

ROOM 316

ROOM 315

ROOM 314

ROOM 312

8:00 AM	Opening Protocol, 3rd Floor Concourse	8:00 AM
8:45 AM	Opening Remarks, Room 316	8:45 AM
9:05 AM	Keynote Speaker: The Honorable Dr. Jane Lubchenco, Room 316	9:05 AM
9:35 AM	HCA Distinguished Service Award, Room 316	9:35 AM

SESSION 1 10 AM - 12 PM	FORUM Nā 'Āina Ho'oilina Exploring the Relationship Between the Ali'i Trusts of Hawai'i and the Lands Managed to Support their Missions MODERATOR Miliani Browning	SYMPOSIUM Differing Perspectives on the Effects of Human Interactions with Wild Hawaiian Spinner Dolphins, MODERATORS Laura McCue & Carlie Wiener	GENERAL SESSION Lessons from the Pacific Islands MODERATOR Manuel Mejia	SYMPOSIUM Navigating the Future: Impacts of Global Change and Management Implications MODERATOR Jeff Burgett	SESSION 1 10 AM - 12 PM
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10:00 AM	 KAMEHAMEHA SCHOOLS	Crossing the Blue Highway: Video Analysis of Dolphin Swim Participants Behavior During Wild Hawaiian Spinner Dolphin (<i>Stenella longirostris</i>) Tourism, Carlie Wiener* - An Operator Perspective on Wild Dolphin Swim Tourism in O'ahu, Lisa Dotty	Cultural Conservation of the National Marine Sanctuary of American Samoa, Genevieve Brighthouse	 Hawaiian Electric Company	10:00 AM
10:20 AM		Gathering Mana'o: Involving Native Hawaiian Community Members in the Spinner Dolphin Management Process, Jayne LeFors - Dolphin SMART in the Pacific Islands Region: Educating the Public About the Conservation of Wild Dolphins, Laura McCue	Enabling Community Action to Foster Climate Resiliency - Amouli Village, American Samoa, Arielle Levine & Fatima Sauafea-Leau	Climatic Changes and Their Effects on Rainfall in Hawai'i, Oliver Elison Timm	10:20 AM
10:40 AM		Responsible Marine Wildlife Viewing: Tailored and Unique Outreach Options for Driving Behavioral Change, Elia Herman - Discussion	The Establishment of a Bio-Cultural Education Center on Mo'orea, French Polynesia, Orlo Steele	Temporal and Spatial Patterns of Sea-Level Rise Impacts to Coastal Wetlands and Other Ecosystems, Haunani Kane	10:40 AM
11:00 AM	Neil Hannahs, Kamehameha Schools LeAnne Crabbe, The Queen Lili'uokalani Trust Eric Martinson, The Queen Emma Land Company Jobe Masagatani, The Department of Hawaiian Home Lands	SYMPOSIUM Feeding the Future: Harvesting the Potential for Responsible Aquaculture in Hawai'i and the Pacific Islands, MODERATOR Alan Everson	First Conservation Easement in Micronesia: Yela Forest Legacy Project as a Pioneer Under the Micronesian Challenge, Blair Charley & Kathleen Friday	A Hydrology Based Decision Support Tool for Tropical Watersheds, Richard MacKenzie	11:00 AM
11:20 AM		Marine Cage Culture and Environmental Interactions Monitoring and Modeling for Responsible Stewardship, James Morris - Open Ocean Mariculture as a Marine Conservation Imperative, Neil Sims	Changing Cultures: Lessons from Conservation Programs in Papua New Guinea, Jasmyn Lynch - SCUBA Divers' Environmental Perceptions, Preferences, and Willingness to Contribute to Conservation Actions in Guam, Shanna Grafeld*	Shifting Hawaiian Forest Bird Distribution under Climate Change and the Need to Consider Novel Conservation Strategies, Lucas Fortini	11:20 AM
11:40 AM		Potential for Bivalve Culture and Use of Ecological Services in Traditional Hawaiian Fishponds, Maria Haws - Ho'āla Loko I'a - Restoring Traditional Hawaiian Fishpond Systems, Michael Cain	Sustainable Ocean Management and the Human Element: Coral Reef Management on Ulithi Atoll, Yap State, FSM, Nicole Crane - Socio-Economic Analyses of Villages Under the Community Based Fisheries Management Program in American Samoa, Faleselau Tuilagi & Saumani faese Uikirifi	Discussion	11:40 AM

