



CGAPS 1st Quarter General Meeting – March 10, 2022 9a-12p

***These notes are uncorrected by speakers and participants—they represent a sense of the meeting and information shared. Readers and users are urged to verify data or information with the speaker.**

Welcome and Introductions: Chair, Adam Radford

- In attendance: Ambyr Mokiao-Lee, Kailee Lefebvre, Christy Martin, Dorothy Alontaga, Joshua Fisher, Adam Radford, Andrew Porter, Andy Cullison, Angela Kieran-Vast, Benton Pang, Cathy Davenport, Chelsea Arnott, Chuck Chimera, Danielle Frohlich, Erin Bishop, Franny Brewer, Gracelda Simmons, Helmuth Rogg, Janet Ashman, Keith Weiser, Koki Atcheson, Leyla Kaufman, Michael Melzer, Molly Murphy, Nathan Dube, Rebecca Chong, Robert Hauff, Stephanie Easley, Teya Penniman, Tiffani Keanini, Candice Sakuda, Kimberly Fuller, Lori Buchanan, Janet Ashman, Kyoko Johnson, Shahin Ansari

HDOA-Plant Industry, PQ, PPC: Helmuth Rogg

- Detected new species (2 new moths). *Diacrotricha fasciola* Starfruit flower moth (found in Hilo) and *Trachylepidia fructicassella* pyralid moth attacks cassia seeds (found on Oahu). Detected winter rust on Maui (*puccinia* spp.).
- Legislative update: lost significant amount of general funds. Switch to special funds (cargo fees). This has to cover PPC and PI staff. Have to cover fringe benefits out of funds and submitted a new budget to legislature to cover these costs. CIP request to convert a facility to a new quarantine facility. This new facility would increase capacity by 50%. Working on pesticides bill and disposal program. Questions from legislators about vacancies and we have been having a hard time with qualified candidates. Hiring for plant pathologist but still short staffed at PQ. Way below desired increase in staff as lined out in the Biosecurity Plan.
- Assisting in collaborative efforts like *Wolbachia* mosquito project. Working with others on coqui eradication in Waimanalo (challenge is limited funding and terrain). Also working with HAL and still continuing to get more funding. Just signed the 2-lined spittlebug contract with RCUH for a reimbursement program for ranchers. Continuing with CBB and CLR work for coffee. For CRB, we have been working on a compliance agreement for an interim rule to hopefully mitigate for CRB on Oahu. Also working on a firewood external quarantine.
- **BOLO: New coffee pest coffee leaf miner just popped up on our database. It is the first US record and occurred in Florida. Not a good situation.**



USDA APHIS: Dorothy Alontaga

- We do foreign inspections and due to shipping lines, there will be a trend with inspections that will go through a mainland port. Sometimes they have a different focus than HI. Foreign produce will come in as cleared on the mainland and this could be a growing problem for HI.
- Post entry program: we are the only state with a very robust program. Plants for planting (high risk) that are restricted except to come to the owner first and grown out to see if any pests have been found. HDOA and USDA has a program to have a containment facility to monitor imports. These facilities are funded by the importers.
- May get a federal order for myrtaceae cut flowers instead of regulation interim.

DHS Customs & Border Protection: Rebecca Chong

- Things are changing and flights are starting to come back. Things are slower compared to pre-COVID. Volume as far as cargo (air, sea, etc.) has been consistent throughout the pandemic. E-commerce through the roof and ever-increasing. We have 7 new ag specialists that started during the pandemic and they are still in training (should be finished with training by summer).
- HIRAC meetings are held quarterly. Worked alongside HDOA to look at flowers for Valentine's Day and Christmas. We have not had a joint effort like this before so it was great for the collaboration.
- Inspect cargo from Guam and x rayed about 300 or so pieces of cargo and didn't find much. For sea cargo, we did an operation looking for spotted lantern flies from Asia, ended up intercepting Brown marmorated stink bug.

