

US CORAL REEF

TASK FORCE MEETING

Kā'anapali Maui • September 8-13, 2014



WELCOME TO KĀ`ANAPALI, MAUI!



WEST MAUI

West Maui was chosen as our meeting location for its national and local significance. The Hawai`i Coral Reef Strategy identified the coral reef ecosystem along the West Maui region as a priority management area. The US Coral Reef Task Force designated the West Maui Watershed as a priority partnership in the Pacific in 2011. The goal is to improve the overall health of coral reefs, nearshore waters and watersheds, from the summit of Pu`u Kukui to the outer reef, incorporating holistic resource management at the watershed or ahupua`a level. This goal is being addressed through actions from 10 partnership programs.

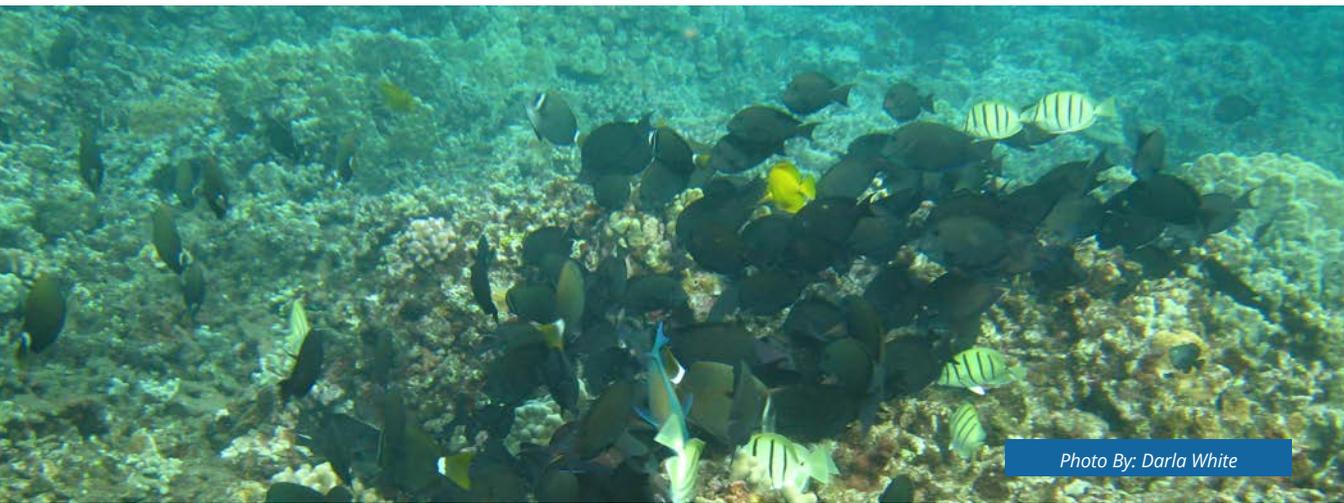


Photo By: Darla White

THE UNITED STATES CORAL REEF TASK FORCE

The United States Coral Reef Task Force (USCRTF) was established in 1998 by Presidential Executive Order to lead U.S. efforts to preserve and protect coral reef ecosystems. The USCRTF includes leaders of 12 Federal agencies, seven U.S. States, Territories, Commonwealths, and three Freely Associated States. The USCRTF members meet biannually to discuss key issues, propose new actions, present progress reports, and update the coral community on past accomplishments and future plans. The USCRTF helps build partnerships, strategies, and support for on-the-ground action to conserve coral reefs.

ALOHA

On behalf of Governor Neil Abercrombie, the Hawai`i Department of Land and Natural Resources and our local planning team, aloha, talofa, hafa adai, hola and welcome to the 32nd United States Coral Reef Task Force meeting in Kā`anapali, Maui. West Maui is known for its extensive coral reefs, rich agricultural history, and lush highland forests. It is also known for its passionate community, citizens who are committed to protecting and restoring their natural resources. The Kahekili Herbivore Fisheries Management Area (KHFMA), a marine managed area including about 1 mile of coastline in Kā`anapali, is the first of its kind in the State—by protecting herbivores, the FMA controls alien and native algae that threaten the balance of the ecosystem. Additionally, the Wahikuli and Honokōwai watersheds of West Maui are recognized in Resolution 28.1 of the US Coral Reef Task Force, in which member agencies committed to providing direct and indirect support for collaborative site-based work to address land-based threats to coral reefs.

Since the establishment of the US Coral Reef Task Force over 15 years ago, our collective understanding of the importance and vulnerability of coral ecosystems has grown immensely. In Hawai`i, our ocean is our icebox, an irreplaceable source of food as well as an integral component of our economy, culture, and way of life. The same is true of other coral reef communities across our nation and the world. It is the reason we must work together to address the 21st century threats to coral reefs, so many of which are driven by human activity.

As we address these increasingly more complex and urgent threats, we are fortunate to be in a position to draw from the best of current science and thousands of years of traditional knowledge and practice. During this year's meeting, workshops will tackle local issues, such as sediment run-off and coral and fish disease as well as global challenges, such as ocean acidification. Site visits will highlight restoration spearheaded by communities and large-scale watershed work enabled through partnerships. We are especially honored to have five community leaders from around the state join us as panelists during the Business Meeting to share their on-the-ground experiences managing coral reef resources.

We are so grateful to our partners from the West Maui community, federal, state, and county agencies, academia, and non-governmental organizations who support and implement coral reef management and who have contributed immensely to this week's events. This meeting reflects the value of collaboration and partnership in resource management and will provide the opportunity for each of us to share experiences and strengthen relationships. Mahalo for participating in this Task Force meeting, sharing your knowledge and time, and for your ongoing commitment to implementing the place-based actions we need to ensure the long-term health of our coral reef ecosystems and our communities.



