



HAWAI'I CONSERVATION ALLIANCE
A Partnership Dedicated to Environmental Stewardship, Community Engagement, and Conservation Capacity



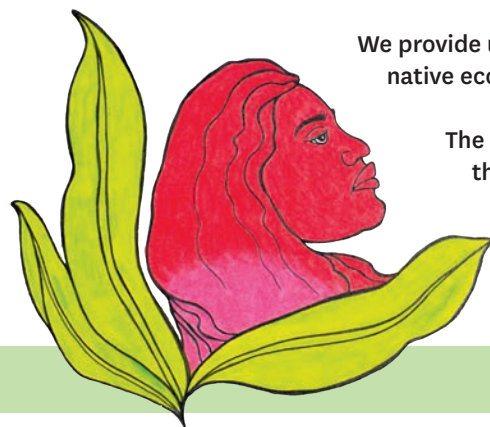
**Hawai'i Conservation Alliance
FOUNDATION**

The Hawai'i Conservation Conference is jointly produced by the Hawai'i Conservation Alliance and Hawai'i Conservation Alliance Foundation.

The Hawai'i Conservation Alliance envisions thriving, abundant lands and seas with their native ecosystems actively cared for by generations of stewards, steered by excellent science and Hawaiian values and practice.

We provide unified leadership, advocacy, and collaborative action to conserve and restore native ecosystems and the unique biodiversity of our islands.

The Hawai'i Conservation Alliance Foundation (HCAF) is a 501(c)(3) non-profit with the purpose and mission to support and advance the capacity building, native ecosystem and biocultural conservation work of the Hawai'i Conservation Alliance (HCA) through fundraising, advocacy, and strategic outreach, and communications.



Thank you to our sponsors!

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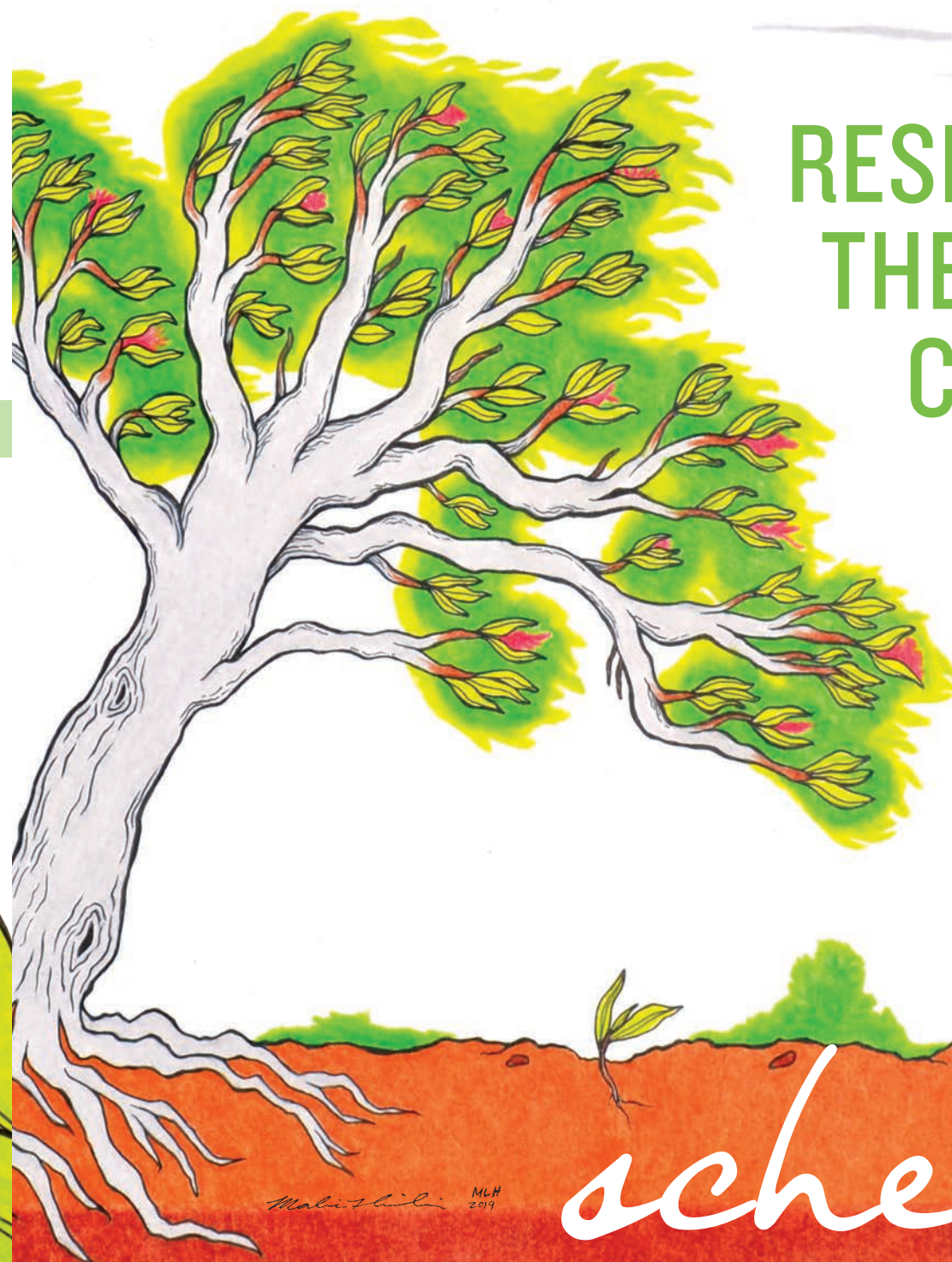


