



Coordinating Group on Alien Pest Species (CGAPS) Meeting Agenda

9:00 am – 12:00 pm, Thursday, December 8, 2022
(this will be remote-participation only, no physical meeting location)

***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.**

Attendees: Christy Martin (CGAPS), Ambyr Miyake (UH), Kallee Lefebvre (CGAPS), Jeomnee Nasty (DOH vector control), Cathy Davenport (WINBG), Janet Ashman (HFBF), Stephanie Easley (CGAPS), Forest and Kim Starr (MISC), Teya Penniman (MISC), Robert Speer (MG), Michael Melzer (CTAHR), Elliott Parsons (Pacific RIIISC), Adam Radford, Danielle Frolich (SWCA), Nate Dube (OISC), MJ Mazurek (USFWS), Elizabeth Monaghan (DAR), Chelsea Arnott (HISC), Erin Bishop (OISC), Anthony Ching (TNC), Arisa Barcinas (CRB), Chuck Chimera (HISC), Elizabeth Speith (HISC/MISC), Jamie Miller (OISC), Kiyoko Johnson (Conservation Dogs of Hawaii), Lori Buchanan (MoMISC), Noni Putnam (HDOA), Norma Creps (US Navy), Rebecca Chong (CBP), Terrell Erickson (H.T. Harvey & Associates), Tiffani Keanini (KISC), Andrew Porter (CGAPS), Dorothy Alontaga (USDA), Keith Weiser (CRB), Andy Cullison (DLNR), Kimberly Fuller (DAR), Erin Johnson (), Kevin Lino (DoD), Michael Jordan

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

9:10 - 9:20 **HDOA-Plant Industry, PQ, PPC:** Helmuth Rogg (provided by email)

- We are continuing reviewing Chapters 68, 70, and 72 to update our noxious weed rules (Chapter 68), add a firewood and citrus plant import rule to Chapter 70, and a permanent coconut rhinoceros beetle rule to Chapter 72. This will be keeping us busy next year as the approval process is lengthy and complicated.
- We also continue detecting new pests, either reported to us by the public or our partners in Hawaii or by our counterpart in California when exporting Hawaiian products to the continental US. We are following up on several new detection reports that require confirmation before we can announce them.
- Unfortunately, CRB continues to spread on Oahu, but we have been able to increase our compliance agreements with local companies dealing with CRB host material. Our goal is, of course, to keep CRB on Oahu and hope to find new effective control methods and/or biocontrol agents.
- We are in the process of finalizing our TLSB (two-lined spittle bug) reimbursement program assisting ranchers on Hawaii in their battle against this new invasive rangeland pest.

9:20 – 9:25 **USFWS and BTS:** MJ Mazurek

- MJ replaced Benton Chang as IS Manager for USFWS. She started on Guam with BTS and resides in Honolulu.
- BTS: held in-person meeting in Guam. Cumulative performance review underway. Will share information gathered with managers. Continues to do BTS work until they find a replacement.

9:25 – 9:30 **USDA APHIS:** Dorothy Alontaga

- Update on Myrtle on NAPPRO: plants for planting is on the list, cut flowers are not

CGAPS Steering Committee: Dorothy Alontaga, USDA APHIS; Chelsea Arnott, HISC; Becky Azama, HDOA; 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; David Smith, DLNR DOFAW

- ALL inspection agencies, state and federal need to have wide authority to inspect and take action on agricultural pests. USDA APHIS PPQ, and Customs Border Protection, inspect foreign imports to keep out new pests to Hawaii (and the rest of U.S). USDA APHIS and CBP have authority, in addition to plant (and animal products for animal diseases), to inspect the containers, pallets and tiles, foreign vehicles, soil contamination, and other things that could harbor pests.
- There are USDA APHIS regulations with commodities from foreign countries that allow the commodities only to the continental U.S. but not Hawaii. One reason to exclude market access to HI, is USDA APHIS' analyses of a foreign commodity requests sometimes show a pest established in the U.S. mainland but **not** in HI, *and* the proposed rule's mitigations are not efficacious for the pest not known to occur in HI. USDA APHIS PPQ can then disallow the foreign commodity to HI. "CONUS only" foreign imports of plant products would be stopped at the first port of entry *if* the original *import* paperwork specifies Hawaii as a destination. Problem: Immediately, the fresh produce goes to buyers and distributed throughout the U.S., sometimes including HI. The import permit saying "Not for distribution to Hawaii" does not accompany the shipments in interstate commerce. Sharing this is a "gap" as in if you "see gaps" discussed.
- CBP mentioned the ACIR data base for what can be imported [USDA APHIS | Agricultural Commodity Import Requirements \(ACIR\)](#) . This is a tool for finding a foreign product by common or scientific name and country of origin can be distributed in HI. Try "Pineapple" as commodity name without entering a country. Results include a list of all the countries that cannot send Pineapple to Hawaii