EMMA ANDERS

HAWAI`I POINT OF CONTACT FOR THE US CORAL REEF TASK FORCE

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Photo By: Derek Smith

**CHECK OUT THE MEETING WEBSITE:
WWW.USCRTF2014.WEEBLY.COM**



THE SITE HAS RELEVANT MEETING INFORMATION INCLUDING:

- LATEST UPDATES ABOUT THE SEPTEMBER 2014 MEETING
- INFORMATIONAL VIDEOS
- FORMS AND DOCUMENTS
- MEETING AND WORKSHOP INFORMATION

WORKING TO PRESERVE AND PROTECT CORAL REEF ECOSYSTEMS



Highlights from coral reefs of the U.S. jurisdictions: Clockwise from top left, CNMI (credit: F. Castro, CNMI BECQ), U.S. Virgin Islands (credit: C. Rogers, USGS), America Samoa (credit: J. Martinez, NOAA HIHWNMS, Puerto Rico (credit: Puerto Rico DNER)

Task Force Members:

Co-Chairs

U.S. Department of Commerce, NOAA
U.S. Department of the Interior

Federal Agency Members

U.S. Agency for International Development (USAID)
U.S. Department of Agriculture (USDA)
Department of Defense (DoD)
U.S. Coast Guard
U.S. Department of Justice
U.S. Department of State (DOS)
U.S. Department of Transportation (DOT)
U.S. Environmental Protection Agency (EPA)
National Aeronautic and Space Administration (NASA)
National Science Foundation (NSF)

State and Territory Members

Commonwealth of the Northern
Mariana Islands (CNMI)
Commonwealth of Puerto Rico
State of Florida
State of Hawai`i
Territory of Guam
Territory of American Samoa
Territory of the U.S. Virgin Islands (USVI)

Freely Associated States

Federated States of Micronesia
Republic of the Marshall Islands
Republic of Palau

U.S. ALL ISLANDS CORAL REEF COMMITTEE (AIC)

A UNIFIED VOICE FOR THE EFFECTIVE MANAGEMENT OF CORAL REEF ECOSYSTEMS IN THE U.S. AND FREELY ASSOCIATED STATES.



Photo By: J. Martinez

AIC VISION:

Thriving coral reef ecosystems, effectively managed to protect their cultural, environmental, and economic value for future generations.

AIC MISSION:

To be a unified voice for the effective management of coral reef ecosystems in the U.S. and Freely Associated States.

ABOUT THE AIC

Formed in 1996, the U.S. All Islands Coral Reef Committee (AIC) represents the combined voice of the coral reef jurisdictions of the U.S. and Freely Associated States. The AIC helps elevate and highlight jurisdictional priorities to the U.S. Coral Reef Task Force and in the federal process to conserve coral reefs. The Committee operates on a consensus-based process, thus AIC priorities reflect the issues of great concern and value across all seven U.S. coral reef jurisdictions.

AIC members are Governor-appointed coral reef points of contact from: American Samoa, Commonwealth of the Northern Mariana Islands, Florida, Guam, Hawai'i, Puerto Rico, and the U.S. Virgin Islands.

Affiliate AIC members include: Federated States of Micronesia, Republic of the Marshall Islands, and Republic of Palau.

For more information:

Visit allislandscommittee.org

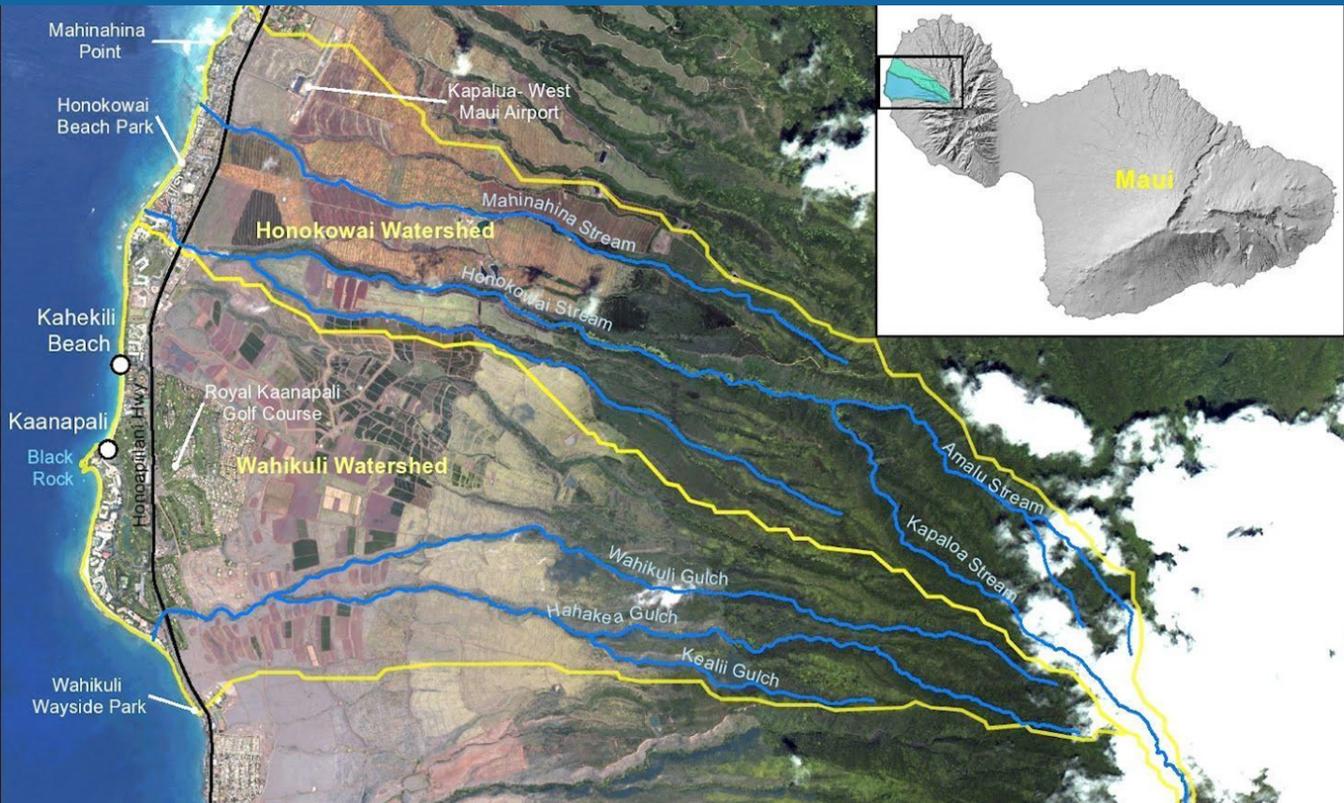
Find us on at www.facebook.com/AllIslandsCommittee