DLNR DAR AIS, DOFAW: Kimberly Fuller; Rob Hauff

- Kim Fuller (DAR): continued algal management, outplanted over 850,000 urchins in Kaneohe Bay and Waikiki MLCD's. We are hosting a workshop to teach people about algae that could make it's way to main Hawaiian Islands. Identified 131 unique species and one new species was found through some of these projects.
- Rob Hauff (DOFAW): We are recruiting for the HISC Coordinator and looking to have them on board by June. \$4M for watershed fencing, fire program, and restoration of forest program. Key positions that relate to invasive species like Maui Forester. The survey forester position on Oahu is vacant and we are looking at trying to restore funding for the position. HB1769 made it through to Senate side to continue efforts for



ROD response. Looking for funding through the Infrastructure bill. The State Forest Action Plan funding may be available to partners in future. This could be a way for agencies to partner with DLNR. This is a large pot of money (\$2M/year) that we could work to receive funds from this program. The Landscape Restoration Funds got 2 projects funded (BIISC/KISC).

- Chelsea Arnott (HISC): DLNR funding \$600K for biosecurity projects. **Priority bills: State budget (HB 1600), Mamalu Poepoe, ports of entry (Sb3379), mosquito planner (HB 1931) and Hawaii Ant Lab (SB 2996).** HISAM has concluded and it was a great success. Over 600 live attendees and over 28 presentations throughout the month and over 1,300 views on recordings posted to the HISC Youtube. **The 643Pest App is no longer functioning so no need to promote the application any longer. Utilize the more mobile-friendly website 643pest.org and 643-PEST hotline.** May consider relaunch in the future but would need funding and a full marketing campaign. We will send out this info through our HISC newsletter.

USFWS: Benton Pang/Joshua Fisher

- Funding: proposal to help CGAPS. We have a proposal to fund a DLNR mosquito position. DOI \$4.5M towards Ecosystem resilience is going through the Bipartisan Ecosystem Law and the Department has setup a WG to go through this and identified the Pacific Islands as part of this. <https://www.doi.gov/priorities/investing-americas-infrastructure> Benton to take on a new position with USFWS and a new IS supervisor will be on board in the next few months. Josh will be filling in. There are funds to look into a risk analysis of species that would cause the next pandemic as well as injurious wildlife.

NAVFAC MCBH: Angela Kieran-Vast

- MCBH has removed devil weed from Camp Smith with OISC and Conservation Dogs of HI on December 11, 2021. Removed over 4,200 plants during this effort. **Lance Bookless developing a biosecurity plan for all installations to prevent movement around the pacific. Looking for input- please reach out to Angela (angela.kieran-vast.civ@us.navy.mil) or Lance Bookless (lance.bookless1@usmc.mil).**

DOH mosquitoes/vector monitoring: Grace Simmons

- The biggest news from DOH, we lost Lincoln Wells. Grace Simmons will be taking over Lincoln's duties. She will be taking over the mosquito project and working with HDOA to get 3 mosquitos on the restricted list. Working on EA for these species. Continuing monitoring efforts at ports of entry and airports.



- Legislative update: submitted a budget to fund Kauai positions. We are requesting for an entomologist and inspector position. We are requesting (HB1931) a mosquito position.

CRB: Keith Weiser/Koki Atcheson

- Looking at monthly trap detections, Feb 2022 has been the lowest trap detections in a while. Pearl City peninsula is the hotspot on map. Treatments in Kapilina area has been working, trap catches trending downward. Treatments consisted of injections and have been seeing great results. We replicated treatments in Pearl City peninsula and seen major reductions in area. We are coordinating a 6-month retreatment and looking forward to seeing results.
- Areas of concern: **North Shore is starting to see consistent detections and are concerned that this could be a new hotspot area. We have been doing public outreach and are identifying potential areas to survey and treat. Need more contacts to farmers and trimmers in the area, possible breeding sites for canines to search, and for people to report tree damage.** Kunia is another area of concern. Since last summer it has been the highest catch area and consisted of over 40% of catch total. **We are looking for more contacts to be able to do palm treatments in Kunia so if anyone knows of anyone please put them in touch with us.** Palehua and Upper Makakilo has been another area of concern especially for native pritchardia populations. The source of detections could be cause they fly from nearby locations or just have been slowly creeping in from nearby locations. **Kaili Kosaka took a new position so will be hiring for outreach specialist in the next couple months (rcuh.com).**