9:30 – 9:35 DLNR DAR: Kimberly Fuller

- Worked with NOAA. Finished algae surveys in Waikiki MLCD. Some staff participated in SCLTD workshops. Soft coral in harbor and DAR/CGAPS is working on a plan.
- Ballast water update: increased capacity to 3 people. Filled planning associate position with KUPU member. Also got another KUPU intern. Helped to coordinate AAOTF meeting and worked on STCLD planning.
- Received EDNA equipment

9:35 – 9:40 DLNR DOFAW: Andy cullison / Chelsea Arnott

- The tibouchina and miconia biocontrols passed the first part of the board of ag process. Still a long way to go for them to be approved for release, but hopefully within the year. Other biocontrols in late stages of testing include natural enemies for devilweed, potentially Christmas berry.
- Sharing the wiliwili video (can be found at www.biocontrolhawaii.org)
- DOFAW work with ANRPO, UH on CRB. UH is doing some host testing of CRB to see if it might impact other native species, DOFAW is working on seed collection of all Oahu Pritchardia sp. as a safeguard if CRB impacts native populations.
- Hired Jon Brito for HAWP Planner (Katie Ersbak's old position)

9:40 – 9:45 HISC and Mamalu Poepoe: Chelsea Arnott

Staffing:

- Beth has moved to 90% HISC taking on much of the Interagency Coordinator duties
- Leyla's position is now Projects and Research Coordinator continuing her work at ports of entry but also working to identify research needs for invasive species work
- We just completed interviews for our planner position and hoping to get someone hired by the start of the legislative session

Funding

- Submitted our departmental budget where we asked for an additional \$2.25M HISC funds and Gov approved \$1.5M. But the 20% rejection LNR402 is still in effect
- We are receiving positive feedback on our REPI Challenge proposal that support invasive species work statewide. The official announcement will come out in January
- We are looking into funding to support little fire ant work on Kauai - DoD, State Leg, and County Council

Projects

- Leyla has begun setting up traps with partners at seaports; Honolulu, Nawiliwili, Kawaihae and Hilo
- CGAPS staff helping to draft HISC Admin Rules, Injurious Wildlife
- HIBP Progress Report
- Holiday projects up on DOFAW website including wreath-making and responsible plant collecting
- 643PEST - dashboard with overview of reporting. To date, there has been about 800 reports.
- HP-WRA- someone was selling an intruder fern being posed as a native fern on Hawaii island <https://plantpono.org/hpwra/hypolepis-dicksonioides/>

9:45 – 9:50

ROD: Ambyr Miyake

- Research updates- Hosted New Zealand researchers to work with their native species. Working on ungulate and fencing work. Abstracts for a symposium in Portland
- Data Management- Brian Tucker working on a story map for legislators to be released ahead of session
- Maize Hirono introduced a bill for \$50M for ROD work. Last heard was at a stand-still.
- Outreach- 6th annual Ohia Love Fest. Hosted local events on main islands including booths, workshops, plant giveaways. Partnered with Arbor Day event on Maui.
- Next Outreach WG meeting next Tues
- Science- Going after Lukuohia on Kauai and is looking successful. Fencing is making a large difference in reducing mortality.