Check out our AIC Blog at allislandscommittee.wordpress.com

Or contact us at allislandscoral@gmail.com



THE WAHIKULI-HONOKŌWAI WATERSHEDS IN WEST MAUI, HAWAII



WWW.WESTMAUIR2R.COM

In 2009, the Hawai'i Department of Land and Natural Resources (DLNR), Division of Aquatic Resources (DAR) established the Kahekili Herbivore Fisheries Management Area (KHFMA) to control the overabundance of alien and native algae by increasing the abundance of herbivorous fishes and sea urchins. In February, 2011 the U.S. Coral Reef Task Force (USCRTF) designated the Wahikuli - Honokōwai watersheds of West Maui as a priority watershed partnership area. The designation built upon established efforts underway and leveraged resources across a number of agencies and community groups to implement actions to reduce one of the key sources of coral reef decline - land-based sources of pollution.

In 2012, a comprehensive reef health effort known as the West Maui Ridge to Reef (R2R) Initiative was formalized by partners from the DLNR, the U.S. Army Corps of Engineers (USACE), National Oceanic and Atmospheric Administration (NOAA), the U.S. Department of Agriculture – Natural Resources Conservation Service (NRCS), the Department of Health (DOH), the U.S. Environmental Protection Agency (EPA), and the National Fish and Wildlife Foundation (NFWF). The R2R is a highly collaborative effort; agency partners provide leadership and funding, the local R2R Working Group provides advice, and partners in the R2R Hui assist with the implementation of a suite of integrated activities to improve the health of West Maui's reefs.



AREA HISTORY

This coastal area is also known as Keka'a and historically had abundant fishing grounds and lowland crops of taro and sweet potato. In more recent history, over 10,000 acres were cultivated for commercial production of sugar cane and pineapple. Due to the declining demand for sugar cane and pineapple from the Hawaiian Islands and the growing tourism industry in the late 1950s, agricultural lands have transitioned to resort and commercial development. Future plans for this area include extensive development including additional resorts, golf courses, residential communities, parks, and schools on former agricultural land.

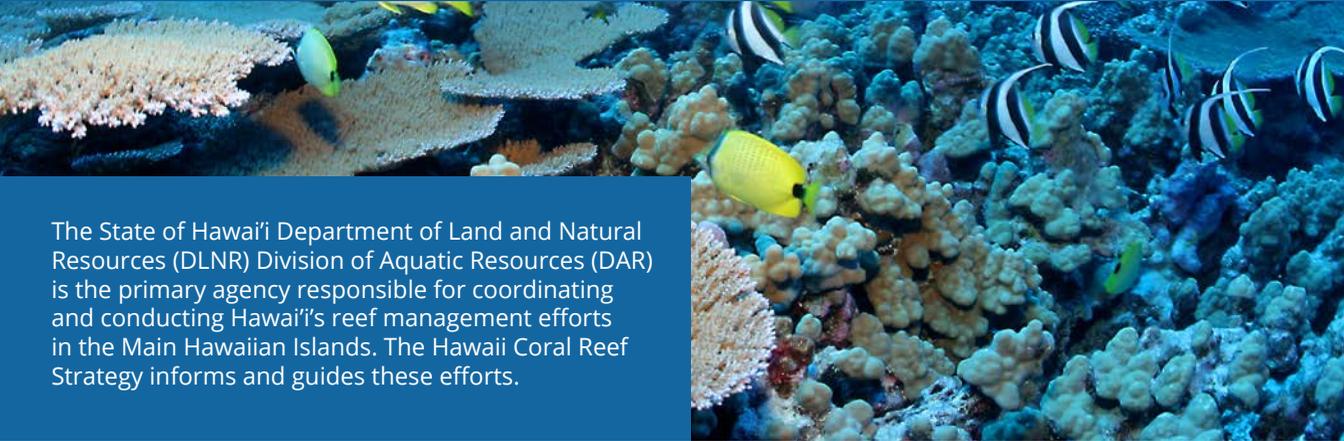
THREATS TO THE CORAL REEF

Managers and scientists have identified several threats to the coral reef ecosystem within the West Maui priority site. The top threats are land-based pollutants such as sediment, nutrients and other contaminants, and resource extraction. From 1994 to 2005, live coral cover in the area dropped from 55% to 30%. This sharp decline appeared to be driven by a combination of over harvest of herbivorous fish and increase in nutrient input, motivating managers to address both threats.

PROGRESS AND OUTLOOK

Since the establishment of the KHfMA, the priority watershed designation by the USCRF, and the start of the R2R Initiative, there have been some signs of improvement in the coral reefs of West Maui. Watershed management projects being implemented include: planting rain gardens, reducing farm road erosion, reducing landscaping impacts from resorts and engaging the local community in actions to improve ocean health. Monitoring data shows an increase in crustose coralline algae (CCA), improvements in coral cover, increases in biomass of herbivorous fish, and increase in average size of parrotfish. The recent upturn may be an early sign that protection of herbivores is leading to improved conditions for coral growth and survival in this area. However, it is important to recognize that the full effects of all conservation efforts on fishes and benthic conditions will only become clear over time and continued hard work.

