



Coordinating Group on Alien Pest Species (CGAPS) Meeting Agenda

9:00 am – 12:00 pm, Thursday, September 8, 2022

(this will be remote-participation only, no physical meeting location)

***These notes have not been reviewed by speakers and participants—they represent a sense of the meeting and information shared and may not be accurate. Readers and users are urged to verify data or information with the speaker.**

9:00 - 9:10 **Welcome and Introductions:** Chair, Adam Radford

In attendance: Kailee Lefebvre (CGAPS), Christy Martin (CGAPS), Adam Radford (TNC), Arisa Barcinas (CRB), Forest & Kim Starr (MISC), Cathy Davenport (Maui Nui Botanical Gardens), Stephanie Easley (CGAPS), Robert Hauff (DOFAW), Frances Brewer (BIISC), Jodi Chew (USFS), Koki Atcheson (CRB), Melissa Kunz (UHM), Danielle Frohlich (SWCA), Andrew Porter (CGAPS), Tiffani Keanini (KISC), Monte Tudor-Long (MISC), Jadelyn Nakamura (NPS), Elizabeth Monaghan (DLNR DAR), Matt Baur (WIPM), Gracelda Simmons (HDOH), Elliott Parsons (PACIFIC RISCC), Michael Melzer (UHM), Erin Bishop (OISC), Norma Creps (NAVFAC), Chuck Chimera (HISC), Terrell Erickson (H.T. Harvey & Assoc.), Katie Roth (DLNR CWRM), Janet Ashman (HFB), Elizabeth Speith (HISC), Helmuth Rogg (HDOA), Chelsea Arnott (HISC), Shahin Ansari (H.T. Harvey & Assoc.), Andy Cullison (DOFAW), Michael Richardson (USFWS), Dorothy Alontaga (USDA APHIS), Lori Buchanan (MoMISC), Darcy Oishi (HDOA PPC), Susan Cordell (USFS), Chris Frohlich (HAL), Noni Putnam (HDOA PQ).

9:10 - 9:20 **HDOA-Plant Industry, PQ, PPC:** Helmuth Rogg

- HDOA is currently reviewing Chapter 4-72, Hawaii Administrative Rules, that regulates Intrastate movement of plants and pests. We are adding a permanent coconut rhinoceros beetle rule to the Chapter which offers the opportunity reviewing and revising the entire Chapter. The Intrastate rule, Chapter 4-72, has not been reviewed in quite some time and several Subchapters need revisions and updates due to the spread of regulated pests, such as the coffee berry borer. In July of this year, an interim rule went into effect to regulate movement of CRB host material in Oahu with the purpose to slow down the spread of CRB within Oahu and to other islands. The interim rule will expire in June of 2023, unless a permanent rule is put in place. Signing into law a permanent rule could take up to a year going through all the bureaucratic hurdles.
2. Our Plant Industry Division is still looking for permanent Managers for our Plant Quarantine and the Pesticides Branches.

Here is the DHRD link for our Plant Quarantine Branch Manager:

CGAPS Steering Committee: Dorothy Alontaga, USDA APHIS; Chelsea Arnott, HISC; Jodi Chew, USDA FS; Rebecca Chong, DHS CBP; Mark Fox, Emeritus; Bryan Harry, Emeritus; Alan Holt, Emeritus; Angela Kieran-Vast, NAVFAC; Michael Melzer, UH CTAHR; Brian Neilson, DLNR DAR; Benton Pang, USFWS; Adam Radford, MISC; Helmuth Rogg, HDOA; David Smith, DLNR DOFAW

<https://www.governmentjobs.com/careers/hawaii/jobs/3632602/plant-quarantine-manager-halawa-to-kalihi-oahu?keywords=plant%20quarantine%20manager&pagetype=jobOpportunitiesJobs>

Here is the DHRD link for our Pesticides Branch Manager:

<https://www.governmentjobs.com/careers/hawaii/jobs/3622961/pesticides-program-manager-downtown-oahu?keywords=pesticides%20branch%20manager&pagetype=jobOpportunitiesJobs>