12:00 PM	Lunch	Lunchtime Brown Bag (See p. 24)	12:00 PM
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SESSION 2 1 PM - 3 PM	FORUM Perspectives on Hawai'i's Wildfire Problem - From Science and Management to Community Action MODERATOR Clay Trauernicht	SYMPOSIUM Coral Reefs of Maui Nui: Physical and Biologic Complexity and Connectivity MODERATOR Michael Field	GENERAL SESSION Bio-Cultural MODERATOR Kawika Winter	GENERAL SESSION Biosecurity MODERATOR Josh Atwood	SESSION 2 1 PM - 3 PM
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1:00 PM		The Coral Reefs of Maui Nui, Michael Field - Over a Decade of Change in Spatial Temporal Dynamics in Hawaiian Coral Reef Communities, Eric Brown	Perpetuating Traditional Conservation Through Blending Cultural Practice and Modern Science, Ku'ulei Keakealani & Hannah Springer	Re-Designing Predator Proof Fences for Hawai'i: Results of a Survey of Sanctuaries in New Zealand and Hawai'i, Lindsay Young	1:00 PM
1:20 PM		Response of Reef Corals to Extreme Turbidity on the South Moloka'i Reef Flat, Paul Jokiel - Putting Human Impacts on Fish Populations in Perspective: Spatial Variation on a Local Scale, Kelvin Gorospe	Aquaponic Versus Soil Cultivation of 'Auhuhu and 'Ōlena: Comparisons of Plant Growth and Nutrient Dynamics for Effective Propagation and Use, Leina'ala Bright & Danielle Hull	Effects of Non-native Ungulate Removal on Vegetation and Ecological Processes in Pacific Island Forests, Rebecca Cole	1:20 PM
1:40 PM		Lesson Learned from Maui's Algal Blooms in the Last Decade, Celia Smith & Meghan Dailer - Larval Dispersal on the Big Island: Connecting Reefs, Fish, and People, Mark Hixon	Using Botanical Footprints to Delineate Social-Ecological Zones Such as Sacred Forest on Kaua'i in the Pre-colonial Era, Kawika Winter	Zero Tolerance: The Kaua'i Watershed Alliance's East Alaka'i Protective Fence Project, Nicolai Barca & Lucas Behnke - A Glimpse at the Future of Pest Control in Upper Limahuli Valley, John-Carl Watson & Chiemi Nagle	1:40 PM

ROOM 316

ROOM 315

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ROOM 312

2:00 PM	<p>Clay Trauernicht, University of Hawai'i at Mānoa Rhonda Loh, National Park Service Creighton Litton, University of Hawai'i at Mānoa Andrew Beavers, Center for Environmental Management of Military Lands Wayne F. Ching, Division of Forestry & Wildlife Elizabeth Pickett, Hawai'i Wildfire Management Organization</p>	<p>Numerical Modeling of Coral Connectivity in the Maui Nui Complex of Hawai'i, Curt Storlazzi</p> <p>-</p> <p>Using Genetics to Infer Connectivity Among the Hawaiian Islands for the Rice Coral (<i>Montipora capitata</i>), Rob Toonen</p>	<p>The Laua'e Legacy: The Bi-cultural Approach was the Key to Unlocking the Mystery of the Laua'e Maoli (<i>Microsorium spectrum</i>) Fern, Puanani Anderson-Fung*</p>	<p>Pathway Analysis and Dissemination of New Insect Records in Hawai'i, Francis Howarth</p> <p>-</p> <p>Are We There Yet? Eradicating Little Fire Ants from Kaua'i, Michelle Montgomery & Casper Vanderwoude</p> <p>-</p> <p>Preventing the Entry and Spread of Invasive Species: A Regional Approach for Invasive Ants, Casper Vanderwoude & Phil Andreozzi</p>	2:00 PM
2:20 PM		<p>Population Connectivity Modeling in Hawai'i with a Focus on Maui Nui, Johanna Wren*</p> <p>-</p> <p>Future Coral Community Projections for the Hawaiian Islands: A Look at Maui Nui, Erik Franklin</p>	<p>Pilinakai: Conservation Through Relationships, Pelika Bertelmann</p>	<p>Costa Rican Caterpillars Show Promise as Candidates for Control of <i>Miconia calvescens</i>, Kenneth Puliafico</p>	2:20 PM
2:40 PM		<p>Diagnosing and Treating the Causes of Coral Reef Decline, Robert Richmond</p> <p>-</p> <p>Discussion</p>	<p>Nā Kilo 'Āina: A Digital Tool for Monitoring Natural-cultural Resources and Supporting Management Strategies, Strengthen Healthy, Balanced Communities in Hawai'i, Pelika Bertelmann</p>	<p>Saving Hala: Chasing Pandanus Scale in Native Habitats for Biological Control Agents, Mohsen Ramadan</p> <p>-</p> <p>An Urban Weed Programme with a Focus on Wild Ginger (<i>Hedychium gardnerianum</i>), Neil Gallagher</p>	2:40 PM