HAWAII CORAL PROGRAM UPDATES AUGUST 2014 U.S. CORAL REEF TASK FORCE, MAUI



The State of Hawai'i Department of Land and Natural Resources (DLNR) Division of Aquatic Resources (DAR) is the primary agency responsible for coordinating and conducting Hawai'i's reef management efforts in the Main Hawaiian Islands. The Hawaii Coral Reef Strategy informs and guides these efforts.

HAWAII CORAL REEF STRATEGY GOALS

- Coral reefs undamaged by pollution, invasive species, marine construction, and marine debris
- Productive and sustainable coral reef fisheries and habitat
- Coral reef ecosystems resilient to climate change, invasive species and marine disease
- Increased public stewardship of coral reef ecosystems

2014 HIGHLIGHTED PROJECTS:

SOUTH KOHALA PRIORITY SITE PROJECT IMPLEMENTATION:

- The Puakō coral reef health assessment is investigating nutrient inputs to coral health
- A stream corridor assessment of the Wai'ula'ula Watershed identified erosion hotspots and will include an erosion monitoring program
- A coral settlement study compiled data on the biology of Pelekane Bay including coral growth rates, coral mortality, distribution of fishes, and impact of sedimentation on coral recruitment

KĀ'ANAPALI PRIORITY SITE PROJECT IMPLEMENTATION:

- A benthic habitat map of the Wahikuli-Honokōwai nearshore waters was completed by the US Geological Survey (USGS) and DLNR-DAR
- New rain gardens are being installed to catch and treat land-based pollution and runoff
- The West Maui Kumuwai social marking campaign has been successfully engaging the Maui community in actions for ocean health

ADDITIONAL PROJECTS:

- Statewide coordination of the Makai Watch program to involve communities in resource management
- Implementation of the State's Rapid Response Contingency Plan (RRCP) for damaging coral reef events
- Legal analysis and support for key marine resource projects through the Marine Law Fellow
- Completion of reef fish biomass meta-analysis

MAHALO NUI LOA
TO ALL THOSE WHO MADE THE FALL 2014 USCRTF MEETING POSSIBLE

MEETING MANAGEMENT TEAM (HAWAI'I DIVISION OF AQUATIC RESOURCES):
EMMA ANDERS, AUSTIN SHELTON, ANNE ROSINSKI

We would like to especially thank the 2014 US Coral Reef Task Force Meeting Planning Team Members for their time and participation:

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Brad Stubbs (TNC)	Luna Kekoa (DOCARE)
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Curt Storlazzi (USGS)	Manuel Mejia (TNC)
Darla White (DAR)	Maria Carnevale (DLNR)
David Swatland (NOAA)	Maya Walton (NOAA)
Ekolu Lindsey (Maui Cultural Lands)	Pamela Fujii (HCRI)
Elia Herman (DLNR)	Paulo Maurin (NOAA)
Emily Fielding (TNC)	Risa Minato (HCRI)
Hokuala Johnson (NOAA)	Robert Parsons (County of Maui)
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Karen Koltes (DOI)	Susan Baker (DAR)
Kim Hum (TNC)	Susan Richey (DLNR)
Kirsten Fujitani (TNC)	Tegan Hammond (MNMRC)
Kristine Davidson (HCRI)	Tova Callender (WMR2R)
Liz Foote (CORAL)	Wendy Wiltse (EPA)

A special thank you to Dan Dennison (DLNR) for his communications and video contributions, Stephanie Zrelak (The Westin Maui) and Sue Stisher (Maui Ocean Center) for their help with venue logistics, and Nicholas Jones (HCRI) for the graphic design of this booklet.

FOR QUESTIONS AND MORE INFORMATION ABOUT THIS MEETING YOU MAY CONTACT:

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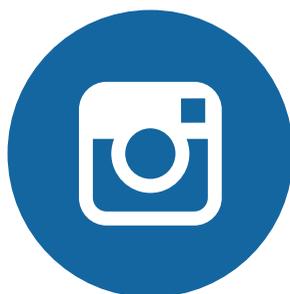
SHANNON SIMPSON

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WE'RE GOING SOCIAL!

#USCRTF14

THIS YEAR'S USCRTF MEETING IS INTEGRATING AND PROMOTING THE USE OF SOCIAL MEDIA – JOIN IN THE CONVERSATION!



Bruce The Shark!

**USE #USCRTF14 (ALL PLATFORMS)
FOLLOW @USCRTF14 (TWITTER & INSTAGRAM)**

HELP US SHARE THE MEETING'S OUTCOMES WITH THE BROADER PUBLIC AND YOUR COLLEAGUES AROUND THE WORLD, AND MAKE THE MEETING EVEN MORE MEANINGFUL!

WHAT TO SHARE:

- Take-home messages from the public presentations
- Photos from presentations & field excursions
- Links to online content
- Join in conversations with colleagues and the public – ask questions and promote further engagement!

KEY GUIDELINES:

- When in doubt, ask before sharing content.
- Keep it positive and professional; remember it's a worldwide audience!
- Each individual is solely responsible for what they post online

NEW TO SOCIAL MEDIA AND NEED HELP?

Conference organizers are here to assist you! Guidance will be provided during registration and check in Monday through Wednesday – just ask!

PRIZE GIVEAWAY!

We'll be holding a random drawing every day – those who post photos of “Bruce the Shark” using the hashtag #USCRTF14 on Twitter and/or Instagram will be entered to win!