**The Wildlife Society
Hawai'i Chapter**


HE 'A'ALI'I KŪ MAKANI AU

RESILIENCE IN THE FACE OF CHANGE

**26TH HAWAI'I
CONSERVATION
CONFERENCE**



schedule

ROOM 316 A		ROOM 316 B/C	ROOM 311	ROOM 315	ROOM 314
SESSION 1 1:00 - 3:00PM	201 SYMPOSIUM: Resilience in aquatic ecosystems: Robust, yet fragile MODERATOR: Kimberly Peyton	GENERAL SESSION: Terrestrial Management MODERATOR: Gordon Tribble	139 FORUM: Journeys in Conservation from Across the Pacific: Pacific Resiliency Fellows Share Their Efforts to Build Resiliency in Their Communities PRESENTERS: Elia Herman, Neil Hannahs	420 SYMPOSIUM: Biocultural Restoration in Hawai'i MODERATOR: Kawika Winter	301 SYMPOSIUM: Building Resilience into Marine Wildlife Conservation through Emergency Response & Reporting MODERATOR: Angela Amlin
1:00 PM	374: West Hawai'i coral reef communities after a catastrophic loss: Signs of recovery, resilience, and continued declines following the 2015 coral bleaching event PRESENTER: Lindsey Kramer	292: Assessing Ungulate Populations in Forested Areas with Aerial FLIR Surveys: Results and Early Lessons PRESENTER: Nicolai Barca		197: 'Āina Kaumaha: Kamehameha Schools' Indigenous Resource Management PRESENTER: Natalie Kurashima	738: What can we learn from whale and dolphin strandings? PRESENTER: Kristi West
1:15 PM	387: Enhancing Native Species Resilience Through Effective Management of Aquatic Invasive Species PRESENTER: Justin Goggins	339: Development of a Rodent Bait with Slug-repellent Properties PRESENTERS: Tyler Bogardus, Stephanie Marie Joe		427: Using the Hawaiian Footprint to Inform Biocultural Restoration and Future Sustainability in Hawai'i PRESENTERS: Sam 'Ōhu Gon	587: What We Learn from Responding to Stranded Sea Turtles and Monk Seals in Hawai'i PRESENTER: Michelle Barbieri
1:30 PM	406: Tracking <i>Salvinia molesta</i> Distribution Throughout Kaua'i's Watersheds and Thier Physical Characteristics Which Increase Ecosystem Resilience PRESENTER: Daniel Lager	341: Monitoring Rat Activity using Game Cameras PRESENTERS: Tyler Bogardus and Walter Thomas Russell III		432: Eco-engineering, eco-mimicry and other applications of indigenous resource management to maximize ecosystem services and address issues of sustainability in Hawai'i PRESENTER: Kawika Winter	378: Humane Response Decision Making For Compromised Hawaiian Monk Seals, Sea Turtles and Cetaceans (Whales and Dolphins) in Hawai'i. PRESENTER: David Schofield
1:45 PM	413: Evaluating the Efficacy of a Reef Restoration Strategy Using a Photomosaic Method PRESENTER: Natalie Dunn	347: In the know. Can artificial intelligence interpret camera trap data from the Hawaiian forest? PRESENTER: Mari K Reeves		519: Biocultural restoration of traditional agriculture: cultural, environmental, and economic outcomes of lo'i kalo restoration in He'eia, O'ahu PRESENTERS: Leah Bremer, Kim Falinski, Casey Ching, Christopher Wada, Kimberly Burnett, Kanekoa Kukea Shultz, Nick Reppun, Gregory Chun, Kirsten Oleson, Tamara Tickin	652: Partnerships and Community-based Stewardship Supports Marine Wildlife Resilience in Hawai'i PRESENTER: Irene Kelly
2:00 PM	474: Citizen Science: Utilizing iNaturalist to Report Aquatic Invasive Species in the State of Hawai'i PRESENTER: Kimberly Fuller	441: The Rain, Pain, and Gain: Development and Potential Applications of Automated Real-Time Gridded Rainfall Maps for Conservation and Natural Resource Management PRESENTER: Matthew Lucas	603 FORUM: Hoa'aina of Hā'ena: the story of an ohana-driven organization's journey towards 'Āina Momona in Hā'ena, Kaua'i PRESENTERS: Emily Cadiz, Presley Wann	638: Restoration of 'Aina Malo'o on Hawai'i Island PRESENTER: Noa Lincoln	539: Kia'i Kanaloa PRESENTER: Noelani Puniwai
2:15 PM	566: Hawai'i's Limu Initiative PRESENTER: Ryan Lee Yaichi Okano	568: Coastal dune restoration via biomimicry sand collection systems PRESENTERS: Jacob Egelhoff, Elaine Beaudoin, Ty Spangler		611: Developing and Implementing Indicators on Connections Between People and Place PRESENTER: Pua'ala Pascua	340: Greater than the sum of its parts: the role of public-private partnerships in building resilient marine wildlife populations through emergency response and rehabilitation PRESENTER: Claire Simeone
2:30 PM	644: Finding resilience in muliwai: Do estuaries of Hawai'i need a baseline state? PRESENTER: Kimberly Peyton	628: Prioritizing fire management, conservation and stakeholder trust over a large landscape at Pu'u Wa'awa'a, Big Island PRESENTERS: Clay Trauernicht, Derek Ford*		642: Preserving Ancient and Historic Trail Systems in Hawai'i Through Community-Based Stewardship, Descendant Kuleana, and Ancestral Indigenous Knowledge PRESENTER: La Crivello*	589: A seal-eyed view of the underwater habitats of the Hawaiian Archipelago PRESENTER: Stacie Robinson