3:00 PM

Break

Break

3:00 PM

<p>SESSION 3 3:30 PM – 5:30 PM</p>	<p>FORUM Moon Phase Project: Braiding a Cord of Knowledge, MODERATORS Brenda Asuncion & La'akea Carvalho</p>	<p>SYMPOSIUM Coral Reefs of Maui Nui: 21st Century Threats and Potential Resilience MODERATOR Michael Field</p>	<p>WORKSHOP Nahululehiwakuipapa Workshop Series Trending Conservation: Building a Social Media Strategy that Informs and Activates MODERATOR Jennifer Barrett</p>	<p>SYMPOSIUM Navigating Change in Forest Bird Communities: The Rapid Decline of Kaua'i's Native Avifauna, MODERATORS Lisa Cali Crampton & Eben Paxton</p>	<p>SESSION 3 3:30 PM – 5:30 PM</p>
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3:30 PM	<p>Alizon Atkins, Hawai'i Community College, Lehua Lena Nurseries Eva Schemmel, University of Hawai'i at Mānoa Kalei Nu'uhiwa, Kaulana Mahina Mahinapoepoe Paishon Duarte, Hālaulū Kū Mana Charter School Pelika Bertelmann, Pilina Kai, Nā Maka o Papahānamokuākea Rick Barboza, Hui Kū Maoli Ola</p>	<p>Using the Principles of Resilience to Inform Management of West Maui Coral Reefs, Eric Conklin</p> <p>-</p> <p>Coral Disease as an Indicator of Reef Resilience in Maui Nui, Darla White</p>	<p>Learn how to develop an effective social media strategy and then help conduct a social media audit (think "secret shopper"). You'll help assess the effectiveness of selected Hawai'i conservation organizations' web + social media presence and brainstorm ideas for improvement. Bring your laptop, tablet, or smart phone.</p>	<p>Rapid Decline in Kaua'i's Native Forest Bird Community, Eben Paxton</p>	3:30 PM
3:50 PM		<p>Evaluation of the Nearshore Benthic Habitat and Marine Biota Adjacent to Kahului Commercial Harbor, Maui, Yuko Stender</p> <p>-</p> <p>The Kahekili Herbivore Fisheries Management Area: A New Approach to Control Invasive Algae on Maui's Coral Reefs, Russell Sparks</p>		<p>Changes in Kaua'i's Forest Bird Community, Kyle Pias</p>	3:50 PM
4:10 PM		<p>Characterization of "Dead Zones" and Associated Environmental Variables at Kahekili Beach Park in Ka'anapali, Maui, Megan Ross</p> <p>-</p> <p>Overview of Olowalu Reef - Its Composition, Unique Aspects and Importance for Maui Nui and All of Hawai'i, Pauline Fiene</p>		<p>Occupancy and Survival of the Critically Endangered, Highly Cryptic, Single Island Endemic, the Puaiohi, Lisa Cali Crampton</p>	4:10 PM
4:30 PM	<p>GENERAL SESSION A Fish Future MODERATOR Jack Kittinger</p>	<p>Human Threats to Maui's Manta Rays and the Olowalu Reef; Is Science Enough?, Mark Deakos</p> <p>-</p> <p>Cultural Science, Edwin "Eko" Lindsey</p>	<p>Occupancy and Habitat Use of the Endangered 'Akikiki and Akeke'e on Kaua'i Island, Lucas Behnke*</p>	4:30 PM	
4:50 PM	<p>Integrating Local Monitoring and Ecological Knowledge with a Novel Scientific Tool to Refine Traditional Community-Based Fishing Moon Calendars, Eva Schemmel*</p> <p>-</p> <p>Determining the Status of the <i>Parupeneus porphyreus</i> Fishery in the Main Hawaiian Islands, Martha Maciasz*</p>	<p>Community Managed Makai Area (CMMA) At Maunalei, Lana'i, Sol Kaho'ohalahala</p> <p>-</p> <p>Ola Nā Papa i Mālama 'la: A Practical Plan for the Technical and Cultural Restoration of Maui's Coral Reefs, Robin Newbold</p>		<p>Changing Climate and the Altitudinal Range of Avian Malaria on Kaua'i, Carter Atkinson</p>	4:50 PM
5:10 PM	<p>An Angler-Based Tagging Program for Bonefish (<i>Albula spp.</i>) in Hawai'i: Engaging Fishers in Science and Conservation, Kimberlee Harding & Keith Kamikawa</p>	<p>Understanding and Measuring Seafood Security in the Hawaiian Islands, Jason Chow</p> <p>-</p> <p>Barriers to Effective Fisheries Co-Management in Hawai'i and Opportunities for Robust Governance, Adam Ayers*</p>		<p>Discussion</p>	<p>Decision Making for Conservation of Two Endangered Kaua'i Passerines, John Vetter</p>