GREEN MEETING STATEMENT

THE 32ND U.S. CORAL REEF TASK FORCE MEETING IS A GREEN EVENT. EFFORTS ARE IN PLACE TO REDUCE THE OVERALL FOOTPRINT AND TO PROTECT HUMAN AND ENVIRONMENTAL HEALTH.

Green efforts include booklets printed on 100% recycled paper, minimizing waste wherever possible, making energy conscious choices, and reducing greenhouse gas emissions.

There will be an option to purchase carbon offsets for your air travel during the meeting. We are excited to announce we have teamed up with local non-profits to plant native trees to offset carbon emitted from transportation to and from the meeting.



Photo Credit: EPA

PERSONAL RESPONSIBILITIES TO REDUCE YOUR IMPACT

- *Bring your own reusable, BPA-free water bottle and/or coffee cup*
- *Bring a reusable shopping bag (single-use plastic bags have been banned by Maui County)*
- *Keep it short - conserve water when showering and brushing teeth*
- *When you leave your room, please turn off or unplug electric devices including air-conditioning, television, laptops, and lights*
- *\$5 food and beverage voucher: decline housekeeping services for your room at The Westin Maui as part of the Make A Green Choice Program*
- *Use recycling receptacles provided throughout The Westin Maui*

FALL 2014 U.S. CORAL REEF TASK FORCE MEETING SCHEDULE OVERVIEW

Non-USCRTF Meetings

USCRTF Meetings

Site Visits

Evening Events

SATURDAY (9/6)

9AM-5PM

All Islands Coral Reef Committee Strategic Planning Retreat Meeting
AIC Members Only
Room: Humpback

SUNDAY (9/7)

7AM-4PM

All Islands Coral Reef Committee Planning Retreat Site Visit
AIC Members Only

MONDAY (9/8)

8AM-12PM

All Islands Coral Reef Committee Meeting
AIC Members and Invited Guests Only 9am-1pm
Room: Carthaginian/Pequod

Priority Watershed Metrics Subcommittee Meeting
Subcommittee members only
Room: Nantucket

12PM - 1PM

Lunch On Own

1PM - 5PM

AIC Executive Session
AIC Members Only
Room: Carthaginian/Pequod

Federal Staff Meeting USCRTF
Federal POCs and other Federal Staff Only
Room: Humpback

TUESDAY (9/9)

8AM-12PM

Managing Construction
Stormwater Impacts: A Mini-
Training Public.
Pre-Registrants only
8:30am-12:00pm
Room: Aloha Boardroom

Strategic Communications for
Marine Conservation Workshop
Pre-Registrants Only
Room: Carthaginian/Pequod

Herbivore Grazing Survey Reef Site
Visit Pre-Registrants Only

12PM - 1PM

Lunch On Own

1PM - 5PM

Coral Reef Injury Response and
Mitigation Working Group Meeting
Pre-Registrants Only
Room: Humpback

Reef Response Learning
Exchange Pre-Registrants Only
Room: Pequod

Maui Cultural Lands Site Visit
Pre-Registrants Only

5PM - 8:30PM

USCRTF Education and Outreach Working Group Evening Presentation
Location: Hawaiian Islands Humpback Whale National Marine Sanctuary Visitor Center
Pre-Registration Required
Buses Depart Westin at 5:20pm

WEDNESDAY (9/10)

8AM-12PM

Steering Committee Meeting
Steering Committee Members and Relevant
Staff Only Room: Aloha Boardroom

12PM - 1PM

Lunch On Own

1PM - 5PM

Ocean Acidification Panel and Workshop
Pre-Registrants Only
Room: Carthaginian/Pequod

Capacity Assessment Meeting
USCRTF Members and Staff Only
Room: Wilcox

5:30PM - 8:00PM

Return to Abundance Reception at Maui Ocean Center
Invitation Event Only Due to Limited Space
Buses Depart Westin at 5:20pm

THURSDAY (9/11)

8AM-12PM

Business Meeting
Public
Room: Haleakala Ballroom

12PM - 1PM

Executive Session
Invite only
Room: Wilcox/Nantucket/Carthaginan

Lunch On Own

1PM-5PM

Business Meeting (Continued)
Public
Room: Haleakala Ballroom

5:30PM-7:45PM

Maui Community Reception
Invitation only event due to limited space
Bus Departs Westin at 5:20pm

FRIDAY (9/12)

8AM-12PM

NOAA Coral Reef Conservation Program-All Islands
Coral Reef Committee Meeting
AIC Members and CRCP Staff Only 8:30-10:30
Room: Pioneer/Wilcox

Science Tour of the Past, Present, and Hopefully
Future of Maui's Coral Reefs
7:30am-12pm
Pre-Registrants Only

12PM - 1PM

All Islands Coral Reef Committee Debrief Meeting
AIC Members Only 11am-1pm
Room: Humpback

Lunch On Own

1PM - 5PM

West Maui Watershed Perspectives, Projects & Possibilities Site Visit
Pre-Registrants Only

SATURDAY (9/13)

8AM-12PM

Blue Aina Reef Clean-up Site Visit
Pre-Registrants Only

WORKSHOPS AND TRAININGS



Photo By: Liz Foote

Event: Managing Construction Stormwater Impacts: A Mini Training **Tuesday, September 9th 8:30am-12:00pm** **Room: Aloha Boardroom**

This workshop will highlight the vulnerability of coral reefs to stormwater runoff, outline the extent of future development anticipated in West Maui, and offer stormwater management solutions to reduce the impacts of current and future development. Perspectives of Hawaii stormwater management and regulatory programs will be provided by the Hawaii Department of Health-Clean Water Branch, Maui County, a local developer as well as the Hawaii Department of Transportation. The focus of these perspectives will be on effective and transferable management approaches. This workshop will address several issues specific to Hawaii and Maui but it will also have broader applicability to all coral jurisdictions.