2:45 PM	689: Shallow Water Resource Fish Surveys (SWRF) in West Hawai'i: A Comparative Survey Suggests Decline in Key Resource (Food-Fish) Species in Need of Conservation and Management Efforts PRESENTER: Stacia D. Marcoux	635: Mapping and prioritizing vegetative fuels management projects to reduce fire risk across Hawai'i State PRESENTER: Clay Trauernicht		691: Identifying and tracking indicators of success in biocultural restoration PRESENTERS: Katy Hintzen, Kristen Goodrich, Kawika Winter, Pua'ala Pascua, Pelika Andrade, David Kidwell	227: Trends in male humpback whale song chorusing off Maui, Hawai'i since 2014/15 PRESENTER: Anke Kuegler*
3:00 - 3:15 PM >> BREAK					
SESSION 2 3:15 - 5:15PM	GENERAL SESSION: Plants MODERATOR: Randy Bartlett	316 SYMPOSIUM: Traditional and Contemporary Approaches to Ahupua'a Management in the He'eia National Estuarine Research Reserve MODERATOR: Yoshimi Rii	GENERAL SESSION: Threats MODERATOR: Wendy Miles		72 SYMPOSIUM: Conservation's Best Friend? Detection Dog's utility, efficacy, and science explored MODERATORS: Kyoko Johnson and Michelle Reynolds
3:15 PM	425: Pollination Biology of Hawaiian <i>Lysimachia (Primulaceae)</i> -Evidence for Moth Pollination in the Hawaiian Flora PRESENTER: Timothy Kroessig*	346: Invasive mangrove removal at scale: tracking ecosystem change during a restoration project at the He'eia National Estuarine Research Reserve PRESENTER: Kim Anne Falinski	573: Potential Changes in Infiltration in Hawaiian Forests Caused by Climate Change and Invasive Species PRESENTER: Lucas Berio Fortini		471: The use of scent discriminating canines for the early detection and management of plant diseases PRESENTER: Julian Lior Mendel
3:30 PM	440: Wiliwili and the war of wasps: A controlled release of the biocontrol <i>Eurytoma erythrinae</i> to increase viable seedset of <i>Erythrina sandwicensis</i> PRESENTER: Robert Yagi	567: A functional trait approach to agroforestry design for biocultural restoration in He'eia O'ahu PRESENTER: Zoe C Hastings*	180: Developing An Underdominance Gene Drive System In The Southern House Mosquito PRESENTER: Jared Nishimoto*		355: Scent discriminating canines as an additional tool in the fight against ROD PRESENTER: Kealoha Kinney
3:45 PM	782: Hawai'i Forest Plant Gathering Practices & Implications: Na ke kanaka mahi ai ka imuonui PRESENTER: Katie Kamelamela*	704: Crabbing & Connectivity: Science for Sustainability PRESENTER: Kaleonani KC Hurley*	533: What's on Your Plate?: Land-based Pollutants in Hawaiian Reef Fishes PRESENTER: Eileen Nalley*		86: Efficacy of Detection Canines for Avian Botulism Surveillance and Mitigation at Hanalei National Wildlife Refuge PRESENTER: Michelle Reynolds
4:00 PM	790: Reproductive Ecology and Population Genetics of Hawaiian Wiliwili, <i>Erythrina sandwicensis (Fabaceae)</i> PRESENTER: Emily Grave	785: Ridge restoration and reef response: Impacts of invasive mangrove removal on nearshore coral reef PRESENTER: Ashley Elizabeth McGowan*	572: Sunscreen use assessment in Hawaii prior to the 2021 chemical ban PRESENTER: Arielle Levine		337: New Zealand Department of Conservation's Pest Detecting Dog Programme PRESENTER: Miriam Ritchie
4:15 PM	773: Beyond Words – Exploring Media-Representation of Endangered Species PRESENTERS: Maiko Ikeda, Joseph Iseri, Tomoki Kobayashi, Michael Dowd	356: Time-series monitoring of the microbial food web within Kāne'ohe Bay and the surrounding open ocean PRESENTER: Sarah Jeanne Tucker*	600: The effects of the herbicide atrazine on lace coral PRESENTER: Alexandria Lynn Barkman*		667: Training dogs to detect imported fire ants PRESENTER: William Chi
4:30 PM	816: The Effect of Ungulate Fencing, Salt Spray, and Soil Type on the Coastal Plant Distribution and Abundance on the Kalaupapa Peninsula, Molokai PRESENTER: Cameryn Rae Kahalewai*	695: Coordinating Education and Training Programs at the Ahupua'a Scale PRESENTER: Frederick Reppun	663: Hunting in Paradise: hunting and harvest data on Lāna'i 2014-2018 PRESENTER: Shaya Honarvar		614: Scent Detection Dogs as a Tool for Species Monitoring and Impact Study at Renewable Energy Sites PRESENTER: Lauralea Oliver
4:45 PM	678: Liko Nā Pilina Experiment: Lessons Learned in a Path Towards Restoration Sustainability PRESENTER: Rebecca Ostertag	451: Stable isotopes reveal food web dynamics for native and invasive mullet species in He'eia fishpond PRESENTER: Patrick Kendall Nichols*	601: Evaluating Landscape-scale Conservation in the Face of Climate Change: The Pacific Islands Climate Change Cooperative PRESENTER: Wendy Miles		353: Detector dog (and other methods) lead to the first confirmed Band-rumped Storm Petrel colony in the Hawaiian Islands PRESENTER: Nicole Glaser
5:00 PM	15 MINS DISCUSSION	584: The Hawaiian Ko'a Card: A coral health assessment tool for coral reef resilience, bleaching occurrence, and socioeconomic impacts of climate change in the Hawaiian Islands PRESENTER: Keisha Bahr	15 MINS DISCUSSION		733: Detection Dog Trained to Locate Multiple Threatened Species in New Zealand PRESENTER: Andrew Glaser
5:15 - 5:30 PM >> DAILY CLOSING PROTOCOL · 5:30 - 7:30 PM >> SPECIAL EVENT: Society for Conservation Biology - Hawai'i Chapter Summer Evening Event:			“'Āina Momona: Conservation for Abundance” Presenters: Dr. Kawika Winter, Dr. Melissa Price, and Brutus La Benz, ROOM 311		

