\$5,000 UHF)**

## 2024 Budget

Item	Projects	Term	Admin	Direct	Overhead	Total
1	Legal Fellowship Support. Salary, fringe (through 1/31/25) & operating support for two legal fellows + up to 2 interns	12/31/2025	UHF	\$ 186,200	\$ 9,800	\$ 196,000
2	CGAPS Core Support. Partial salary, fringe (through 1/31/25) & operating support for Program Manager (4 mo) and Planner (10 mo), projects, PCSU project support	12/31/2025	UHF	\$ 152,950	\$ 8,050	\$ 161,000
3	Support for Hawai'i Green Growth. Annual support for multi-sector approach to sustainability, incl. invasive species priorities	12/31/2024	Hawai'i Local2030 Hub	\$ 25,000	\$ -	\$ 25,000
4	Communications for aquatic biosecurity	12/31/2025	HCAF	\$ 16,200	\$ 1,800	\$ 18,000
<b>Total</b>						<b>\$ 400,000</b>

Item	ROD Supplemental Projects	Term	Admin	Subtotal	Overhead	Total
1	Outreach & Diagnostics. Partial salary, fringe (through 1/31/25) & operating support for ROD Statewide Outreach coord and ROD diagnostician, outreach workshop	12/31/2025	UHF	\$ 95,000	\$ 5,000	\$ 100,000
<b>Total</b>						<b>\$ 100,000</b>