PRE-REGISTRATION REQUIRED

Event: Strategic Communications for Marine Conservation Workshop **Tuesday, September 9th 8:00am-12:00pm** **Room: Carthaginian/Pequod**

This workshop is aimed at helping marine conservation professionals approach their outreach work strategically. The training will introduce participants to key components of strategic communications and select communications tools– including social marketing– that can be practically applied to meet their conservation needs. It will also provide an opportunity for participants to practice identifying when these strategies should be used.

PRE-REGISTRATION REQUIRED

WORKSHOPS AND TRAININGS



Event: Reef Response Learning Exchange
Tuesday September 9th 1:00pm-5:00pm
Room: Pequod

Coral diseases, bleaching, Crown-Of-Thorns-Starfish (COTS), Aquatic Invasive Species (AIS), and mass marine life mortalities are a serious threat to coral reef ecosystems. In US jurisdictions, scientists have observed several events recently including coral disease outbreaks in Hawaii, a COTS outbreak in American Samoa, and an extreme coral bleaching event in Guam. There is relatively little known about these coral reef events and even less known about how to mitigate or manage their impact. A learning exchange is needed to help managers identify effective strategies to respond to these complex, unpredictable events and facilitate the reefs' recovery.

PRE-REGISTRATION REQUIRED

Event: Ocean Acidification Panel and Workshop
Wednesday September 10th 1:00pm-5:00pm
Room: Carthaginian/Pequod

There will be a lively panel discussion and workshop on ocean acidification, one of the biggest threats to corals and other marine organisms. The panel, in conversational format, will highlight the impact of ocean acidification on corals, what we've been learning about it, what's being done to address it, and what more we could be doing. The panel will include people with a diverse set of expertise, including representatives from EPA and NOAA, the University of Hawaii, and NGOs. The panel will be followed by a workshop to solicit input on what more can be done to address ocean acidification.

PRE-REGISTRATION REQUIRED

SITE VISITS



Photo By: Manuel Mejia

HERBIVORE GRAZING SURVEY REEF SITE VISIT HOSTED BY USCRTF EDUCATION AND OUTREACH WORKING GROUP

Tuesday, September 9th 9:00am-12:00pm

Kahekili Beach Park

Transportation: Vans depart from Westin Group Entrance promptly at 9:00am

Herbivores are an extremely important ecological group in coral reef ecosystems. They control algal overgrowth that stresses coral colonies in various ways. Overfishing has greatly diminished the size, diversity and quantity of reef fish and shellfish populations worldwide, including in our Hawaiian reefs. Join us on a Herbivore Grazer Reef Survey organized by the Education and Outreach Working Group of the Coral Reef Task Force. Come and learn about the dominant herbivore species at Kahekili Reef and at the same time contribute on surveying the area as part of the monitoring

Participant requirements: Previous snorkeling experience and comfortable in the water is a MUST. Also, participants must bring their own sunscreen, towels, snacks and water. Bring your own snorkeling gear, if you have it. If not, participants will need to make their own arrangements for their gear beforehand.

Pre-registration required

MAUI CULTURAL LANDS SITE VISIT

Tuesday, September 9th 1:00pm-5:00pm

Maui Cultural Lands

Transportation: Vans depart from Westin Group Entrance promptly at 1:00pm

Participants will enter into an educational cultural experience in an ancient agricultural village dating back to 1200AD. They will learn about the history of the area, cultural values, Hawaiian medicinal remedies, and Hawaiian Plants. Participants will help restore the human relationship with the land through activities such as removing invasive grasses and planting native plants.

Participant Requirements: Participants should bring sturdy shoes, outdoor work clothes (jeans and long sleeve shirt preferred), hat, water, snack/lunch, sun protection, bug spray, gardening gloves

PRE-REGISTRATION REQUIRED

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SITE VISITS



Photo By: Derek Smith

SCIENCE TOUR OF THE PAST, PRESENT, AND HOPEFULLY FUTURE OF MAUI'S CORAL REEFS SPONSORED BY



Friday, September 12th 7:30am-12:00pm

Transportation: Mini-buses depart from Westin Group Entrance promptly at 7:30am

Federal, state, academic, and NGO scientists will provide an overview of how integrated science has identified the sources of land-based pollution, ranging from over a century of pineapple farming to waste-water injection well effluence, emanating from the USCRF west Maui priority watersheds and their resulting impact on the adjacent fringing coral reefs. We will discuss how recent management efforts have begun to mitigate the impacts and show the participants examples of what used to be there and what we hope will be there again in the future - healthy Hawaiian fringing coral reefs, which is the overall goal of our efforts.

Participants Instructions: This event will be outside and on the beach and in the water. Participants should bring snorkel gear, sun protection, bathing suits, camera, water, snacks, and a towel. We will be providing an overview of the issues and science at each site, followed by a snorkel tour of the reefs. Snorkel gear will be available to rent, if needed. The participants need to have snorkeling experience and be comfortable in the water.

PRE-REGISTRATION REQUIRED

SITE VISITS

WEST MAUI WATERSHED PERSPECTIVES, PROJECTS & POSSIBILITIES SITE VISIT HOSTED BY THE USCRTF WATERSHED WORKING GROUP. SPONSORED BY



Friday, September 12th 1:00pm-5:00pm

Transportation: Mini-buses depart from Westin Group Entrance promptly at 1:00pm

Description: Gain a perspective on the dynamics and issues affecting West Maui's watersheds from the conservation lands topping the mountains that act as the sponge for the community water supply, to the transitional post-plantation era agricultural land, to urban district LIDs. Visit highlights from across the landscape and meet local managers working to implement public, private and community projects to address land based sources of pollution in this area.

Participants should bring: walking shoes and clothes that can get dirty, sun protection, light rain gear, water & snacks, camera

Please expect: short amount of walking in potentially wet/muddy/dusty settings, slight elevation gain, while hiking, need to board and exiting vans several times.