5:30 PM


Closing Protocol, Room 316

5:30 PM

6 - 8 PM

Opening Next Gen Reception at Waikiki Yacht Club

6 - 8 PM

	ROOM 316	ROOM 315	ROOM 314	ROOM 312	
8:45 AM	Daily Opening Protocol, Room 316				8:45 AM
9:00 AM	Keynote Speaker: Dr. Jon Osorio , Room 316				9:00 AM
9:30 AM	HCA Conservation Innovation Award, Room 316				9:30 AM
SESSION 4 10 AM - 12 PM	SYMPOSIUM Ocean Tipping Points in Hawaiian Coral Reefs: Developing Science to Support Marine Ecosystem-Based Management MODERATOR Jack Kittinger	GENERAL SESSION Species Recovery MODERATOR George Wallace  Hawaiian Electric Company	FORUM Bringing Agriculture and Conservation Initiatives, MODERATOR Duane Okamoto	WORKSHOP I Ka Wā Ma Mua Ka Wā Ma Hope - The Future is in the Past STEM STEWARDSHIP via the Lens of Voyaging, MODERATOR Amber Inwood	SESSION 4 10 AM - 12 PM
10:00 AM	Embedding the Science of Ocean Tipping Points in Coral Reef Conservation and Management, Jack Kittinger Identifying Multiple Regimes of Hawaiian Coral Reefs and Implications for Conservation, Mary Donovan*	Stretching the Boundaries: Long-Distance Translocation of Millerbirds Facilitates Endangered Species and Ecosystem Recovery, Sheldon Plentovich			10:00 AM
10:20 AM	People and Reefs: Cumulative Human Impact Mapping for Marine Ecosystems of Hawai'i, Joseph Lecky* Predictive Models and Trade-Off Analysis for Guiding Cost-Effective Land-Based Management Actions for Conserving Coral Reefs, Kirsten Oleson	Home-Range Patterns of Kiwikiu (<i>Pseudonestor xanthophrys</i>) and Maui 'Alauahio (<i>Paroreomyza montana</i>), Chris Warren		Amber Inwood , Bishop Museum Jenna Ishii , Polynesian Voyaging Society Moses Goods , Bishop Museum	10:20 AM
10:40 AM	Environmental Drivers and Local Human Impacts Shape Coral Reef Communities Across the Pacific, Jamison Gove Using Modeling Approaches to Understand and Respond to Land-Based Pollution Impacts on Coral Reefs, Kirsten Oleson Getting Stakeholders to the Table: The Collaborative 'Au'au Planning Initiative, Anne Walton	Native Hawaiian Forest Birds Using Non-Native Habitat on Maui, Peter Motyka*	David Morgan , Kualoa Ranch Stephanie Whalen , Hawai'i Agricultural Research Center Niklos Dudley , Hawai'i Agriculture Research Center Irene Sprecher , DLNR/Division of Forestry and Wildlife Steph Dunbar-Co , Kainalu Ranch		10:40 AM
11:00 AM	FORUM The Maui Nui Makai Area Learning Network Experience, MODERATORS Manuel Mejia, Emily Fieldng, & Roxie Sylva	Preliminary Molecular Phylogeny of the Endangered Hawaiian Leaf Mining Moth Genus <i>Philodoria</i> (Lepidoptera: Gracillariidae), Christopher Johns* Preliminary Identification of Protected Areas with High Diversity of Tetragnatha Spiders on Big Island and Maui Nui, Darko Cotoras*		GENERAL SESSION Invasive Plants MODERATOR Flint Hughes	11:00 AM