3. Our Plant Quarantine Branch continues working hard on petitions for importing animals, such as biocontrol agents for Miconia, Wolbachia mosquitoes for controlling mosquito vectored avian malaria, biocontrol agent for coffee berry borer, and other animals such as penguins. In addition, our PQ inspectors follow up with calls from the public for snakes, skunks, and other non-domestic animals.
4. We have been working for months on providing options to safely import new coffee leaf rust resistant varieties for our Hawaii coffee industry. We identified a company in California that has already imported coffee for the new California coffee industry in Santa Barbara. The company has a tissue culture lab and nursery offering to import resistant varieties, selected by the Hawaii coffee industry, and preparing tissue culture material for micro-propagation of new plantlets. Those plantlets would then be sent to Hawaii. The process would increase the likelihood that new coffee varieties are pest and disease free when entering Hawaii avoiding accidental importation of new coffee pests.
5. We are still gathering data on interception of pests on international and domestic import to Hawaii. Interceptions of international shipments are conducted by our federal counterparts from Customs and Border Protection (CBP) and identified by our PIS or SEL colleagues from PPQ. In case of a regulated pest intercepted, an EAN (Emergency Action Notification) is issued and a response action follows. The State receives a copy of the EAN without proprietary information. On domestic side, our PQ Branch records interception using our old Invicta database and, since last year, our new database, Kupono. We are currently compiling archived interception data from our retired Invicta database. The collected data from federal and state database will assist us in our efforts to identify pathways of introduction of invasive pest and help us to implement a more efficient biosecurity program.
6. On national level, we are watching the development of the spotted lantern fly (SLF) situation. The SLF is quickly spreading throughout the eastern states and has been detected in also in southern and some mid-west states. Some western states have intercepted SLF on nursery supply material, in Oregon, or on carrier flights from infested eastern states, in California. The SLF is causing damage to grapes in Pennsylvania and is considered a potential serious pest for the vineyards on the west coast, Washington, Oregon, and California. One of the more significant pathways for the spread of SLF is the railroad system. The western states are discussing and working on ways to keep out this serious pest.

9:20 – 9:25

USDA APHIS: Dorothy Alontaga

- Continuing making regulations for state. Need to pay attention to foreign trade as it may or may not have ripple effects on Hawaii risk in trade.

9:25 – 9:30 **DHS Customs & Border Protection:** Rebecca Chong (provided update by email)

- Rebecca Chong provided an update on recent Hawaii Risk Assessment Committee (HIRAC) Pest Risk Committee activities. HIRAC continued with joint agency quarterly operations.

9:30 - 9:35 **DLNR DOFAW:** Rob Hauff

- Hiring for a variety of positions, civil service and RCUH. Watershed planner position, state civil service. A couple RCUH positions for Birds Not Mosquitoes project. [Reach out if interested or for other positions.](#)
- Pulling requests for division level legislative asks. Restore LNR 402 budget that funds HISC and fire response, T&E, and watershed partnership. There was a 20% deduction in the previous fiscal year. It had been restored but want to maintain that budget. Asking for positions and position upgrades.
- Quarterly meetings with CRB project discussing threat to native Pritchardia species. [Let Rob know if you would like to join \(robert.d.hauff@hawaii.gov\).](#) Concerned about CRB reaching native forest populations. Received a small grant to do seed collections of those species. Working with the response to monitor traps and collect data about climate to understand if CRB populations can establish in the area.
- Getting some funding and positions for forest health that will be working on CRB issues.
- Biocontrol projects. Regrouped since BOA meeting. Getting final EA's for miconia butterfly and tibouchina beetle published.

9:35 - 9:40 **ROD:** Rob Hauff

- No new detections on Maui nui, only huliokia on Oahu, more detections of both species on Kauai.
- Semiochemical repellants for beetles seem to be working in areas with only a few infected trees. Strategy is to disrupt the beetle's life cycle. No local registration for the SPLAT verbinone. Working to get permits for use.
- [Ohia Love Fest will be held across the state with events on each island in November. Check RapidOhiaDeath.org for details.](#)

9:40 – 9:45 **CRB:** Koki Atcheson

- Steep increase in trap detections over the summer (starting to see summer months trending up). Sustained infestations in Central Oahu. Increases in Nanakuli and Waianae coast. Detections in North Shore is spaced out.
- Palm treatments going on in Kunia not seeing as much of an impact to populations due to import and staging of large amounts of green waste in the area and access issues. Drone applications of pesticides is promising (experimental use only right now). Especially a possibility for palms that are planned for transport.
- Breeding site treatments- fumigation of infested material in Haleiwa and removal of dead palms at Dillingham Ranch
- All 3 canines passed recertification.
- Interim rule and compliance agreements- starting notification period, online training will be sent out soon.