ROD: Rob Hauff

- Higher level of detections with feral animals in unfenced areas vs. fenced areas. Focus of the bill is to remove animals out of fenced areas. On Kauai, they found some trees in upper Alakai plateau and have been doing research on this. Still no lukuohia on Oahu and Maui. Ongoing studies into beetle attraction to tree volatiles and the role of climate and storms and how they damage trees and spread spores. April 25th is 'Ōhi'a Lehua Day and Native Hawaiian Plant Month.

LFA: Christy Martin

- HAL team is still on 50% time. Spent time on Maui. There is a bill that looks promising in the legislature but funding wouldn't be immediately available. Still looking at funds for HAL at the moment. Maybe can tap into HISC funds for early release. Rob is working on funding for HAL from FS. Just submitted for DoD grant (for 2023). The current shortfall for HAL is around \$500,000.



Mamalu Poepoe: Leyla Kaufman

- At the very end of the 5-year pilot program from HDOT funding. We are continuing with HISC funds for a year (till March 2023). We submitted for congressional funds to continue the project. Hirono and Schatz are signing and hopefully will be approved this week. THANK YOU to those who wrote letters of support. We conducted surveys with partners to evaluate the value and what is needed to push the project forward. There was overwhelming support to continue the program and add on additional targets and expand to harbors. SB is still up and running this session. Held meetings to discuss these new efforts with DOT. They will not fund but will allow continued access. **The next Mamalu Poepoe meeting will be in April.** It will be a review of the last 5 years and next steps.

USFS IPIF: Susan Cordell

UH Agrosecurity Lab: Mike Melzer

- UH still has a hiring freeze since the beginning of the pandemic. Since the freeze, CTAHR has received 3 new approved positions. CTAHR has been wrapping up with strategic positioning.
- Agrosecurity lab: in January we do seed potato certification and that wrapped up nicely with less than usual volume (115,956 plant samples processed). We are doing cooperative ag surveys. These are exotic to HI and most are pest/diseases that are of concern. It is broken down into 3 categories: tropical hosts, citrus, and vegetable crops. Diagnostic updates include taro diseases from Papua New Guinea. We are writing up our work at this point. Nanopore update: validating its use for it as a (handheld) diagnostic tool. Can detect fungi, bacteria, and viruses. This project is coming along really nicely, even finding new things and will train HDOA inspectors on it's use. Coffee importation project coming along nicely and we received a controlled import permit and are looking at rust resistant seeds.

HFBF: Janet Ashman

- Just heard there is an outbreak of army worms in Kohala on pasture land.
- Supporting bills that support HDOA, UH, and DLNR with bills that support invasive species work. **Everyone should be aware of the composting bills but need to be cautious of language in the bill because if it is done wrong then it could spread invasive species instead of preventing the spread (HB1992).** HDOA has submitted comment that material should stay on their own property- not for distribution.



Maui Nui ISCs (MISC & MoMISC): Adam Radford

- Molokai: in last quarter they covered 3,000 acres of surveys. On island resource and in last quarter removed about 200 plants.
- Maui: as COVID restrictions ease, hopeful to do more work. Working with staff and agencies on Oahu for the Waimanalo coqui infestation and shipping citric acid to Oahu on Tuesday for aerial application. Just had a HNN story on the news about our aerial work in Nahiku with Chelsea Davis. In Nahiku, we are about down to 15 acres from 175 acres and this proves that our efforts and the use of only insect growth regulator are working. Ramping up for pampas grass eradication for the summer when it flowers. A vole was found in Makena and so far it has been the only one that we know of and not sure where it came from. We filmed with BBC on green planet this summer, will be airing in US soon.