11:20 AM	Edwin Lindsey , Polanui Hiu Sol Kaho'ohalahala , Maunalei Ahupua'a Community Managed Makai Area Jay Carpio , Wailuku Ahupua'a Community Managed Makai Area Maile Carpio , Wailuku Ahupua'a Community Managed Makai Area	Inbreeding Depression Leads to Decline in a Majority of Captive-Bred Species in the Hawaiian Tree Snail Subfamily Achatinellinae, Michael Hadfield		Invasive Plants Mapping the Battlefields Before the War: Modeling and Understanding Invasion Potential of Hawaiian Weeds, Adam Radford	11:20 AM
11:40 AM	Manuel Mejia , The Nature Conservancy Emily Fielding , The Nature Conservancy Leimamo Lind-Strauss , Kipahulu Ohana Claudia Kalaola , Na Mamo O Mū'olea Robin Newbold , Maui Nui Marine Resource Council Legario Eharis , Na Mamo O Mū'olea	Propagating of Three Critically Endangered Fern Species of Kaua'i: <i>Asplenium diepallidum</i> , <i>Asplenium dielmannii</i> and <i>Asplenium diellacinatum</i> , Ruth Agurauja Navigating Restoration Tradeoffs: Long-Term Outcomes of Using Māmane (<i>Sophora chrysophylla</i>), Elizabeth August-Schmidt*	GENERAL SESSION Empowering Farmers for Conservation: Case Studies from California MODERATORS Melanie Cheng & Evan Wiig	Herbicide Use in Wainiha Valley, Kaua'i to Control Australian Tree Fern, <i>Cyathea cooperi</i> , Trae Menard	11:40 AM
12:00 PM	Lunch		Lunch		12:00 PM
SESSION 5 1 PM - 3 PM	FORUM Hui Mālama Loko I'a: A Growing Network for Fishpond Practitioners and Organizations Across Hawai'i, MODERATOR Brenda Asuncion	SYMPOSIUM Adapting to New Challenges: Innovative Science and Management Techniques for Emerging Issues in Marine and Coastal Ecosystems MODERATOR Anne Rosinski	FORUM Acacia Koa: Silviculture and Breeding for Effective Conservation and Restoration MODERATOR Faith Inman-Narahari	FORUM Nā Kia'i Kūmokuhāli'i: Forest Guardians Project Inspires Conservation Leaders in Hawai'i and Peru MODERATOR Colleen Cole	SESSION 5 1 PM - 3 PM
1:00 PM		Innovative Research in Hawaiian Estuaries to Improve Sustainable Fishing in Hawai'i, Kimberly Peyton What's a Polyp to Do? Hawai'i's First Coral Nursery Dedicated to Mitigation and Restoration, Dave Gulko		Lahela Camara , Three Mountain Alliance Emily Leucht , Three Mountain Alliance Colleen Cole , Three Mountain Alliance Robin Keith , San Diego Zoo Institute for Conservation Research Samantha Young , San Diego Zoo Institute for Conservation Research, Jill Korach , Project Dragonfly/Miami University Gustavo Florez , Sicán National Museum Tina Flower , Hulalalai Academy	1:00 PM
1:20 PM		Implementing Hawai'i's Rapid Response Contingency Plan: Strengthening Our Framework for Responding to Coral Disease, Bleaching, and Crown-Of-Thorns-Starfish Events, Anne Rosinski Japan Tsunami Marine Debris: A New Threat for Aquatic Invasive Species Management, Sonia Gorgula			1:20 PM