- Public reports- still asking for people to collect beetles but now instructing reporters to throw away the beetles in found highly infested areas. Staff being stretched thin for responding to every public find.

9:45 – 9:50 **NPS: Jadelyn Moniz Nakamura**

- NEW STAFF: Sierra McDaniel – Hired as the Permanent Chief of Natural Resources at HI Volcanoes NP and Linh Anh Cat – Hired as the Permanent Chief of Natural Resources at Kalauapapa NHP
- HALEAKALĀ
- Current field projects:
 - Forest bird predator control pilot project is ongoing
 - Controlling incipient weeds in the crater in Hōlua area--*Scleranthus annuus* and *Heterotheca grandiflora*.
 - Controlling invasive weeds—holding the “ginger line” at the Palikea fence—middle
- Kīpahulu Valley (~4200’ elevation)
 - Staff has been assisting with research projects in the park with following permit holders:
 - Nicole Heller – current Argentine ant distribution; surveys conducted (July 18-29)
 - IPMT
 - Aerial pine ops occurred in early May for *Miconia* and Pine control, need to reschedule *Miconia*
 - Haleakala Crater cam is up and running again; near real time image of HALE summit, crater, which is good real-time source for conditions
- War in the Pacific NHP & American Memorial Park
 - Fire ant survey of WAPA units, found fire ants on all of them, so far none interfering with visitors, usually found off trail, so decided to not do anything until an issue with people, no way to control them, would likely be suppression in local areas given they are present everywhere on island
 - Survey for brown tree snakes on Asan Ridge found 7 snakes, been in discussion with USGS about making Asan Ridge a tree snake free zone, seems good from a geographic perspective with natural barriers that could help to make it snake free
- Hawaii Volcanoes NP
 - This summer the Youth Ranger team consisting of 7 high schoolers from Puna and Kau districts swept 511 acres and removed over 13,000 invasive trees!

9:50 - 9:55 **USFWS: Mike Richardson**

- An assessment of Wake Island yellow crazy ant (*Anoplopesis gracilipes*) impacts and possible plan for eradication.
- Development of a working group to tackle the decline of *Cycas micronesica* on Guam and the Marianas largely due to the cycad aulacaspis scale, *Aulacaspis yasumatsu*. Myself and a Guam FWS colleague are partnering with a Florida expert to see if we can attempt a new biocontrol introduction for that and re-attempt another.

9:55 - 10:00 **UH Agrosecurity Lab: Mike Melzer**

- Dean Comerford retired, Ania Wieczorek serving as interim. Search for permanent Dean will begin late in 2022.
- PEPS: secured 33% of CTAHR's external funding, researchers are listed 1st more than other depts. in peer reviewed publications. Yet out of 10 positions requested, only 1 was approved- applied mycologist. Still waiting on final approval from UH.
- National Clean Plant Network: Citrus germplasm transferred to a new larger greenhouse. 14 out of 40 accessions available. Hopefully discourage e-commerce. 4 requestors for 830 budeyes.
- CAPS ongoing- one of the few citrus growing states to be citrus greening free. Largest lime farm in the US is now on Maui.
- Other projects include: diseases of citrus, taro, choy, plumeria, and akala. Research work on CRB.