WEDNESDAY July 10th 2019

8:00 - 8:05AM >> Opening Protocol · 8:05 - 8:15AM >> Welcome, introduce keynote · 8:15 - 9:00AM >> Keynote Speaker - Richard Pyle · 9:30 - 9:45AM >> HCA Award - Legacy Award


9:00 - 9:15AM >> Thank Keynote, Introduce Awards · 9:15 - 9:30AM >> HCA Award - Outstanding Leadership Award ·

ROOM 316 A		ROOM 316 B/C	ROOM 311	ROOM 315	ROOM 314
SESSION 3 10:00AM - 12:00PM	GENERAL SESSION Birds & Bats MODERATOR: Loyal Mehrhoff	281 SYMPOSIUM: Challenges and Successes of Conserving Hawai'i's Terrestrial Invertebrates: A Seven Year Update MODERATOR: Noring Yeung	266: WORKSHOP Finding & Using Your Voice As a Platform for Conservation - A Nāhululehiwakuipapa Emerging Professionals Workshop MODERATORS: Linnea Heu, Sharon Ziegler-Chong PRESENTERS: Springer Kaye, Ku'uwehi Hiraishi, Alec Wagner, Beau Bassett	GENERAL SESSION: Marine Management MODERATOR: David Delaney	293 SYMPOSIUM: Urban 'Āina: Nurturing Biocultural Connections Where We Live MODERATOR: Heather McMillen, Manu Meyer, Kamuela Enos
10:00 AM	705: Foraging ranges of the Hawaiian hoary bat on Maui PRESENTER: Brad Yuen	727: Not gone yet, but we're not well either: an update on Hawai'i's remaining land snails PRESENTER: Kenneth A. Hayes		442: Characteristics of effective Marine Protected Areas in Hawai'i PRESENTER: Whitney Goodell	551: Being a Maka'ainana In an Urban World PRESENTER: Kialoa Mossman*
10:15 AM	559: Habitat use of the Hawaiian hoary bat on Maui PRESENTER: Dave Johnston	762: Act Now or Forever Hold Our Peace. Rapid Widescale Land Snail Extirpation and Extinction Calls for Immediate Emergency Intervention PRESENTER: David Sischo		735: Reproduction of the 'A'ama Rock Crab Grapsus tenuicrustatus in Hawai'i and Other Pacific Island Communities PRESENTER: David Bybee	426: The 'Ōhi'a Legacy Initiative; A Grassroots Effort to Return 'Ōhi'a to Urban Hawai'i PRESENTER: JC Watson
10:30 AM	464: Minimizing mortality of Hawaiian hoary bats at wind farms PRESENTER: Loyal Mehrhoff	726: Captive Rearing of the Orangeblack Hawaiian Damselfly (<i>Megalagrion xanthomelas</i>) and Reintroduction Attempts on O'ahu PRESENTER: William Haines		736: Ecosystem Effects of Sea Level Rise on Anchialine Pools in West Hawai'i PRESENTER: Lisa Marrack	728: The Ulu Lehulehu-Million 'Ōhi'a Initiative, Bringing 'Ōhi'a Back Into Our Everyday Lives PRESENTER: Rebekah Ohara
10:45 AM	447: Identifying seabird colonies and near-island distributions at sea to inform potential offshore wind energy development surrounding the main Hawaiian Islands PRESENTER: Emma Cashman Kelsey	721: Improving Captive Rearing Methods for the Endangered Orangeblack Hawaiian Damselfly (<i>Megalagrion xanthomelas</i>) PRESENTER: Kelli Konicek		238: Using Citizen Science to Monitor Whale Sharks (<i>Rhincodon typus</i>) throughout the Hawaiian Islands PRESENTERS: Stacia Diane Marcoux, Travis Michael Marcoux	764: Citizen Foresters: Understanding the trees where we live to engage communities and catalyze stewardship PRESENTER: Shannon Noelle Rivera
11:00 AM	114: How Do Seabirds See Light? Effects of Color on Retinal Response to Light PRESENTER: Hannah Moon*	717: The Pulelehua Project: Attempts to Expand Populations of Native Butterflies through Captive Rearing and Reintroduction Coupled with Habitat Enhancement PRESENTER: William Haines		345: Spatial distribution of green sea turtle (<i>Chelonia mydas</i>) nests at French Frigate Shoals, Hawai'i: Implications for carrying capacity? PRESENTER: Alexandra S. Reininger*	443: Restoration of an urbanized ahupua'a within Ko'olaupoko PRESENTER: Kawika Winter
11:15 AM	199: Wedge-tailed Shearwater Persistence in Human-Dominated Areas PRESENTER: Jessica Lauren Idle*	271: Exclusion of invasive ants increases nest success of an endangered Hawaiian yellow-faced bee (<i>Hylaeus anthracinus</i>) PRESENTER: Sheldon Plentovich		367: Characterizing Habitat Complexity and Fish Assemblage Structure at French Frigate Shoals Using 3-Dimensional Reconstruction Techniques PRESENTER: Brianna Craig*	462: Challenges & Successes in Providing Accessible Restoration Opportunities in Urban Ko'olaupoko PRESENTER: Kristen Nalani Kane
11:30 PM	207: The urbanization of the Hawaiian stilt: meet the new neighbors PRESENTER: Martha Kawasaki*	554: Marketing invertebrate conservation in Hawai'i: principles, audiences, and strategies. PRESENTER: Christopher Agustin Johns		OPEN DISCUSSION	407: New Tools and Resources for Enhancing Urban and Community Forestry PRESENTER: Miranda Leigh Hutten
11:45 AM	249: Nest Initiation Time and Distance to Water Predict Nesting Success of the Ae'o (Hawaiian Stilt - <i>Himantopus mexicanus knudensi</i>) in Wetlands on O'ahu PRESENTER: Kristen Corey Harmon*	15 MINUTE DISCUSSION			765: Aloha 'Āina Practices: Growing Trees and Youth in Urban Settings PRESENTER: Indrajit Gunasekara

12:00 - 1:00 PM >> LUNCH

12:00 -12:45PM >> Rapid 'Ōhi'a Death “brown bag” question and answer session
12:45-1:00PM 'Ōhi'a Challenge Winner Announcement


IUCN Hui meeting on the IUCN WCC 2020 Programme

SESSION 4 1:00 -3:00PM	157 SYMPOSIUM: Hawaiian Forest Birds - Developing conservation strategies to address current and future threats MODERATOR: Lainie Berry	310 SYMPOSIUM: Science and Management of Rapid 'Ōhi'a Death Part 1 MODERATOR: James Boyd Friday	792 FORUM: From Local to Global - using the Watershed Snapshots to prepare for WCC 2020 PRESENTERS: Kawika Winter, Chipper Wichman, Emma Anders, Kevin Chang	550 FORUM: Building Resilience by Building Leaders: Cutting-Edge Environmental Law & Policy Research from Hawai'i's Law Students PRESENTERS: Richard Wallsgrove, three law students	309 FORUM: Empowering Fishers to Lead: A New Approach to Creating Neutral Spaces and Informed Decision Makers for Complex Fisheries Issues PRESENTERS: Aarin Gross, Matt Ramsey, Phil Fernandez, K.J. Chang, David Sakoda, Chris Hawkins, Joshua DeMello
1:00 PM	267: Research and Management Priorities for Hawai'i Forest Birds PRESENTER: Steven Jerry Kendall	497: The importance of ungulate induced wounds in transmission of the fungal pathogen, Ceratocystis, into 'Ōhi'a trees: Evidence at plot- and landscape-scales. PRESENTER: Flint Hughes			
1:15 PM	383: Scaling-up restoration to protect Hawai'i Island birds from the spread of invasive diseases and habitat degradation due to climate change PRESENTER: Paul Banko	424: Disease Biology of the Ceratocystis Fungi Involved in Rapid 'Ōhi'a Death PRESENTER: Marc A. Hughes			
1:30 PM	592: Beginning to re-establish a Palila population on northern Mauna Kea PRESENTER: Koa Matsuoka	492: Investigating the role of beetles in the spread of ROD: Status of research PRESENTER: Robert Peck			