	ROOM 316	ROOM 315	ROOM 314	ROOM 312	
1:40 PM		Community Fisheries Enforcement Units - A New Model for Fisheries Management, Brooks Tamaye			1:40 PM
2:00 PM	<p>Walter Ritte, Hawaiian Learning Center Buddy Keala, Loko I'a Consulting Joylynn Paman, 'Ao'ao O Nā Loko I'a O Maui Kualana Kaho'ohalahala, Kūpa'a no Lāna'i Roxanne Stewart, Hale o Lono</p>	<p>What Do We Know And How is it Related? Organizing Data Based On a Ridge-To-Reef Concept, Glenn Higashi & Eko Lapp</p> <p>GENERAL SESSION For the People MODERATOR Elia Herman</p> <p>For the People Artisanal Fisher Perceptions Regarding the Sustainability of Bottom Long Line Use in Bejuco, Guanacaste, Pacific Coast, Costa Rica, Andy Bystrom*</p>	<p>Faith Inman-Narahari, University of Hawai'i at Mānoa and Tropical Hardwood Tree Improvement and Regeneration Center Charles Michler, Purdue University and Tropical Hardwood Tree Improvement and Regeneration Center Christian Giardina, USDA Forest Service, Institute of Pacific Islands Forestry Robert Hauff, DLNR/Division of Forestry and Wildlife Nicholas Koch, Forest Solutions, Inc. Thomas Baribault, Forest Solutions, Inc. Irene Sprecher, DLNR/Division of Forestry and Wildlife James B. Friday, University of Hawai'i at Mānoa Nicklos Dudley, Hawai'i Agriculture Research Center</p>	<p>FORUM The Marine Fellowship Program: Building Capacity for Conservation Success in Hawai'i MODERATOR Sean Marrs</p>	2:00 PM
2:20 PM		From Inspiration to Action: Using Social Marketing Approaches to Encourage Behavioral Change for Coral Reef Health in Saipan and Maui, Sheila Sarhangi		<p>Manuel Mejia, The Nature Conservancy Jean Tanimoto, NOAA Pacific Services Center Russell Animoto, The Nature Conservancy Brad Wong, Office of Hawaiian Affairs Leilani Warren, The Nature Conservancy Fellowship Program Brant Chillingworth, Ha'uoli Mau Loa Foundation</p>	2:20 PM
2:40 PM		Rivers of Resilience: Information Flow Within the Socio-Ecological Systems of Hawai'i, Nathan Albritton*			2:40 PM
3:00 PM		Break	Break	Break	3:00 PM
SESSION 6 3:30 PM - 5:30 PM	FORUM An Ocean of Partnerships: Regional and State Ocean Resources Management Planning and Collaboration, MODERATOR Kristina Kekuewa	GENERAL SESSION All Things Trees MODERATOR Christian Giardina	SYMPOSIUM Science, Conservation and Conflict: Efforts to Recover the Endangered Hawaiian Monk Seal MODERATOR Charles Littnan	FORUM Traditional Knowledge Systems and Climate Change Adaptation: An Essential Attribute of Indigenous Nationhood, MODERATOR Mervyn Tano	SESSION 6 3:30 PM - 5:30 PM
3:30 PM		Expressing the Benefits of Tree Improvement for Forest Restoration Through Innovations in Propagation and Silvicultural Management, Kyle Earnshaw	The Hawaiian Monk Seal: Status, Trends and Recovery Efforts, Tracy Wurth		3:30 PM
3:50 PM		Dynamics of a Koa Looper Moth (<i>Scotorythra paludicola</i>) Outbreak at Hakalau Forest National Wildlife Refuge, Robert Peck	Male Dominance and Aggression in the Endangered Hawaiian Monk Seal (<i>Monachus schauinslandi</i>), Thea Johanos	<p>Mervyn Tano, International Institute for Indigenous Resource Management Daniel Wildcat, Haskell Indian Nations University Charles Burrows, Ahahui Malama i ka Lokahi</p>	3:50 PM
4:10 PM		Response of Koa (<i>Acacia koa</i>) and Birds to an Outbreak of the Koa Looper Moth (<i>Scotorythra paludicola</i>) on Hawai'i Island, Paul Banko	State of Preparedness Efforts for Vaccination of Hawaiian Monk Seals (<i>Monachus schauinslandi</i>) Against Morbillivirus, Michelle Barbieri		4:10 PM
4:30 PM	<p>Leo Asuncion, State Office of Planning-DBEDT Takiora Ingram, Pacific Regional Ocean Partnership Maria Carnevale, Papahānaumokuākea Marine National Monument Sarah Pautzke, Pacific Islands Regional Planning Body Emma Anders, DLNR/Division of Aquatic Resources</p>	It's Raining Caterpillars! A Massive Koa Moth Outbreak on Hawai'i Island, William Haines	iSeals: Integrating Multiple Technologies to Understand the Foraging Behavior and Fisheries Impacts of Monk Seals in the Main Hawaiian Islands, Kenady Wilson*	FORUM Kū'ula: Intergrating Western and Indigenous Sciences in Hawai'i, MODERATORS Misake Takabayashi & Pelika Bertelmann	4:30 PM
4:50 PM		Assembly of Arthropod Communities in Hawai'i: Interactions and Response to Changes in Immigration Rate, Curtis Ewing	Promoting the Conservation of Hawaiian Monk Seals Through Scientific Collaboration and Outreach with Local Communities, Charles Littnan	<p>University of Hawai'i at Hilo Students: Emily Cadiz Maile Aiwohi James Akau Maury Gutteling Leina'ala Hall Daniel Jennings-Kam Cindy Among-Serrao Kahili Anderson 'Elika Jardin Lauren Kapono Kawika Aspili Cherie Kauahi Kanoë Steward Devon Aquiar Kailey Pascoe Kalani Quiocho Leilani Abaya Melissa Adams Louise Economy</p>	4:50 PM
5:10 PM		Archipelago-wide Demography of Hawai'i's Most Abundant, but Declining, Native Tree, <i>Metrosideros polymorpha</i> , Kasey Burton	Conservation Tools for Commercial Forestry in Hawai'i: What's Available and What's Needed, Paul Conry		Complexities of Conflict: Lessons from the Critically Endangered Hawaiian Monk Seal, Rachel Sprague
5:30 PM	Closing Protocol, Room 316				5:30 PM
5:30 - 6	2016 IUCN WCC Briefing, Room 314				6 - 8 PM
5:30 - 8	Poster Reception - Exhibits Open				6 - 8 PM