9:50 – 9:55

CBP: Rebecca Chong

- Interceptions: chicken floss, birds nests, Filipino hotdogs, seed packets, hibiscus bark, thrips, noxious weeds, fungus, live plants for planting that are mislabeled.
- Job openings for specialists. USA Jobs website for more information.
- Agricultural Commodity Import Requirements (ACIR) – used by public to research importation regulations (from foreign) Plants for planting, plants not for planting, etc will be there. Website will say if it can come to Hawaii but it is not specific.
- <https://acir.aphis.usda.gov/s/>
- Here are the phone numbers you can provide to the public re ag importations:
 - Passenger – (808) 237-4600 – gen airport # (ask for an ag sup)
 - Air Cargo – (808) 237-4650 (ag team)

Sea Cargo – (808) 356-4134 (ag team)

International Mail Branch – (808) 422-9608 (ask for a CBPAS)

- Interceptions – hot dogs, bird's nest (edible), raw chicken, fried chicken, beef floss, hibiscus bark, plant pests (Cecidomyiidae, Thripidae, Erebidae, Succineidae) FNW, live plants without docs, various seeds
- Job announcements – SCBPAS and CBPAS – check [usajobs.gov](https://www.usajobs.gov) soon

9:55 – 10:10 **Conservation Dogs of Hawaii:** Kyoko Johnson ([Slide presentation and notes on CGAPS.org](#))

- kyoko@conservationdogshawaii.org

10:10 – 10:20 **DoD Update:** Norma Creps

- Kevin Lino -AIS update: In 2019, NAVFAC reported soft corals in harbor. In 2020, about 30,000 sq. meters was found and reported to DAR. The [soft coral \(unomia species\)](#) found is a new species found in Venezuela. As part of the dry dock project, NAVFAC will be removing X amount of AIS in the harbor and will address Unomia species and Gorilla ogo.
- CGAPS/USFWS/NAVFAC/DAR will plan a meeting to address these topics in January ([Christy will organize](#)). Another potential EDNA project is on the horizon using heat treatments. Venezuela control included cementing over the coral.

NAVY

- Stephen Mosher (NAVFAC Marianas)- INDOPACOM (US Indo-Pacific Command) and USDA are collaborating to have an Invasive Species Workshop on Guam in early 2023; looking at a summer timeframe (maybe July) for the workshop, but they are still in the planning stages; both military and civilian subject matter expert (SME) and senior representatives of the Pacific and Indian Ocean basin nations would participate; the workshop would focus on building capacity related to biosecurity and invasive species control.
- LFA: Continuing to have Colorado State University Center for Environmental Management of Military Lands (CSU CEMML) conduct LFA early detection surveys on Guam installations and on Tinian Military Leased Area (MLA). Since the September CGAPS update one new LFA location was detected on Andersen AFB in a contract laydown yard not far from the front gate of the base. Eradication treatment for this site covers approximately 4 acres and will start this month.
- CRB: Interdiction measures continue with biannual CRB breeding site surveys and removal of dead coconut trees in urbanized areas of Naval Base Guam and Andersen AFB. CSU CEMML conducting biannual breeding site surveys on Naval Base Guam and Andersen AFB this month. A contract was awarded at the end of FY22 for dead coconut removal and is being executed this quarter (FY23 Q1) for the removal of 115 potential breeding sites on Andersen AFB and 113 potential breeding sites on Naval Base Guam. There are still approximately 500 dead coconut trees to be removed at Andersen AFB pending the securing of funds for their removal. Naval Base Guam is close to eliminating all know potential CRB sites within the urbanized area of the main base with less than two dozen potential breeding sites remaining. The remaining potential breeding sites at Naval Base Guam main base are anticipated to be removed by the end of FY23 Q2. CRB interdiction/sentinel trapping at AAFB and NBG

has been ongoing since AUG 2020. A total of 19,400 CRB were captured over the 22-month period (AAFB: 11,637, NBG: 7,765) that ended in June. Currently waiting on FY22 Q4 CRB trapping report from CSU CEMML that covers July through September.