WEDNESDAY July 10th 2019

ROOM 316 A		ROOM 316 B/C	ROOM 311	ROOM 315	ROOM 314
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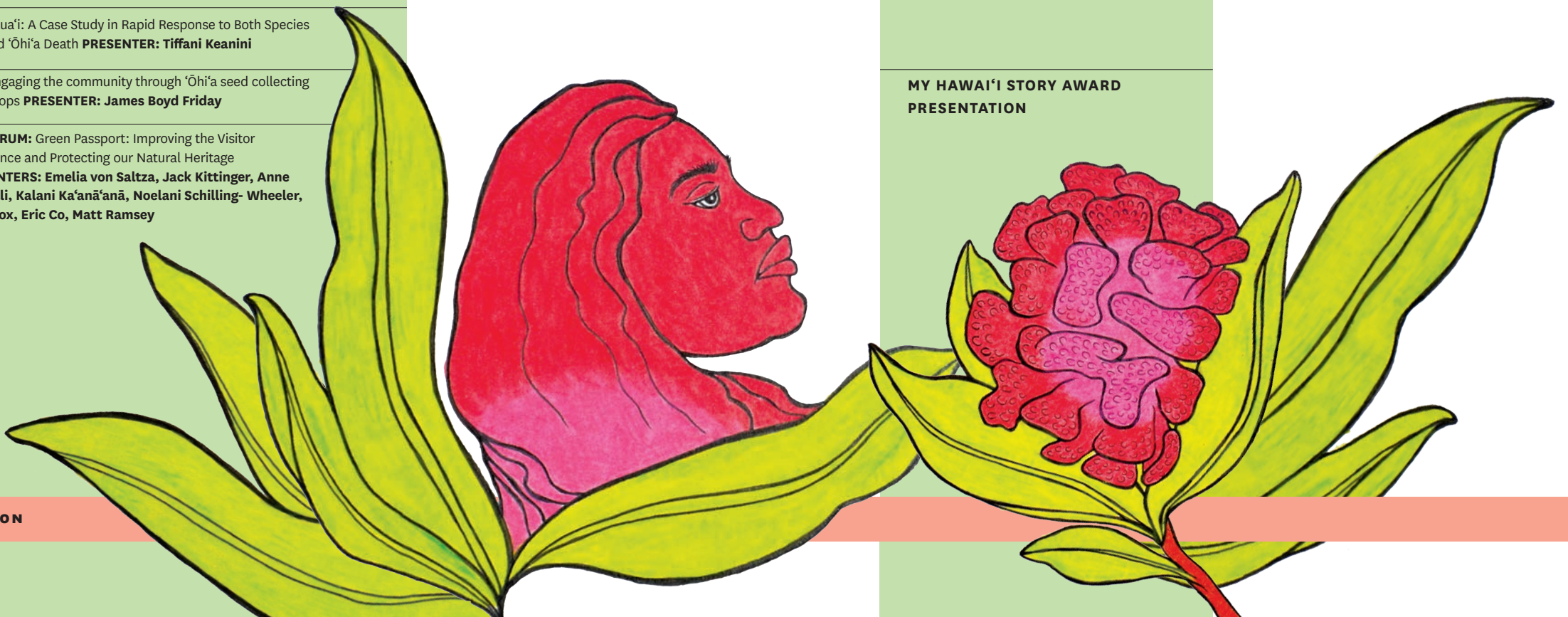
SESSION 4 (CONTINUED) 1:45 PM	428: Troubling declines in Maui’s endemic honeycreepers: 2017 east Maui HFBS PRESENTER: Christopher Charles Warren	588: ROD mortality trajectories in varied environmental and management settings PRESENTER: Ryan Perroy	(CONTINUED) 792 FORUM: From Local to Global - using the Watershed Snapshots to prepare for WCC 2020 PRESENTERS: Kawika Winter, Chipper Wichman, Emma Anders, Kevin Chang 	149 FORUM: Mālama ‘Āina Wiki Student Presentations PRESENTER: Noelani Puniwai , up to 30 students (10 mins each)	(CONTINUED) 309 FORUM: Empowering Fishers to Lead: A New Approach to Creating Neutral Spaces and Informed Decision Makers for Complex Fisheries Issues PRESENTERS: Aarin Gross, Matt Ramsey, Phil Fernandez, K.J. Chang, David Sakoda, Chris Hawkins, Joshua DeMello
2:00PM	487: Ensuring long-term survival of Papahānaumokuākea Marine National Monumen’s three endemic songbirds through monitoring, habitat management, and translocation PRESENTER: Sheldon Plentovich	630: The evolving threat of Rapid ‘Ōhi’a Death (ROD) to Hawai’i’s native ecosystems and rare plant species PRESENTER: Lucas Berio Fortini			
2:15 PM	718: An ‘Alalā update: data and reflections from 18 months in back in the wild PRESENTER: Alison Greggor	416: Sharing Data in a Multi-Agency Collaboration: Managing Rapid ‘Ōhi’a Death in Hawai’i PRESENTER: Brian Tucker			
2:30 PM	156: Using Quantitative Strengths, Weaknesses, Opportunities and Threats (SWOT) Analysis to Improve Planning and Decision-Making of Reintroduction Efforts of ‘Alalā (<i>Corvus hawaiiensis</i>) PRESENTER: Jacqueline Gaudioso-Levita	731: The Hunt for ROD Resistant ‘Ōhi’a Genotypes: Building the Foundation for a Disease Resistance Improvement Program for Restoring ROD Impacted Hawaiian Forests PRESENTER: Alealani N Evangelista			
2:45 PM	632: The return of the naturalist: A forest bird field school takes flight in Hawai’i PRESENTER: Treasa Colleen Cole	15 MINUTE DISCUSSION			

3:00 - 3:15 PM >> BREAK

SESSION 5 3:15 -5:15PM	GENERAL SESSION: Forest and Seabirds MODERATOR: Jay Penniman	709 Symposium: Science and Management of Rapid ‘Ōhi’a Death Part 2 MODERATOR: James Boyd Friday	358 WORKSHOP: Pahu Manamana o Umi - Decoding ancestral structures through Papaku Makawalu MODERATORS: Huihui Kanahele-Mossman, Kala Mossman, Kalei Nuuhiwa, Kuulei Higashi-Kanahele, Pualani Kanahele, Pualani Lincoln-Maielua	137 FORUM: Kids Creating Conservation Innovations: Students Share Their Hawai’i Youth Sustainability Challenge Projects MODERATORS: Elia Herman, Natalie McKinney, Emily Ishikawa	528 WORKSHOP : Hawai’i Wildlife Crime Prosecutors Workshop PRESENTERS: Denise Antolini, Keith Swindle, Justin Kollar, Marc Wallenstein, Carlton Helm, Danica Swenson, Ian Garrod				
3:15 PM	115: Behavioral Landscape of ‘Ōma’o (<i>Myadestes obscurus</i>) Vocalizations in a Naturally Fragmented Habitat PRESENTER: Erin Netoskie*	430: Potential Heat and Chemical Treatments of Ceratocystis-Infected ‘Ōhi’a Wood PRESENTER: Marc A. Hughes							
3:30 PM	317: Shedding light on the Alaka’i Plateau: habitat modeling for endangered honeycreepers PRESENTER: Erica Marie Gallerani	669: Management of Rapid ‘Ōhi’a Death on Hawaii Island PRESENTER: Bill Buckley, Bill Stormont, David Benitez							
3:45 PM	581: Examining the Effect of Helicopter Noise on Bird Assemblages in Hawai’i’s Protected Natural Areas PRESENTER: Karen Gallardo Cruz*	527: Kaua’i: A Case Study in Rapid Response to Both Species of Rapid ‘Ōhi’a Death PRESENTER: Tiffani Keanini							
4:00 PM	710: Machine annotation of Puaiohi calls in environmental acoustic recordings PRESENTER: Madori Rumpungworn*	734: Engaging the community through ‘Ōhi’a seed collecting workshops PRESENTER: James Boyd Friday							
4:15 PM	493: Potential application of Wolbachia-mosquitoes to break the disease cycle in Hawaiian forest birds at the landscape scale PRESENTER: Chris Farmer	298 FORUM: Green Passport: Improving the Visitor Experience and Protecting our Natural Heritage PRESENTERS: Emelia von Saltza, Jack Kittinger, Anne Boticelli, Kalani Ka’ana’ana, Noelani Schilling- Wheeler, Mark Fox, Eric Co, Matt Ramsey							
4:30 PM	463: Changes in predator activity and Hawaiian petrel reproductive success in response to landscape-level predator control PRESENTER: Rachel Sprague								
4:45 PM	708: Native Hawaiian alpine shrubland and a resident endangered seabird population exhibit resilience following ungulate exclusion PRESENTER: Jennifer Learned								
5:00 PM	729: Restoring Seabirds in Hawai’i - Resilient Beings But Require Our Commitment To Recover PRESENTER: Jay Penniman								