OISC: Nate Dube

- Miconia creeping into summits, sprays are continuing. Increased our treatment frequency (in Kaalaea?) DMSM for ROD surveys and happy to report that everything looks good. Cane tea survey in Poamoho along with NEPM and KMWP. Our first round of Devil Weed surveys are complete. Camping in Kahuku is still ongoing. We are finding a decrease of devil weed in Kahana and are looking to why this is occurring and hoping to replicate this across the islands. Working with HISC and HDOA on Waimanalo infestation of Coqui. Still running into barriers with baseyard repairs and working with RCUH and DLNR on this. **Hiring 2 field and one EDRR position (rcuh.com)** HISAM took a lot of outreach efforts and was successful. Outreach team did a statewide project on EDRR efforts. Did LFA surveys at Punahou Carnival plant sale this year and that turned out great. Been helping with LFA surveys with HAL and recently did a survey at BYU with students in North Shore. OISC Committee meeting is next Tuesday and looking at recent updates. Two new funders this year from NIPWIF and HTA. Still looking for more funding at this time.

KISC: Tiffani Keanini

- For LFA, KISC is continuing to help HDOA in Moloaa. Controlled 5 frogs including eggs in one location. The new tree that was detected for ROD in Alakai Plateau has been added to the EUP study. Detected 10 mature miconia plants and we are waiting for HBT to come back online. The miconia plants found did not increase our footprint because they were found in the same spot as prior plants. **Hiring Early detection botanist.** Need SLN for HBT- there was an extension but working on one for after June 2022. Cannot use precision-point sprayers because of the thick albizia canopy.



BIISC: Franny Brewer

- Plant Pono Program: it is an umbrella program that looks at whether a plant is invasive or not. They can search a plant that shows a ranking from the Weed Risk Assessment (WRA). Plantpono.org had 53,000 views, 2,200 users/mo, and 21 endorsed nurseries on Hawai'i island. We have a nursery endorsement program and help nurseries to help stop the spread of invasive species. We have a specific list of plants that we share with the nurseries about what not to sell. We have a no grow list (top 9) that has high potential for spread. We have the list on our website. The overall success of the program shows the drop in the # of IS sold. 4 of the 9 plants were phased out (Aus. tree fern, Mex. fan palm, NZ flax, African tulip)! Educating the nurseries and public has been successful.

HISC/CGAPS Strategies Update (Strategy 1: Prevention/EDRR for New Terrestrial Invasions)

- Achieved/nearly complete, ongoing, in process, no opportunity for progress are categories for reporting.
- HDOA generated a non-regulatory Hawaii Prevention Priority List to guide prevention and rapid response (achieved).
- Assess capacity to detect, mitigate or treat species on the list and conduct risk analyses for IS introductions (in process).
- Address regulatory gaps for terrestrial IS in HI to address pathways and other modes of introductions (in process)
- **Working Group participation is always needed (contact Christy)!**

CGAPS: Christy Martin/Kailee Lefebvre

- Top priority projects: Kailee and Ambyr worked on an Ohia Advocacy Project and getting students involved in advocacy in naming ohia as Hawaii's State Endemic Tree. Stephanie Easley has been working with others on the Prevention and EDRR WG, looking into emergency declarations for EDRR work, and drafting an appropriation request to our congressional delegation for biocontrol facilities. Drew has been working on VIDA and an emergency response plan for SCTLTD.

Additional Partner Updates

- Chuck Chimera (Hawai'i weed risk assessment)- no aquatic plants included in plant pono besides fresh water plants.

New Business and Announcements



- ISAC looking for nominations by 3/28. Two names put forth by CGAPS steering committee- Laura Brewington and Christy Martin (<https://www.cgaps.org/wp-content/uploads/Christy-Martin-Resume-2022.pdf>) If you have any other nominations please send to Chelsea Arnott by Tues 3/22.
- Dave Smith (DLNR) will be 2022 CGAPS Deputy Chair with Rob Hauff as alternate.
- Next CGAPS General Meeting will be on Thursday, June 9, 2022 9a-12p