10:00 - 10:10 Kauai LFA Update: Tiffani Keanini

- Partnership with HAL and HDOA. EDRR at high-risk sites. 4 known infestations, 2 monitoring, 1 in active treatment, 1 newly detected site.
- Kalihiwai site being monitored since detection in 1999 and early suppression efforts. Last detection in Jan 2019.
- Kilauea site last detected in 2020.
- Moloaa First detection in Jul 2021, last detected 2022. Is an agricultural site with produce distribution so it's assumed there may be spread to other sites on the island. Partner effort to provide outreach to the island's ag community.
- Wailua New site- detected Jun 2022 by public report. Largest population to date. 13-35 acres in residential area, natural area, and adjacent river. Surveys downstream turned up no detections. Working on next steps and resources needed. Difficult terrain, 100 ft cliff straight drop off. Unknown size of population. Concerns that they are traveling by river. Questioning capacity and resources on island for handling future detections.
- [Christy encouraged applying for infrastructure funding for this new infestation and in general—there are a lot of opportunities out there this year and for the next few years.](#) Legislature is supporting funding specifically for HAL. HISC is requesting additional funding for invasive ant work.

10:10 – 10:20 Maui LFA Update: Brooke Mahnken

- News flash: New infestation in Haiku about 4 acres. Reported by public. Populations in wet habitats are more difficult to control.
- 19 detections to date since the first in 2009. 8 active, 6 monitoring, 5 sites eradicated.
- Largest site Nahiku 175 acres being treated by helicopter. All others 10 acres or less.
- Began treatment of Nahiku in 2019. Believed to have been introduced by a resident upstream then stream carried down population. Due to size and terrain decided on helicopter spray treatments. 13 treatments over 19 months. Post treatment surveys showed huge success. Revised aerial treatment areas, outside original treatment area. Doing another re-survey soon. Non-target species observations show no non-target effects.
- Still working towards total eradication on Maui.
- 175 acre treatment \$12,000/treatment not including personnel hours. Working on an economic analysis with Donna Lee.

- Brooke calling for a state-wide LFA conference.
- Helmuth (HDOA) suggests a state-wide WG to handle LFA as the department has little capacity to help.

10:20 – 10:30 Oahu LFA Update: Chris Frohlich

- 33 sites: 7 of which have completed treatment and are being monitored and an additional 6 sites on track to transition to monitoring at the end of month. Most under 1 acre each. Many sites are also fairly contained by roadways. Many sites in monitoring stage.
- [But there are some sites that are large and need some help. Papakolea site challenging because large residential area \(52 residents\). Going to need help in October.](#) Site also includes Roosevelt High School, natural area and BWS project.
- Low staff is 1.5 including Chris. Posting to social media to hire temp worker. Had help from OISC KUPU interns.
- Working with Mamalu Poepoe looking at ports of entry.

10:30 – 10:40 Break

10:40 – 10:45 NAVFAC JBPHH: Norma Creps

JBPHH Update – Update provided by Sarah Howard –NR Manager JBPHH

- The JBPHH Predator Control program has ramped up for FY22 Q3. From April – June 2022 a total of 7 mongoose were captured at Ahua Reef Wetland and 18 mongoose, 1 cat and 1 mouse were captured at the facility’s Oxidation Pond. Additionally, ungulate control at Lualualei has been going well with approximately 30 feral pigs dispatched near sensitive natural resources areas since Spring 2022.
- JBPHH continues to enforce the JBPHH Green Waste Policy for management of CRB on the installation.

Table 4. Total # of trap catches by species at ‘Āhua Reef Wetland & Oxidation Pond for Apr 2022 – Jun 2022.

Waterbird Survey Site	Mongoose	Cat	Rat	Mouse
‘Āhua Reef Wetland	7	0	0	0
Oxidation Pond	18	1	0	1
Totals	25	1	0	1

GUAM & CNMI (Commonwealth of the Northern Mariana Islands) Update – Update provided by Stephen Mosher Regional Biosecurity Program Manager

LFA Summary:

- Via a Cooperative Agreement with Colorado State University’s Center for Environmental Management of Military Lands (CSU CEMML) LFA early detection surveys on Guam installations and Tinian Military Leased Areas (MLAs) continue. There have been no LFA detections on Tinian to date, but on Guam they continue to have detections on installation borders. Currently, CSU CEMML is dealing with 15 LFA locations on Guam (Anderson Air Force Base: 4 sites; Marine Corps Base Camp Blaz: 2 sites within the Haputo Ecological Reserve Area; Naval Base Guam Mainbase: 4 sites; Naval Base Guam Naval Munitions Site: 5 sites). Of the 15 locations that CEMML is tracking, only two locations (Dadi Beach at Naval Base Guam and Haputo Trailhead at Marine Corps Base Camp Blaz) were solely within installation borders, all other locations are located on installation borders.
- LFA Sites:
 - (5) Ongoing border treatments (in perpetuity)
 - (4) Pending delineation (3 new locations detected in August)
 - (2) Post-Eradication monitoring phase (NBG Dadi Beach & MCBCB Haputo Trailhead)
 - (2) Eradication treatments starting this month (SEP)
 - (1) Eradication pending Sec 7 consultation (MCBCB Haputo Trail bottom where endangered snails and butterflies are present at detection location)
 - (1) Pending LFA confirmation/delineation

Separate from the Cooperative Agreement with Colorado State University. Marine Corps Base Camp Blaz is also dealing with the LFA eradication efforts at several Andersen South LFA locations.

Coconut Rhinoceros Beetle (CRB) Summary:

- To reduce the risk of CRB getting into the transportation network on both NBG and AAFB, we are continuing CRB Interdiction measures with biannual CRB breeding site surveys and removal of dead coconut trees in urbanized areas of Naval Base Guam an Anderson Air Force Base as funds become available. Anticipate 112 dead coconut trees at AAFB and 115 dead coconut trees at NBG to be removed over the next 90 days. This will put Naval Base Guam’s dead coconut trees at zero and AAFB still around 600 trees to still be removed. CRB interdiction/sentinel trapping has been ongoing at AAFB and NBG since AUG 2020. Over the past 22-month period 19,400 CRBs were captured (AAFB: 11,637, NBG: 7,765).

10:45 - 10:50 HISC and Mamalu Poepoe: Chelsea Arnott

- HISC funding awardees should have gotten emails.
- MP: interested in implementing at military installations. Working on expanding to seaports. Additional funding to add on target. Will be adding on Japanese Beetle (according to suggestions from HDOA) to CRB, AHB, LFA, and mosquitoes.
- CGAPS and HISC drafted administrative rules HRS194 and will be submitting to DLNR.
- Working on funding opportunities to support terrestrial and aquatic invasive species work as well as the Plant Pono program.
- [Looking to build relationships with county representatives.](#)

- Hawaii Weed Risk Assessment (HWRA): Chuck working on a large list including for DOFAW, KISC EDRR, Haleakala Ranch, PTA on HI island, OANRP, others. Looking at Mexican Dream Herb being sold online but it's actually Chromolaena. BIISC reaching out to growers to make sure distributors know what they're selling. New HWRA database being created by HBIN staff. All 2,000 assessments completed by HWRA can be found on Plant Pono website.
- 643PEST.org- Nearing 4,000 reports since 2014. About half reported are non actionable (widespread). Reports increasing every year. #1 CRB, #2 Rose-ringed parakeet, #3 Coqui. Live dashboard with reporting stats available at 643pest.org.

10:50 – 10:55 **USFS:** Jodi Chew

- Will continue to look out for funding opportunities and share when possible.

10:55 – 11:00 **BIISC:** Franny Brewer

- Wrapped up summer camping season. 10 weeks working on various species.
- Re-focusing on outreach with devilweed, pereskia in backyards of Oceanview. Oct, STA month.
- Tango (treatment for LFA) doubled in price since the beginning of COVID- hard for farmers to treat- stretching intervals and using products not labeled for use. These challenges with treatments may have a rippling effect for other islands. Decreasing engagement between communities. Need help. Maybe voucher program again? LFA is in every district on the island.
- ROD- surveys in Kohala bog, no ROD detected. Other spots lighting up again.
- Building a good relationship with the county council. Plant Pono, OHA programs for benefit of the county.
- [Launching a professional development for teachers on Rat Lungworm in October, reach out or share with teachers interested.](#)
- Launching in Oct- Share Plants not Pests backyard gardeners series of presentations.
- OLF event with ohia plant give away
- Still no permanent manager, continuing the search. Just hired a field crew.