ARMY

- Kapua Kawelo – (US Army Garrison Hawaii, Natural Resources Manager) – Army is coordinating with HISC regarding their Port of Entry/Exit Pest Monitoring Program; working to incorporate Kawaihae Harbor (Hawaii County) and Bradshaw Army Airfield at Pohakuloa and to tie in the Wheeler Army Airfield in Honolulu. HISC species of focus include LFA, red imported fire ants, CRB, Japanese beetle, mosquitos and Africanized bees.
- CRB traps sent to PTA for deployment at Bradshaw Army Airfield; their NR program is going to deploy and monitor/rebait Also wanted to note that it looks like the invasive species REPI (Readiness and Environmental Protection Integration) Challenge proposal (Chelsea Arnott's) is likely to get some funding

Marine Corps

- Lance Bookless (MCBH) – the first draft of the facility's Bio Security Plan is being put together; contractor reached out to various partner organizations including HISC for materials and protocols that have already been produced; will be adding information on Stony Coral Tissue Loss Disease to the Plan.

10:20 – 10:35 SCTL D and Emergency Rules: Drew Porter (Slides presentation)

- SCTL D and the possible risks to Hawaii: The most lethal coral disease, high rate of mortality/prevalence, affects multiple coral taxa, spreads quickly along reefs, persistent over time. Different then coral bleaching because SCTL D corals do not bounce back after bleaching. One sign is rapid tissue loss. The causative agent has not been identified. They think it is viral with a component of bacteria. Some species have high mortality rates (94%) but no Hawaiian corals have been tested yet. First identified in Florida in 2014. Vectors of spread: direct contact, local water movement and currents, sediments, ballast water (biggest vector), and hull fouling. UV sterilization does not eliminate SCTL D pathogen. Prevention of SCTL D: decontamination of dive gear, monitoring and surveillance, and monitoring of ballast water.
- HISC [Presentation recording](#)
- Decon, there is a recipe for dipping dive gear. It is also not clear whether simply drying your gear completely might kill the pathogen/s

KISC: Tiffani Keanini

Plants

- Miconia: 1781 acres of Aerial surveys, 148 acres of ground survey. Detected and controlled 8 mature trees found in known hotspots area and treated 363 immature trees.
- Continued seedling suppression of 7 priority plant targets: 220 acres surveyed, 886 immature controlled, 136 mature.
- Plant Early Detection Program: Continued our trail, nursery, high priority area, and roadside surveys: 2,768 acres surveyed. Data will feed into updating our species assessments over the next year.

Pests

- Coqui: KISC, in partnership with HDOA, has controlled 16 coqui frogs at 6 different sites.
- LFA:
 - 2 new detections in 2022
 - Wailua detected in June (presented last meeting). Currently working on delimiting surveys which does require rappelling. HAL will be assisting in repelling down the cliff. The first rappelling surveys scheduled in late December.
 - New detection in Koloa/Omao (Southside) in October: Largest infestation currently at 52-65 acres and counting. In an agricultural, residential, pasture lands. We are working on delimiting surveys and collecting the data necessary to determine the resources needed for a control program.
 - Given the size and frequencies of new detections the last 2 yrs, the main lesson learned is that we have reached the time where it is essential to prioritize the development of a comprehensive management strategy with all partners' roles and responsibilities clearly defined so we can effectively continue to manage LFA and prevent further impacts.

Outreach Highlights:

- Stop the Ant month campaign: 109 samples submitted by community members and students as part of our classroom activities. The Wailua detection press release led to over 16 media articles reaching the mainland and international media – getting coverage for LFA across the state.
- Kauai hosted a week long Ohia Love Fest with daily events: 1 seed collecting workshop, 3 tree planning events, biosanitation kit and ohia give away sponsored by Tamba surf, and a larger Ohia Love Fest day event at NTBG Limahuli Garden.

Staffing:

- 4 positions are currently open for applications through RCUH. 2 Invasive Species Field Associates, 1 Pest Response Technician, 1 Field crew leader.