ROOM 316

ROOM 315

ROOM 314

ROOM 312

8:30 AM	Opening Protocol, Room 316				8:30 AM
8:35 AM	Plenary Panel: Navigating Change in the Pacific Islands: A Dialogue with Island Leaders on Climate Change, Room 316				8:50 AM
9:35 AM	HCA Outstanding Leadership Award, Room 316				9:40 AM
SESSION 7 10 AM - 12 PM	FORUM Sustainable Tourism Benefits Everyone - Overview of the Hawai'i Ecotourism Association's Sustainable Tourism Certification Program "Travel Pono", MODERATOR Aaron Lowe	GENERAL SESSION Marine Invasives MODERATOR Sonia Gorgula	SYMPOSIUM Ecosystem Service Modeling and Valuation to Support Ridge-to-Reef Management MODERATOR Kirsten Oleson	GENERAL SESSION Avian Disease MODERATOR Jim Jacobi	SESSION 7 10 AM - 12 PM
10:00 AM	Linda Cox , University of Hawai'i Aaron Lowe , DLNR/Division of Forestry and Wildlife Tim McKeague , Atlantis Adventures Annette Kaohelaulii , Annette's Adventures Liz Foote , Coral Reef Alliance	Experimental Removal of the Introduced Grouper, Roi (<i>Cephalopholis argus</i>) in Puako, Hawai'i: Methods for Assessing and Managing Marine Invasive Species, Jonathan Giddens*	Building an Ecosystem Service Tool to Support Ridge-to-Reef Management and Conservation in Hawai'i, Kirsten Oleson	Avian Malaria in Hawaiian Forest Birds: Infection and Population Impacts Across Species and Elevations, Michael Samuel	10:00 AM
10:20 AM		Marine Biosecurity in Hawai'i: Progress in Minimizing Further Arrivals of Aquatic Invasive Species, Sonia Gorgula	Modeling Coral Reef Ecosystem Goods and Services to Guide Management: A Case Study of Maui Nui, Jade Delevaux	The Effects of Climate Change on the Avian Malaria and Hawaiian Forest Birds, Wei Liao & Michael Samuel	10:20 AM
10:40 AM		Native Collector Sea Urchins: Not so Hāwa'e (Useless) After All, Grace Chon*	The Importance of Coral Reefs for Coastal Protection, Greg Guannel	The Perplexing Problem of Avian Pox in Hawaiian Forest Birds, Michael Samuel	10:40 AM
11:00 AM	FORUM Guns for Hire: Challenges and Benefits of Utilizing Contractors in Natural Resource Management MODERATORS Jason Sumiye & Alison Cohan	Native Collector Sea Urchins: Friend or Foe?, Laura Stanley*	Using ARIES to Map Ecosystem Service Flow for Coral Reef Conservation and Management, Kenneth Bagstad	Next-Generation Sequencing Reveals Major Histocompatibility Complex Class II Alleles Associated with Survival to Avian Malaria (<i>Plasmodium relictum</i>) in Hawaiian Honeycreepers, Susan Jarvi	11:00 AM
11:20 AM	Lisa Hadway , DLNR/Division of Forestry and Wildlife Namaka Whitehead , Kamehameha Schools Greg Czar , Feral Animal Removal Experts (F.A.R.E.) Luka Estes , Pono Pacific, LLC Trae Menard , The Nature Conservancy	Developing Removal Strategies to Control Invasive Algae in Kāne'ohe Bay, Dwayne Minton	Incorporating Ecosystem Services in Management and Planning: Experiences with InVEST, Greg Guannel	Acoustic Detections of Avian Power Line Collisions: A Novel Monitoring Solution for a Global Problem, Marc Travers	11:20 AM
11:40 AM		Discussion	Modeling to Connect Land Management to Hydrologic Ecosystem Services: Opportunities and Challenges, Kim Falinski & Hla Htun*	Discussion	11:40 AM
			Valuing Ecosystem Services Through the Eyes of the Beneficiaries, Gan Jin*		
12:00 PM	Pacific Islands Luncheon, HCAF hosted		Pacific Islands Luncheon, HCAF hosted		12:00 PM
SESSION 8 1 PM - 3 PM	SYMPOSIUM Cyberinfrastructure for Navigating Change in the Pacific, MODERATORS Kenneth Y. Kaneshiro & Michael H. Kido	GENERAL SESSION Corals Science and Management MODERATOR Jim Beets	FORUM Assessing Impacts of Watershed Projects on Reducing Sediment Erosion and Transport in West Maui - Lessons Learned and Future Directions MODERATOR Stephen Anthony	SYMPOSIUM 'Ōpe'ape'a: Conserving Hawai'i's Native Land Mammal Through Research, Restoration, and Adaptive Management MODERATOR Frank Bonaccorso	SESSION 8 1 PM - 3 PM
1:00 PM	Overview of the Research Cyberinfrastructure Core (RCC), Michael Kido	Understanding the Adaptive Ability of Lobe Corals, Kaho Tisthammer*	Stephen Anthony , U.S. Geological Survey Hudson Slay , U.S. Environmental Protection Agency Ron Rickman , U.S. Geological Survey Jonathan Stock , U.S. Geological Survey Andrew Hood , Sustainable Resources Group Intn'l Inc. Chris Brosius , West Maui Mountains Watershed Partnership	 Hawaiian Electric Company Reconstructing the Biogeographic History of the Hawaiian Hoary Bat, Amy Russell	1:00 PM
1:20 PM	Environmental Monitoring in Hawaiian Ahupua'a Using IntelSense-Based "Smart" Wireless Sensor Networks, Kevin Montgomery	Local or Exotic Cuisine? Quantifying Herbivory Pressure and Preference for Macroalgae, Scott Chulakota		Inter-Island Variation and Potential Geographic Structure in 'Ōpe'ape'a: Implications for Conservation Management in Hawai'i, Frank Bonaccorso	1:20 PM
1:40 PM	Effective Conservation Restoration in the Kawainui Marsh Wetlands (Windward O'ahu), Jason Misaki	Investigating Coral Reef Ecosystem Responses to Increasing Nutrients and Other Disturbances: Herbivore Control of Algal Overgrowth in Two Hawai'i Parks, Jim Beets		A Previously Undescribed Extinct Vespertilionine Bat from Hawai'i, Kevin Olival	1:40 PM
2:00 PM	A Community-Based Aedes Mosquito Study and Surveillance Program in Kona, Hawai'i Island, Sylvia Texeira	Context-Specific Effects of Disturbance on Coral Reef Communities in the Cook Islands: A Case Study, Rachel Morrison*		Winter Distribution and Use of High Elevation Caves by the Endangered Hawaiian Hoary Bat, <i>Lasiurus cinereus semotus</i> , Kristina Montoya-Aiona & Frank Bonaccorso	2:00 PM