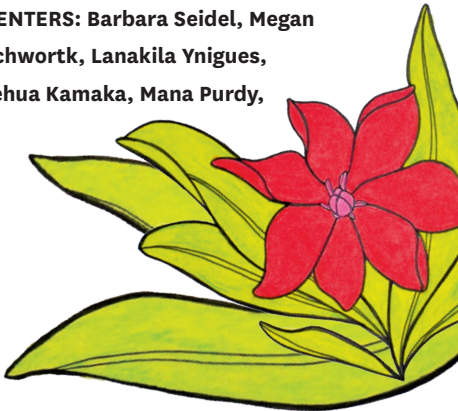

5:15 - 5:30 PM >> DAILY CLOSING PROTOCOL • 5:30 - 7:30 PM >> PAU HANA RECEPTION



THURSDAY July 11th 2019

8:00 - 8:05AM >> Daily Protocol · 8:05 - 8:15AM >> Welcome, Introduce Plenary · 8:15 - 8:45AM >> Suzanne Case - Plenary · 8:45 - 9:00AM >> HCA Awards - Distinguished Service · 9:00 - 9:15AM >> HCA Awards - Conservation Innovation · 9:15 - 9:45AM >> Student Awards


9:45 - 10:00AM >> BREAK

ROOM 316 A		ROOM 316 B/C		ROOM 311	ROOM 315	ROOM 314
SESSION 6 10:00AM - 12:00PM		282 FORUM: Building Resilience through Partnership: The Hawaiʻi Association of Watershed Partnerships’ Approach to Conserving Watersheds PRESENTERS: Chris Brosius, Stephanie Dunbar-Co, Yumi Miyata, Cheyenne Perry, JC Watson	376 SYMPOSIUM: The Hawaiʻi Conservation Alliance’s Effective Conservation Program and Hawaiʻi Conservation Status Report MODERATOR: James D. Jacobi	170 SYMPOSIUM: How Do Our Nearshore Fisheries Measure Up? MODERATOR: Eva Schemmel		
10:00 AM		410: Applying Effective Conservation in Priority Setting in Hawaiʻi PRESENTER: Sam ʻOlu Gon	384: Lessons learned from data-limited stock assessments of coral reef fish in Hawaiʻi PRESENTER: Marc Nadon			
10:15 AM		273: Transforming Data into Action with the Division of Forestry and Wildlife PRESENTER: Emma Yuen	111: Patterns in Coral Reef Fisheries of the Main Hawaiian Islands Revealed Through Creel Surveys PRESENTER: David G. Delaney			
10:30 AM		362: Species Distribution Models used in Conservation Planning: Examples from the Pacific Islands PRESENTER: Stephen Miller	565: Efficacy of the Initial Community-based Subsistence Fishing Area at Hāʻena, Kauaʻi PRESENTER: Kuʻulei Rodgers			
10:45 AM		648: Division of Aquatic Resources is improving data management of aquatic resources by providing tools to see a bigger picture PRESENTERS: Kimberly A Peyton, Eko Lapp	366: Why Wait? Initial Response of Nearshore Fishery Resources of Kaʻūpūlehu, West Hawaiʻi to a 10-year Fishing Moratorium PRESENTER: Chad Wiggins			
11:00 AM		679: Bridging spatial data and ʻōiwi worldview for biocultural stewardship with Kamehameha Schools PRESENTER: Amber Nāmaka Whitehead	175 Workshop: Community-Based Marine Resource Monitoring MODERATOR: Eva Schemmel			
11:15 AM		702: Watershed Snapshots - a biocultural approach to understanding and promoting healthy communities through place-based conservation and management PRESENTER: Manuel Mejia				
11:30 PM		655: Translating Specimen Data into Conservation Action PRESENTER: Allen Allison				
11:45 AM		379: The Hawaiʻi Conservation Alliance’s Effective Conservation Program: a tool to assess the status of conservation in Hawaiʻi and to support additional priority conservation actions at the state-wide level PRESENTER: James D. Jacobi				
12:00 - 1:00 PM >> LUNCH		LUNCH FORUM: “Kāne and Kanaloa Are Coming: How Will We Receive Them? A Kānaka Take on Climate Change and Indigenous Resilience” Opening Plenary Follow up				
SESSION 7 1:00 -3:00PM		262 FORUM: Connecting with Honuamea: A Bio-Cultural Way Towards Resilience PRESENTERS: Kekuhi Kealiikanakaoleohaililani, Kainana Francisco, Kalena Blakemore, Mililani Browning, Monika Frazier, Linnea Heu, Lea Kaʻahaʻaina, Joe Kern, JoAnna Quitan Kern, Rachel Kingsley, Natalie Kurashima, C. Kalā Lindsey-Asing, Renee Pualani Louis, Sierra McDaniel, Becky Ostertag, Puaʻala Pascua, Cheyenne Hiapo Perry, Aimee Sato, Jermy Uowolo, Nāmaka Whitehead, Darcy Yogi	183 FORUM: Laukahi Plant Conservation Network’s Research Agenda and Applicative Research Question Design PRESENTERS: Emily Grave, Chipper Wichman, Matthew Keir, Don Drake	165 FORUM: Motions and Governance Process for the 2020 IUCN World Conservation Congress PRESENTERS: Ryan McDermott, Kekoa Andrade, Katie Pham, Lorenzo Lima, Emily Gaskin, Denise Antolini	205 SYMPOSIUM: You CAN try this at home: Breakthroughs in aerial operations for invasive species management MODERATOR: Springer Kaye	
1:00 PM						254: The benefits of sUAS integration PRESENTER: James Parker
1:15 PM						423: Hey computer, find that plant! PRESENTER: Ryan Perroy
1:30 PM						582: Just add cameras: collecting useful high-resolution imagery during helicopter operations PRESENTERS: David Benitez, Timo Sullivan
1:45 PM						593: The View from Above: Aerial Approaches for Detection and Control of Ants, Plants, and Birds PRESENTER: Adam Knox
2:00 PM						574 Forum: At the Confluence of Invasives and Climate: Building a New Community of Practice PRESENTERS: Deanna Spooner, Heather Kerkering, Jeff Burgett, Joshua Atwood, Christy Martin
			380 FORUM: Scoping with SeaSketch: A Public Engagement Process for the Marine 30x30 Initiative PRESENTERS: Brian Neilson, Will McClintock			