10:35 – 10:45 Break

10:45 – 10:50 TNC: Anthony Ching

- Green Fee meeting tomorrow (12/9) at noon. Green fee webinar registration: https://us02web.zoom.us/meeting/register/tZ0qcOyorzgrG9SRMO5NGbgttIQ2bjo_S0gt
- Learn what people can do to engage and support and also to answer questions. Cedric Gates and Lynn Ichiyama are Ag chairs.
- New House Chairs: <https://lrb.hawaii.gov/par/wp-content/uploads/sites/2/2022/12/2023-House-Leadership-and-Committees-.pdf>
- Senate Chairs: <https://lrb.hawaii.gov/par/wp-content/uploads/sites/2/2022/11/2023-Senate-Leadership-and-Committees.pdf>
- Farm Bill: <https://crsreports.congress.gov/product/pdf/IF/IF12047>
- Federal appropriations requests due in March. Earmarks will still be around, Anthony offering help to write up. Federal Farm Bill primer: <https://crsreports.congress.gov/product/pdf/IF/IF12047>

- Haleakala NPS has their EA out on mosquito suppression work. If anyone has any comment: [Haleakalā mosquito suppression EA: https://www.nps.gov/hale/learn/news/haleakala-national-park-seeks-public-input-on-the-suppression-of-non-native-mosquito-populations-to-protect-endangered-forest-birds-on-maui.htm](https://www.nps.gov/hale/learn/news/haleakala-national-park-seeks-public-input-on-the-suppression-of-non-native-mosquito-populations-to-protect-endangered-forest-birds-on-maui.htm)

10:50 – 10:55 **CRB:** Arisa Barcinas (Slides presentation)

Current status

- Continued increase of trap finds on O‘ahu
- Central O‘ahu and Waianae Coast continue to be the most infested areas
- Increased detections in the North Shore.
- Some sporadic detections in some concerning areas (Waimanalo, Kahuku, Laie)

Shift of Focus

- Priority 1: Ports of exit on O‘ahu
- Priority 2: Properties that prepare CRB host material for export on O‘ahu

Ongoing Projects:

- Recent developments
Damage to banana in heavily infested areas

Palm Treatments

- Experimental trials with drone application of cypermethrin to trees
- Working on authorization for broader use of cypermethrin
- Needs: Streamlined approval of work/access, DOT permissions for work at ports

Compliance Agreements

- 40 businesses and organizations
- Online training available

Palm Surveys

- High priority areas, including a buffer area around airport
- HNL airport palm survey is almost complete

Trapping

- Camera traps are being deployed for field testing
- Thank you to Leila and ISC for their work on deploying traps on Kauai and Big Island.

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

11:00 – 11:05 **MISC:** Teya Penniman

Plants:

- Pampas grass: this has been peak season for pampas grass, when the white feathery plumes are more visible, so the plant crew (only 2-3 people) have been focusing on ground and aerial operations. West Maui is extremely concerning. There are infested areas at almost all elevations. There was a gap in aerial operations (in collaboration with Mauna Kahalawai WP) over a couple of years (combination funding, covid, and other factors) and it is really showing. We have a lot of “catch up” to do, but pampas has always been a bear of a target on West Maui due to weather and steep cliffs.

- Miconia: need to revisit our strategy. Excited that work on the remote sensing project with Ryan Perroy's shop is finally moving forward – idea we may be able to get a really good idea of the status of miconia across the entire East Maui watershed. Stay tuned. And... can't wait for that biocontrol.
- Other plants.. working our way towards eradication.
- Coqui: have had a large crew of around 10 folks (mostly wahine this time around for some reason). Had a recent in-depth article in the Maui Times – free, goes to all households on Maui. Key priority over the next chunk of time will be to see what we're getting from the acoustic monitors – Conservation Metrics. Also need to revisit strategy as we've had staff turnover. Fencing efforts in Olinda underway.
- LFA: new site on the north shore.. some others are a bit challenging with hot spots. Nahiku going well – last big survey results looking awesome. The other East Maui site – Ka'eleku still has issues with one recalcitrant landowner who has folks there growing mushrooms and they don't want us to use pesticides to control. They want to use the fungal approach for controlling. We're in discussions with the county and neighbors, some of whom want to sue.. so it's messy. **And please if anyone has any expertise / knowledge about fungal approaches and LFA or other ants, we would love to chat. I am especially interested in knowing if what they want to do is legal and what if any regulations might apply. Just got a drone to help with aerial surveys.**
- Outreach – happy to have Merrill as our part-time Hoike o Haleakala and MMCAT person helping out. With in-person events going full steam .. busy. And Serena is part of the Ka Ipu Kukui cohort this year.. great opportunity for networking and expanding understanding of how we fit into the larger political /economic world of Maui County. October Ant Month led to lots of test kits given out and more awareness in the community.