ROOM 316

ROOM 315

ROOM 314

ROOM 312

2:20 PM	Building Community Capacity to Address Water and Land Management Challenges in Waipā Valley, Matt Rosener	Characterization of Mesophotic Benthic Communities in the Northwestern Hawaiian Islands, Daniel Wagner - Understanding the Impact of a Molasses Spill and Lessons to Prevent Future Damage, James Murphy*	Seasonal Occupancy in a New Mitigation Area for the Endangered Hawaiian Hoary Bat, Christopher Todd - The Restoration of an O'ahu Wetland for 'Ōpe'a'pea, Dave Johnston	2:20 PM
2:40 PM	Collaborate.org - A Worldwide Collaboration Geospatial Infrastructure, Kevin Montgomery	Population Structure of Spiny Lobsters in Hawai'i Following a Fishery Closure and the Implications for Contemporary Spatial Management, Matthew Lacchei - Promoting Indo-Pacific Coral Health and Building Capacity Through the Action Network for Coral Health and Resilience (ANCH&R), Courtney Couch	Using Multiple Approaches to Detect and Understand Bat Fatalities at Wind Turbines: A Case Study from North O'ahu, P. Marcos Gorresen - The Efficacy of Using Ultrasonic Acoustic Deterrents to Reduce Hawaiian Hoary Bat Fatalities at Wind Turbines, Cris Hein	2:40 PM


3:00 PM

Break

Break

3:00 PM

SESSION 9 3:15 PM – 5:15 PM	GENERAL SESSION Tech & Tools MODERATOR Regina Ostergaard-Klem	GENERAL SESSION Managing a Sea of Change MODERATOR Manuel Mejia	GENERAL SESSION Catalyzing Capacity for Conservation, MODERATOR Wendy Kuntz	GENERAL SESSION Our Changing Islands MODERATOR Jim Jacobi	SESSION 9 3:15 PM – 5:15 PM
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3:15 PM	Utilizing High-Tech Solutions to Monitor Fish and their Habitats, Jeff Anderson	 Hawaiian Electric Company	Engaging Students as Scientists in a Community Invasive Algae Removal Project, Wendy Kuntz & Students	Our Changing Islands: Building an Optimized Baseline Soil Carbon Map for the State of Hawai'i, Michelle Lazaro* - Seabird Contribution to Nutrient Deposition in Hawaiian Tropical Montane Ecosystems, Julia Rowe*	3:15 PM
3:35 PM	Using Song Meters to Monitor Endangered Seabirds on Kaua'i, Andre Raine	A Focus Area Approach to Habitat Conservation, Lani Watson	From the Classroom to Conservation: College Student Perspectives on Early Experiences in Sustaining, Preserving and Restoring Our Native Ecosystems, Wendy Kuntz	The Pacific Fire Exchange - Partnership Driven Contributions to Fire Management on Pacific Islands, Christian Giardina	3:35 PM
3:55 PM	Mapping and Monitoring with Unmanned Aerial Vehicles (UAVs), Miguel Castrence - Modeling Climate-Driven Changes to Dominant Vegetation in the Hawaiian Islands, Tamara Wond & Jonathan Price	Honohononui Coastal Resource Assessment: An Integrative Approach to Coastal Resource Management, Hōkū Pihana & V. Kalani Quioko	Building a New Generation of Young Leaders in the Western Pacific Islands, Lauren Wetzell	Baseline and Projected Future Carbon Storage and Flux in Terrestrial and Freshwater Aquatic Ecosystems of Hawai'i, Paul Selmants - Projecting Hawaiian Terrestrial Biome Shifts Under Climate Change, Lucas Fortini	3:55 PM
4:15 PM	GPI "Island Style": Introducing the Genuine Progress Indicator to Hawai'i, Regina Ostergaard-Klem & Kirsten Oleson	Using Plastic Inside Shearwaters to Monitor Marine Debris Around O'ahu, Shannon Lyday	Powerhouse Internship Programs: Building Local Leaders for Hawai'i's Sustainability Movement, Amy Brinker, Ella Aki, Nicole Fisher & Michel Arakaki		4:15 PM
4:35 PM	The O'ahu Greenprint: A New Set of Maps and Related Tools Available to Help Prioritize Conservation Opportunities, Laura Ka'akua & Kelley Hart	Market Prices of Coral Reef Fish - Undervaluing a Valuable Resource?, Manuel Mejia	Conducting Science in the Public Sphere: Educating National Park Visitors about Climate Change and its Effects on the Haleakalā 'Āhinahina, Jesse Felts		4:35 PM
4:55 PM	Transforming Statewide Watershed Reporting and Data Collection, Samuela Aruch	The Kaua'i Seabird Habitat Conservation Program: Adaptive Management for the Future, Paul Belson - Mauka to Makai: He'eia Estuary and the National Estuarine Research Reserve System, Rebecka Arbin			4:55 PM

5:15 PM

Closing Pau Hana Tastings & Drinks, HCA Student Awards, 3rd Floor Concourse

5:15 PM

6:30 PM

Closing Protocol, 3rd Floor Concourse

6:30 PM