PRE-REGISTRATION REQUIRED

BLUE AINA REEF CLEANUP TO BENEFIT THE WEST MAUI KUMUWAI CAMPAIGN



Saturday, September 13th 9:00am-12:00pm

Transportation: Take \$1 8am shuttle to Lahaina from Whaler's Village (next door to Westin)

Cost: \$30 donation (100% will go to the WM Kumuwai Campaign)

Description: Come join us as we partner with Trilogy & The Surfrider Foundation to reach their goal of cleaning 12 reefs in 12 months. We will be enjoying a morning snorkel at some of the largest reefs on Maui's West side, picking up marine debris, and benefiting a great West Maui organization - the West Maui Kumuwai campaign, which provides methods for everyday citizens of West Maui to take action to improve our ocean health. (<http://westmauikumuwai.org/>). Olowalu is the tentative site (weather dependent). Lunch & Refreshments are provided

Register in one of the following ways:

Via Email: blueainareservations@gmail.com

Via Phone: 808-879-2818 ext. 39

Via Internet: <https://www.sailtrilogy.com/helpmaui> - their team will email you to confirm.

SPECIAL EVENTS



Photo By: Russel Sparks

EVENT: USCRTF EDUCATION AND OUTREACH WORKING GROUP EVENING PRESENTATION SPONSORED BY



Tuesday, September 9th 6:00pm-8:30pm

Location: Hawaiian Islands Humpback Whale National Marine Sanctuary Visitor Center

Buses will depart Westin Group Entrance at 5:20pm. Pupus will be provided.

Pre-registration on meeting website is required. Space is limited.

The evening will include a tour of the Kō'ie'ie Fishpond highlighting traditional Hawaiian practices, a demonstration of coral reef educational products by the NOAA Educational Council, and a presentation about the Papahānaumokuākea Marine National Monument.

Hokuala Johnson, with Papahānaumokuākea Marine National Monument, will introduce Google Streetview as a tool to educate the world about the large, remote Northwestern Hawaiian Islands. She will take the audience on a virtual walk around the shorelines of Papahānaumokuākea Marine National Monument and talk about the public-private partnership that allowed this innovative technology to bring the magic of the Northwestern Hawaiian Islands to people across Hawaii, the country, and the world.

Papahānaumokuākea is cooperatively managed to ensure ecological integrity and achieve strong, long-term protection and perpetuation of Northwestern Hawaiian Island ecosystems, Native Hawaiian culture, and heritage resources for current and future generations. Three co-trustees - the Department of Commerce, Department of the Interior, and State of Hawai'i - joined by the Office of Hawaiian Affairs, protect this special place. Papahānaumokuākea Marine National Monument was inscribed as the first mixed (natural and cultural) UNESCO World Heritage Site in the United States in July 2010. For more information, please visit www.papahanaumokuakea.gov.

SPECIAL EVENTS

EVENT: RETURN TO ABUNDANCE, A RECEPTION SPONSORED BY

CONSERVATION
INTERNATIONAL



Wednesday, September 10th 6:00pm-8:30pm

Location: Maui Ocean Center

Buses will depart Westin Group Entrance at 5:20pm. Pupus and drinks will be provided.

Due to limited space, this is an invitation only event.

CI Hawaii is excited to host this evening event and share about their mission to restore seafood security in Hawaii by engaging communities and stakeholders to protect their critical natural capital, foster effective governance, and promote the sustainable production, distribution, and consumption of locally sourced, sustainable seafood.

During this reception, participants will walk through Maui Ocean Center's coral reef exhibit and meet various Hawaii coral reef partners at their display tables. Make sure to stick around for a surprise presentation at the shark tank!

EVENT: MAUI COMMUNITY RECEPTION SPONSORED BY



Thursday, September 11th 5:45pm-7:45pm

Location: Camp Olowalu

Buses will depart the Westin Group Entrance at 5:20pm. Pupus and drinks will be provided.

Due to limited space, this is an invitation only event.

This reception is an opportunity for local agency partners to meet and talk story over drinks and pupus with the Maui Nui Makai Network and Maui Coral Reef Recovery Team. Come learn what local communities are doing to help protect and restore healthy coastal and marine environments.

32ND U.S. CORAL REEF TASK FORCE MEETING

THE WESTIN MAUI

THURSDAY, SEPTEMBER 11, 2014

BUSINESS MEETING AGENDA

7:45 - 8:30

REGISTRATION

8:30 - 8:50

HOST WELCOME AND REMARKS

8:50 - 9:00

CO-CHAIR INTRODUCTIONS AND REMARKS

9:00 - 9:15

GOVERNOR'S REMARKS

9:15 - 9:30

MEMBER INTRODUCTIONS

9:30 - 9:45

BREAK

9:45 - 10:45

**COMMUNITY LEADERSHIP IN MARINE MANAGEMENT
PANEL DISCUSSION**

10:45 - 11:15

U.S. ALL ISLANDS CORAL REEF COMMITTEE (AIC) HISTORY

11:15 - 11:30

AIC CHAIR'S REPORT

11:30 - 11:45

STEERING COMMITTEE UPDATE

11:45 - 12:15

OCEAN ACIDIFICATION REPORT OUT

12:15 - 1:30

LUNCH (EXECUTIVE SESSION CONCURRENT)

1:30 - 2:30

PUBLIC COMMENT

2:30 - 3:30

PRIORITY WATERSHED UPDATES

3:30 - 3:45

BREAK

3:45 - 4:00

SUNIA INTERN PRESENTATION

4:00 - 4:15

REEF RESPONSE LEARNING EXCHANGE REPORT OUT

4:15 - 4:30

CAPACITY ASSESSMENT WORKING SESSION REPORT OUT

4:30 - 4:45

MEMBER DISCUSSION AND SUMMARY OF ACTION ITEMS

4:45

ADJOURNMENT

MISSION:

The mission of the Hawaii Division of Aquatic Resources (DAR) is to manage, conserve and restore the state's unique aquatic resources and ecosystems for present and future generations.