11:05 – 11:10 OISC: Nate Dube

Staff

- Hired an EDRR Technician who starts January 3
- **Posting for 4 new ISFA, it will be open until all positions are filled [Please Share](#)**

Funding

- New funding streams this year through Readiness and Environmental Protection Integration (REPI), National Fish & Wildlife Foundation (NFWF), US Forest Service (USFS), Regional Conservation Partnership Program (RCP) Multi year Substantial increase in overall OISC budget from last few years More details at OISC meeting next week Tuesday at 930am, let me know if you're not on the email list and would like to be, and I can add you. oiscmgr@hawaii.edu
- Will be expanding field staff, including building an EDRR crew to support our EDRR efforts led by the new EDRR Technician

Field

- Started trap checks for Africanized honey bees and coconut rhinoceros beetles at Honolulu Harbor
- C. huliokia positive detections #10 (Ahuimanu residential) and #11 (Makaha wildland) Makaha is first detection in the Waianae range Still no C. lukuohia positive detections. Overall, 233,969 acres surveyed in 2022 (two full round of islandwide helicopter surveys and some ground surveys)
- Miconia: 5,759 acres surveyed by ground & air, controlling 6 mature and 860 immature
- Detected and controlled only 1 Rubus armeniacus across 30 acres
- Controlled 120 mature and 655 immature Tibouchina herbacea across 302 acres at Poamoho region.

- Controlled 192 immature *Delairea odorata* across 53 acres
- Transitioning strategy for devil weed control at KTA to focus more on control along trails and roadsides, reduced overall field effort, but increased outreach effort

Outreach:

- Stop the Ant Month (highest requested kits)
- HISAM preparation
- Ohia Love Fest
- Started Plant Pono training, 2 sites so far for establishing program on Oahu
- Working with CGAPS & HDOA on access to two private properties suspected (one confirmed) to have OISC targets on site

Misc.

- Been working with USACE to promote invasive species control (*miconia*) and green infrastructure as a flood mitigation factor for the Ala Wai Watershed
- Working on getting much needed vehicles with DOFAW and secured funding for another through HISC
- Working with DOFAW and HISC to complete some repairs at our office and baseyard

MoMISC: Lori Buchanan

- Working on Upside-down jellyfish, coqui, ROD, *miconia*,
- Assisting with HAL surveys next week. Mahina Malama-Poepoe left MoMISC and got elected to office. Jon Brito (new HAWP Planner) is a Molokai boy as well.

11:15 - 11:20 **HFBF:** Janet Ashman

- Farmers are still struggling with invasive species like CBB, Axis Deer, TLSB. Heavy infestation and impact on ranchers. TLSB management tool- an app to geolocate and ID.
- Families in need could benefit from IS legislation to help local production of food.

11:20 - 11:30 **HISC/CGAPS Strategies Update** (Strategy 6: Increased & Diversified Funding for Invasive Species Priorities)

- HISC and CGAPS are separate but have the same strategies. One of the strategies: Increased and diversified funding for IS priorities. Large task and hard to track progress. We have been able to advocate for more HISC funding for initiatives. Why IS will need more funding and continuing to support that message. One way we are trying to do it is to track legislation for IS funding needs and increase private foundation funding.
- **New opportunities: DLNR Forest Carbon Offset Program.**

11:30 – 11:40 **CGAPS:** Christy Martin

- Stephanie Easley: continuing to work intra/interisland rules. CRB rules expires July 2023. HDOA does not have authority and USDA does not inspect material, now USDA is working to fill that gap.
- **Kailee Lefebvre** : airport biosecurity display will go up in mid-January in the Daniel K. Inouye airport here in Honolulu. Also working on a project to advocate for our birds. Currently there is around 1,000

students from across the state participating in this project. Project will introduce a resolution to protect the forest birds.