3:15 - 3:30 PM >> FINAL CLOSING PROTOCOL - HAWAI‘I ALOHA

POSTERS

ROOM 212 >> MACHINE 4 is available for free browsing

MACHINE 1			MACHINE 2			MACHINE 3							
TUESDAY, July 9 th , 2019 >> Electronic Posters: Biosecurity and Resilience						Posters: Plants							
SESSION 1.A 1:00-1:30PM		701: Two Years Down, Eight to Go: Progress on Implementing the 2017-2027 Hawaii Interagency Biosecurity Plan PRESENTER: Joshua Atwood	794: Designating a State Snail for Hawai'i PRESENTER: Connor Kalahiki*		612: Current Status of Coqui Frog (<i>Eleutherodactylus coqui</i>) on Maui and an Overview of Approaches to Control PRESENTER: Abraham Vandenberg		SESSION 4.C 2:00-2:30PM		557: The Hawaiian Endemic 'Āla'a (Planchonella sandwicensis) Represents Two Distinct Taxonomic Entities PRESENTER: J. Christopher Havran	683: Overcoming Seed Dormancy in Propagation of Endangered Abutilon menziesii (Malvaceae) PRESENTER: Samantha Renee Faul*		496: Commonness and Rarity in Island Taxa: Examining Intraspecific Genetic and Ecological Differentiation of Kōpiko (<i>Psychotria marianiana</i>) PRESENTER: Tiffany Kho*	
SESSION 1.B 1:30-2:00PM		256: MarineGEO Hawaii Ola I Ke Kai: Results From The Comprehensive Bioassessment of Kaneohe Bay, 2017 PRESENTER: Claire VA Lager	459: Correlation of He'eia Fishpond plankton community abundance and distribution in response to environmental conditions PRESENTER: Noeau Makamae Machado		761: Understanding Trends of Non-Native Invasive Vegetation for the Kawaiinui Marsh Restoration Project PRESENTER: Darcy Kamalani Yogi*		SESSION 4.D 2:30-3:00PM		659: Increasing the resilience of Bonamia menziesii, a critically endangered and Hawaii-endemic member of the Convulvulaceae family PRESENTER: Rhian K Campbell	352: Growing Resilience Together: Restoring the Haleakalā silversword and building natural resources stewardship through partnerships with Maui schools PRESENTER: Stacey Kehaulani Torigoe, Michelle Osgood		336: The Seedling Skirmish: Native vs. Non-Native Plant Competition on Islands PRESENTER: Amanda E Wong*	
Posters: Rats, Mongoose, and Soils						Posters: Restoration Strategies and Tools							
SESSION 1.C 2:00-2:30PM		577: Hotspot distribution of black rats in a montane mesic forest PRESENTER: Kelly Ann Jaenecke	188: Does Predator-Proof Fencing Improve Fledging Success of the Hawaiian Stilt (<i>Himantopus mexicanus knudseni</i>)? PRESENTER: Dain Leroy Christensen*		795: Mongoose Population Assessment: Is there a breeding population on Kaua'i PRESENTER: Tiffani Keanini		SESSION 5.A 3:15-3:45PM		637: Āhua Reef Wetland Restoration PRESENTER: Noel Dunn, Corrina Carnes	821: Restoration strategies for out-planting at marginalized coastal leeward landscapes on Hawai'i Island PRESENTER: Mathew Dye*		505: What We Can Learn From Fish: Integrating Behavioral Ecology and Coral Reef Conservation PRESENTER: Margaret Malone*	
SESSION 1.D 2:30-3:00PM		681: Mapping Biological Soil Crusts with Small Unmanned Aerial Systems PRESENTER: Eszter Adany Collier*	784: Healthy Soils Hawai'i: Carbon Farming as a Tool of Resiliency PRESENTER: Stephanie Mock		91: Closing the Nutrient Loop: Methods to Regenerate Hawaiian Soils PRESENTER: Lucy Caine		SESSION 5.B 3:45-4:15PM		534: Urban 'Āina: Community Driven Indigenous Urban Design PRESENTER: Niegel Kuhinanui Rozet*	673: I Pa'a Hou i Kalou: Re-Mapping Historic Loko Wai and Lo'i Kalo of Waiale'e, O'ahu PRESENTER: Nick Kawelakai Farrant*		418: Creating innovative tools to support the community of stewards who care for our lands and waters PRESENTER: Rachel Dacks	
Posters: Birds						Posters: Marine							
SESSION 2.A 3:15-3:45PM		643: Development of optimal survey methods to provide reliable estimates of game bird populations on Hawai'i Island PRESENTER: Javier Cotin	767: Securing the future of endangered Akekee through translocation from Kauai to a higher elevation island PRESENTER: Lainie Berry		452: Tracking Hawai'i 'Amakihi (<i>Chlorodrepanis virens wilsoni</i>) in Nakula Natural Area Reserve on East Maui: home range estimation and evaluation of techniques for upcoming Kiwikiu (<i>Pseudonestor xanthophrys</i>) conservation translocation PRESENTER: Kristi Mieke Fukunaga		SESSION 5.C 4:15-4:45PM		41: Sampling, fast and slow: Examining tradeoffs in surveying low-density populations PRESENTER: Jake Ferguson	657: Of Mantas and Men: Understanding the Intersection of Hawai'i's Reef Manta Ray and Its Growing Tourism Industry PRESENTER: Kirsten V Moy		553: Using Automated Data Analysis to Monitor Whale Populations PRESENTER: Jennifer Dante Chinen	
SESSION 2.B 3:45-4:15PM		692: Manu o Kū of Diamond Head: Breeding Behavior of an Indigenous Seabird on the Kapi'olani Community College Campus PRESENTER: Nolan Black*, Wendy Kuntz, James Lee, Nolan Black, Giovanni Herrera	446: Prey Biomass and Availability as Factors Influencing the Distribution of Pueo PRESENTER: Laura Luther*		431: Hawaiian honeycreeper conservation in light of gut microbiota PRESENTER: Maria Sara Costantini*		SESSION 5.D 4:45-5:15PM		666: South Maui Coral Reef Cleanups: Saving One Polyp and Turtle at a Time PRESENTER: Cheryl King	677: Mapping Marine Debris using A.I. Machine Learning PRESENTER: Kirsten V Moy, Miguel Castrence		631: Investigating the Relationship between Microplastic Sinks and Sea Urchin Density on Kaua'i PRESENTER: Kai Mottley	