11:00 – 11:05 **MISC:** Teya Penniman

- In Pampass grass survey season
- East & West Maui Miconia- progress with contracting to survey East Maui. Looking forward to release of biocontrol (miconia butterfly).
- Coqui treatment citric acid is also skyrocketing. Contracting coqui barrier construction with the goal of preventing reintroduction into areas under control. Analysis of acoustic monitors to assess effectiveness of treatment.
- LFA Adam Knox looking to purchase a drone to test delivery of treatment into tall trees. Public gathering in East Maui where there were concerns about aerial treatment. BLM (Bees Lives Matter) group represented but overall the meeting went well. Outreach is very important- there are many in strong support of LFA work.
- One of the reasons why MISC is able to do its work is because there is strong county funding support specifically dedicated to LFA.

- New employee working on Maui Hoike curriculum. Banana Bunchy Top Virus in East Maui Hana- need to do outreach. MISC no longer has resources to control. Outreach to encourage self control.
- Wao Akua event bringing together artists and conservationists.
- **MISC mgr position will be posted soon. Please share!**

11:05 – 11:10 **OISC:** Erin Bishop

- General Updates
 - Staffing
 - Hired 2 field crew (ISFA I) in June, hiring 2 more this month
 - KUPU CLDP (Conservation Leadership Development Program) 9/26
 - Finished interview process for EDRR Tech
 - Promoted Mele Ana Kastner to Field Crew Leader earlier this year
 - Provided mid-year updates for OISC target species at the Invasive Pest Mini Conference & organizational updates at the OISC Steering Committee Meeting
 - Funding
 - Expanding Ports of Entry Biosecurity work to Honolulu Harbor
 - Secured 5 years of REPI (DOD’s Readiness and Environmental Protection Integration program) ... funds for miconia control in Waiawa, Kaalaea, Kahluu, Waiahole, & Ahuimanu
 - Secured 3 years of NFWF funds for miconia control in the Ala Wai Watershed
 - Awaiting account opening
 - Submitted other REPI proposals for miconia control in the southern Koolau, LFA windward control, and Waimanalo coqui control
 - Awaiting award notification
 - Submitting proposal to establish the Plant Pono Program on Oahu with other ISCs and facilitated by HISC
- Species Updates
 - 1 positive *Ceratocystis huliohia* in 2022 so far; 9 total
 - Reducing fld crew devil weed effort in 2023 as biocontrol process moves forward
 - 3 mature miconia controlled and spray ops (Kaalaea & Manoa) on-going
 - 1 immature Himalayan blackberry controlled (Palolo)
 - 192 immature cape ivy controlled (Upper Makakilo)
 - 29 acres of cane ti survey, 90 mature controlled (Poamoho)
- Outreach Updates (Jun-Aug)
 - Continue to distribute LFA kits: 27 mailed, 260 handed out.
 - Outreach staff providing LFA survey support to Hawaii Ant Lab.
 - Devil Weed Crew Challenge began August 1st. Since then,
 - Mailed out 30 ID Guides to interested volunteers
 - 78 miles of trails surveyed
 - 21 unique trails

- 5 unique volunteers
 - Detections only in known areas, no new trails detections.
- School visits picking up for this school year:
 - 5 Hoike LFA Activity and 2 school visits over the summer months
- 6 events
- Worked with BWS on their Summer of Ohia love social media campaign
- Collaborative Plant Pest Training with CGAPS and other ISCs to train nurseries on detections, reporting and BMPs.

11:10 – 11:15 KISC: Tiffani Keanini

- Coqui: Partnering with HDOA to control 16 frogs at 6 locations.
- Miconia: 1,700 acres surveyed aerially, and 78 acres ground surveys- 353 immatures and 7 matures treated with HBT. Big albizia canopy over this population.
- Seedling suppression 200 acres surveyed, 900 immatures and 110 matures controlled.
- Plant EDRR plant botanist filled this year. Road surveys ongoing. Over 1,00 acres surveyed.
- Secured 3 years of funding from LSR to focus on ED plant detections
- Continued vacancies. [New posting for field crew positions.](#)
- Outreach: Forest Fridays, school activity programs, STA month, OLF.