- Christy: the airport biosecurity display has videos of employees in IS management from across the state. We still need representation from Molokai and Maui. Went with Elliot to IS conference (Palau).

11:40 – 11:55 Additional Partner Updates

UH PEPS Agrosecurity Lab: Mike Melzer- [Slide Presentation](#) on CGAPS.org

- College update- Interim Dean & Director- Ania Wieczorek
- Finished external CTAHR review. Conducted in Oct 2022. Finally starting to hire again. New ornamental extension agent will come on board soon.
- CTAHR is supposed to provide pesticide safety and education workshop. Training available on Hawaii Island. Go to CTAHR website for more information. By being trained will allow us to continue to be a land grant university.
- PEPS: 33% of CTAHR's external funding and submitted 10 positions with no faculty positions. Agrosecurity lab is about to start the potato work. Needs to certify seed potatoes. UH does about 10-22% of diagnostics on all potatoes in US.

Master Gardeners: Robert Speer

- Using the Pearl City Urban Garden for classroom. Tina Lau is the new extension agent there. PCUG is comprised of 33 acres in central Oahu. It is specifically designed for educational purposes for the public. There's a new extension project called Extension in the Garden.

Pacific RISCC: Elliott Parsons

- Pacific RISCC has been putting out summaries for resource managers.
- <https://mailchi.mp/00a16dd34c19/pacific-riscc-manager-research-summary-november-2022-zabin-et-a-l-2022>
- <https://mailchi.mp/9e6ccd1830e8/pacific-riscc-manager-research-summary-number-one>
- Webinar website: https://pi-casc.soest.hawaii.edu/events/?tx_programs=pi-riscc
- https://pi-casc.soest.hawaii.edu/events/?tx_programs=pi-riscc
- Forgot to mention these: Items of Interest, Upcoming:
- Climate Week and the PI-CASC Science Summit, January 10 & 11.
- <https://pi-casc.soest.hawaii.edu/news/2023-hawaii%ca%bbi-climate-adaptation-science-summit/>
- <https://climate.hawaii.gov/hi-conference/hawaii-climate-week-2023/>
- The 5th annual Marianas Conservation Conference, Feb. 21-23, virtual, <https://www.marianasterrestrialconservation.org/>

11:55 – 12:00 New Business and Announcements

- Working on scheduled dates for qtr meetings for 2023. We are looking for a date for a possible in-person meeting.
- Will send out a survey on format and structure of the CGAPS meeting.

Other Updates provided via email:

National Park Service: Jadelyn J. Moniz Nakamura

Haleakalā NP

- Avian malaria EA due for imminent release, mid-Nov. public release
- Facilitating mark-release-recapture work with partners for avian malaria purposes
- RCUH employee working on predator control data and effectiveness, recommendations for ground nesting birds

NP of American Samoa

- Recently completed USGS submarine water discharge and giant clam assessment and mesophotic reef study

War in the Pacific NHP & American Memorial Park

- On terrestrial side, working w/USGS and UG on tree snake eradication and suppression at and around Asan Beach Park (1 yr. funding/project at moment); invasive plant work, tree snail surveys, and little fire ant control will be started once interns on board
- In AMME working with local govt. in Saipan on mangrove suppression project; Zach Williams from Commonwealth working with AMME on it, going to work on growing mangroves and out-planting

Hawaii Volcanoes NP

- ROD spread is slowing in ungulate free areas; in other areas like East Rift with a lot of pigs ROD is spreading

Pu'uhonua o Hōnaunau NHP

- The goat saga...park traps, DLNR takes away...now doing small-scale trapping but still getting a lot, many moving south to ALKA; working on additional fencing, trapping

Western Integrated Pest Management Center- Matt Enrico Baur:

- something that was discussed at length at the recent Western Weed Coordinating Committee meeting in Portland. Carol Randall has been pushing the idea of letter writing to representatives and other administrators to highlight the need for new biological control scientists throughout the West. I know the CGAPS group has been working towards a quarantine facility in Hawaii, and this might be a good time to join forces to advance the biocontrol front in natural and rangeland areas.

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.