Posters: Birds and Habitat Management						THURSDAY, July 11 th , 2019 >> Posters: Land Management and Ungulates							
SESSION 2.C 4:15-4:45PM		229: Population status of the critically endangered Laysan duck at Midway Atoll National Wildlife Refuge PRESENTER: Kelly Goodale	223: The Impacts of Light Pollution and other Fallout Factors on Wedge-tailed Shearwaters ('Ua'u Kani): Examining Population Sources and Sinks for Targeted Management PRESENTER: Brooke Marilyn Friswold*		360: Ecological and Native Dryland Forest Restoration on the Island of Kaho'olawe PRESENTER: Courtney Kerr		SESSION 6.A 10:00-10:30AM		713: Do the remains remain? Small animal decay in the Alaka'i PRESENTER: Abigail Kreuser	570: 10 years of conservation in Upper Limahuli Preserve PRESENTER: Uma Nagendra			
SESSION 2.D 4:45-5:15PM		693: Grazing as a Tool to Reduce Wildfire Risk at Pu'u Wa'awa'a Forest Reserve PRESENTER: Tanya Harrison*	715: A software tool for producing annotations of prolonged audio recordings using machine learning and deep neural networks PRESENTER: Lindsey Howells, Madori Rumpungworn		516: Can Depredated Endangered Hawaiian Water Bird Carcasses Explain Behavioral Patterns of Introduced Predators? A Case Study on Hanalei National Wildlife Refuge (NWR), Kaua'i, Hawai'i PRESENTER: Bryden Accalia Baker		SESSION 6.B 10:30-11:00AM		354: Genetic ancestry of feral pigs on O'ahu PRESENTER: Tim Smyser	458: Coming in High and Hot: A novel appraoch to ungulate control utilizing UAS and thermal technologies PRESENTER: Caleb Wittenmyer		690: Using Avenza Maps App to Improve Invasive Species Management Outcomes PRESENTER: Daniel Andrew Duda	
WEDNESDAY, July 10 th , 2019 >> Electronic Posters: Corals and Aquatic Invasives						Posters: Dry Forests and Invasive Species Biosecurity							
SESSION 3.A 10:00-10:30AM			591: Management Implications of Submarine Groundwater Discharge on Coral Reef Metabolism in Maunalua Bay PRESENTER: Katia Alyssa Emi Chikasuye				SESSION 6.C 11:00-11:30AM		258: Enhancing Invasive Species Monitoring at Hawaii's Airports PRESENTER: Leyla Kaufman	580: In the Weeds: A New Rapid Assessment Tool for Watershed Management Areas Utilizing Stream Weed Surveys PRESENTER: Lucas Alan Behnke		490: Update on the Status of a Biological Control Agent Released for Strawberry Guava in Hawai'i PRESENTER: Tracy Johnson	
SESSION 3.B 10:30-11:00AM					479: Coral Reef Restoration Through Invasive Algae Management in Kāne'ohe Bay and the Waikiki MLCD PRESENTER: Wesley Dukes		SESSION 6.D 11:30AM-12:00PM		716: Precision agroforestry inventory monitoring in the Marshall Islands using small Unmanned Aircraft Systems PRESENTER: Jason Henson, Charlie Tommy, Ryan Perroy	596: Diverse Partners and Approaches Lead to Greater Resilience of Dry Forest Restoration Projects PRESENTER: Elliott Parsons		688: Restoration of Native Low Elevation Windward Dryland forest in Kalaupapa National Historical Park PRESENTER: Ryan Poland	
Posters: Corals and Aquatic Invasives						Posters: ROD Beetles, Capacity Building, and Networks							
SESSION 3.C 11:00-11:30AM		475: Combating the Ongoing Threat of Aquatic Alien Species Through Ballast Water and Biofouling Risk Analysis PRESENTER: Genevieve Marie Devine			511: Coping with the stress: physiological differences in reproduction of <i>M. flabellata</i> versus <i>M. capitata</i> PRESENTER: Emmett Michael Henley*		SESSION 7.A 1:00-1:30PM		608: Viability testing of ROD found on ambrosia beetles and their frass PRESENTER: Kelly Ann Jaenecke			467: The Hawai'i Law Fellows Program: Expanding Capacity for Environmental Resource Management PRESENTER: Andrew Nowell Porter, Denise Antolini, Kathryn Stanaway, Andrew Porter, Todd Tashima, Ian Garrod	
SESSION 3.D 11:30AM-12:00PM		549: Testing the protective effect of the juice of the Scaevola taccada on yeast against UV radiation PRESENTER: Keanu Rochette-Yu Tsuen*	498: Innovative Restoration Using Resilient Corals to Enhance Coastal Protection in Hawai'i PRESENTER: Kira Hughes*		609: Preserving Coral Reef Biodiversity Using Cryopreservation PRESENTER: Claire Lager		SESSION 7.B 1:30-2:00PM		85: Lawai'a Pono: Engaging Recreational Anglers in Sea Turtle Conservation and Evaluating Impacts PRESENTER: Kuulei Uluwehi Gunderson	449: Fishery Resilience through the eyes of Fishers PRESENTER: Edward L Kekoa Jr		579: Molecular markers for detecting ROD-associated ambrosia beetle species from frass PRESENTER: Kylie Alohilani Minei Roy	
Posters: Capacity Building and Trees						2:00-3:00PM >> OPEN FREE BROWSING TIME							
SESSION 4.A 1:00-1:30PM			676: Resilient Hawaiian Communities Initiative – He 'a'ali'i kū makani au PRESENTER: Deanna L. Spooner		67: Native Hawaiian ecological knowledge (NHEK) as a culturally- and place-based learning platform in Hawai'i's education system: a case study on the 2018 Nā Hopena A'o (HĀ) Summit PRESENTER: Leland Bishop Williams								
SESSION 4.B 1:30-2:00PM		194: Polynesian tree mapping and traditional agroforestry extent PRESENTER: Noa Lincoln	190: Can compost from a nitrogen-fixing tree, Falcataria moluccana, replace synthetic fertilizer and store carbon in agricultural systems? PRESENTER: Joanna Norton*		618: Shifting the Balance in a Lowland Mesic Forest on O'ahu: Maximizing the Native Acacia koa Seed Bank PRESENTER: Benjamin Earl Duncan								