MoMISC:

- Dr. Mike Melzer responded to MoMISC's call for "help" at the last CGAPS meeting for a plumeria farmer on Molokai. Dr. Melzer did come and meet with me and the farmer and subsequently was doing some work at his lab on the pests found at his farm.

11:15 - 11:20 HFBF: Janet Ashman

- Collaborating with chapters from across the state gathering proposals for the legislative session. Support funding and research for invasive species control and will support requests from this group.

11:20 - 11:30 HISC/CGAPS Strategies Update (Strategy 3: Aquatic Biosecurity)

- US Coral Reef Task Force held a meeting in Kona last week. As part of the Stony Coral Tissue Loss Disease (SCTLD) Pacific Response Planning workshop on the final day, EPA gave an update on several items. EPA has been funding testing on SCTLD and potential ways it can be transmitted long distances. Causal agent is still not yet known but once it infects a stony coral, it causes tissue loss of up to 3 cm/day, resulting in death of the coral.
 - Research showed that “simulated ballast water” can transmit the disease.
 - “Reef sediments” can also transmit the disease, indicating that ballast tank sediments may likely be able to transmit the disease as well.
 - EPA is also supporting research on the ability of biofilm (the slime layer that allows larger species to settle on the hulls and niche areas of vessels) and the results should be available this fall.

- Another study, by the Naval Research Lab, found that UV treatment of simulated ballast water (the most common US-type-approved ballast water treatment system) is only 50% effective at reducing the spread of the disease.
- As part of the session, the USCG Lt for Sector Honolulu vessel inspections presented. There is a direct connection between the Caribbean and Hilo with at least one vessel transporting LNG. The LT also reported on direct connections between the SCTL region and other Pacific island locations, including Guam.
- EPA also announced that they are still reviewing the comments in response to the EPA's draft incidental discharge standards for VIDA. Their timeline for publishing a final rule is Nov 2023.
- In summary, CGAPS will be working with DAR to assess the opportunity to enact emergency or permanent rules ("permanent" until preempted when VIDA is fully enacted, likely in approximately 3 years).

11:30 – 11:40 CGAPS: Christy Martin

- Stephanie working on HISC rules, and HRS with HDOA, and firewood rule.
- Airport Biosecurity Display- to be installed at HNL airport. One component is an Ag Inspector Display.
- Working on passing a resolution for Hawaiian Birds Day involving students in the legislative process. [Reach out to Kailee if you'd like to know more or know any teachers who would like to participate.](#)
- Looking into rule regulations and language to make sure rules are enforceable.
- Pacific Ecological Security Conference in Palau- organizing work around CRB, Ants, and regional needs for biocontrol. Working on high level messages and needs for the region.
- In the final stage of developing the second biocontrol explainer video featuring the Wiliwili. Should be out later in Sept.

11:40 – 11:55 Additional Partner Updates

- **Adam TNC:** Fencework in preserve on Lanai done. Dividing the preserve into units for outplanting occurring. Last 2 deer removed from enclosure with new rifle, drone, and scope technology. [Reach out to Adam \(Adam.Radford@tnc.org\) if you'd like to learn more.](#)
- **Andy Cullison:** Working on naio thrips- bringing a group together on HI island to collect seeds and look for resistant types. [Reach out to Andy \(james.a.cullison@hawaii.gov\) if you'd like to participate.](#)
- **Grace HDOH Vector Control:** Uploaded assessment for the use of Wolbachia Aegyptii, Albopictus, and Culex. Thank you DOFAW for working on finalizing EA. Waiting on bids.

11:55 – 12:00 New Business and Announcements

- **Save the Date:** The fourth quarter CGAPS General Meeting will be 9:00a – 12:00p on Friday, December 8. Please register with this [link](#).
- **Pacific RISCC-** hosting a September webinar on the intersection of climate change, invasive mosquitoes and forest birds. You can learn more/register here: <https://pi-casc.soest.hawaii.edu/news/hawaiian-forest-bird-conservation/> As well, we have a new UH Listserv where we are sending out our new research summary series. [Email me at eparsons@hawaii.edu and I will add you to it!](#)

Note: To join or leave the CGAPS listserv, click here (<https://bit.ly/2RExLJP>) or, go to the University of Hawaii's listserv webpage and search for the CGAPS List.