The DAR manages the state's aquatic resources and ecosystems through programs in ecosystem management, place-based management, and fisheries management. Major program areas include projects to:

- protect and restore the aquatic environment;
- protect threatened and endangered aquatic species and their habitat;
- conserve and restore endemic and indigenous aquatic species and their habitat;
- combat the introduction of invasive species and reduce their impact on ecosystems;
- effectively manage fisheries; and
- carry out education and outreach to the public.

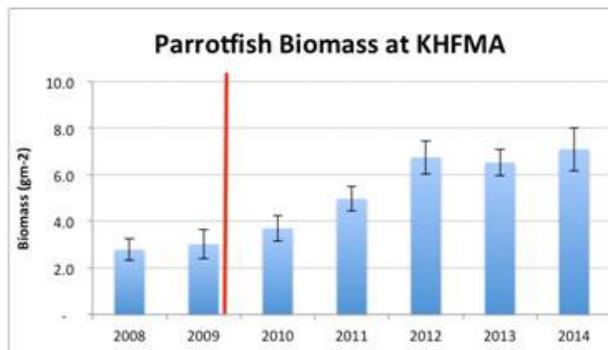
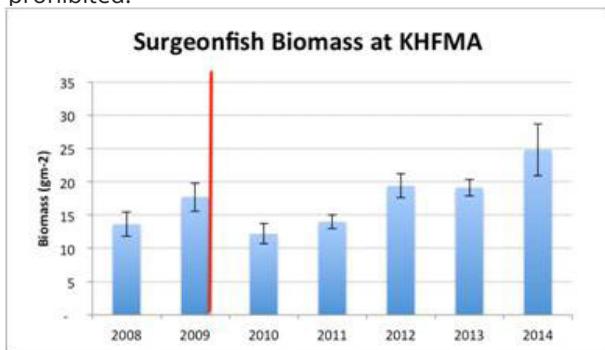
KAHEKILI HERBIVORE FISHERIES MANAGEMENT AREA

BACKGROUND:

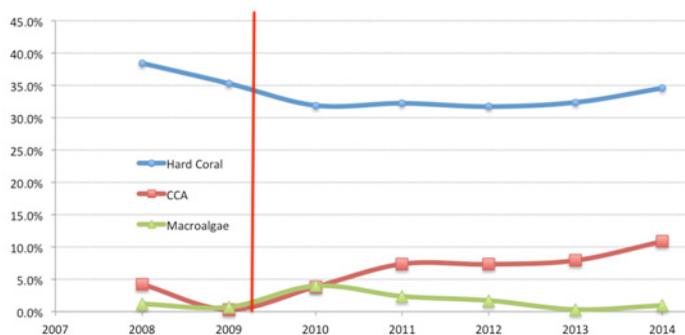
The Kahekili Herbivore Fisheries Management Area (KHFMA) was established by DAR in 2009 to control the overabundance of alien and native marine algae by increasing the abundance of herbivorous fishes and sea urchins. Under KHFMA rules, it is illegal to take any herbivorous species and fish feeding is prohibited.

2014 UPDATE:

- Surgeonfish biomass increased 40% 2009 – 2014
- Parrotfish biomass has more than doubled since
- Coral cover has marginally increased in 2014 and CCA has shown a strong upward trend



Benthic Cover at KHFMA



LOOKING AHEAD:

The recent upturn in coral cover may be an early sign that protection of herbivores is leading to improved conditions for coral growth and survival in the KHFMA. It is important to recognize the full effects of herbivore protection on fishes and benthic conditions will only become clear over time.

HO'I I KE KAI MOMONA RETURN TO AN ABUNDANT OCEAN



CONSERVATION INTERNATIONAL HAWAI'I

WHAT WE DO

The mission of Conservation International's Hawai'i program (CI Hawai'i) is to restore seafood security in Hawai'i, by engaging communities and stakeholders to protect their critical natural capital, foster effective governance, and promote the sustainable production, distribution, and consumption of locally sourced, sustainable seafood. To meet this challenge, we develop strategic partnerships for, provide technical assistance to, conduct research on, and invest program funds in projects that strengthen the sustainable production, distribution, and consumption of seafood in Hawai'i. We develop, implement, and amplify solutions to create a more seafood secure Hawai'i, drawing on interdisciplinary science, traditional knowledge and practice, policy expertise, and market-based approaches. Our services benefit a broad range of stakeholders, including local fishing communities, natural resource managers, sustainable food enterprises, and inter-generational fishing 'ohana (families). We do this to create healthy ocean ecosystems and resilient coastal communities, ensuring sustainable local seafood for the cultural and economic wellbeing of Hawai'i and its people.

OUR PROGRAM AREAS

CI HAWAI'I IMPLEMENTS THREE PROGRAM FOCAL AREAS:

- (1) Sustainable Management of Small-Scale Fisheries
- (2) Restoration of Coastal Habitats and Biocultural Systems
- (3) Transforming Seafood Value and Supply Chains





CORAL REEF CONSERVATION WITH ALOHA!



NOAA
CORAL REEF
CONSERVATION PROGRAM

The Nature
Conservancy





NATIONAL MARINE SANCTUARIES — IN THE PACIFIC —

Hawaiian Islands Humpback Whale National Marine Sanctuary

Papahānaumokuākea Marine National Monument

National Marine Sanctuary of American Samoa

ONMS Pacific Islands Region

🌀 *Kui 'ia ka lei moku e Kanaloa* 🌀

It is the ocean that unites humanity

🌀 *Le malaefono tutasi i le taitafola* 🌀

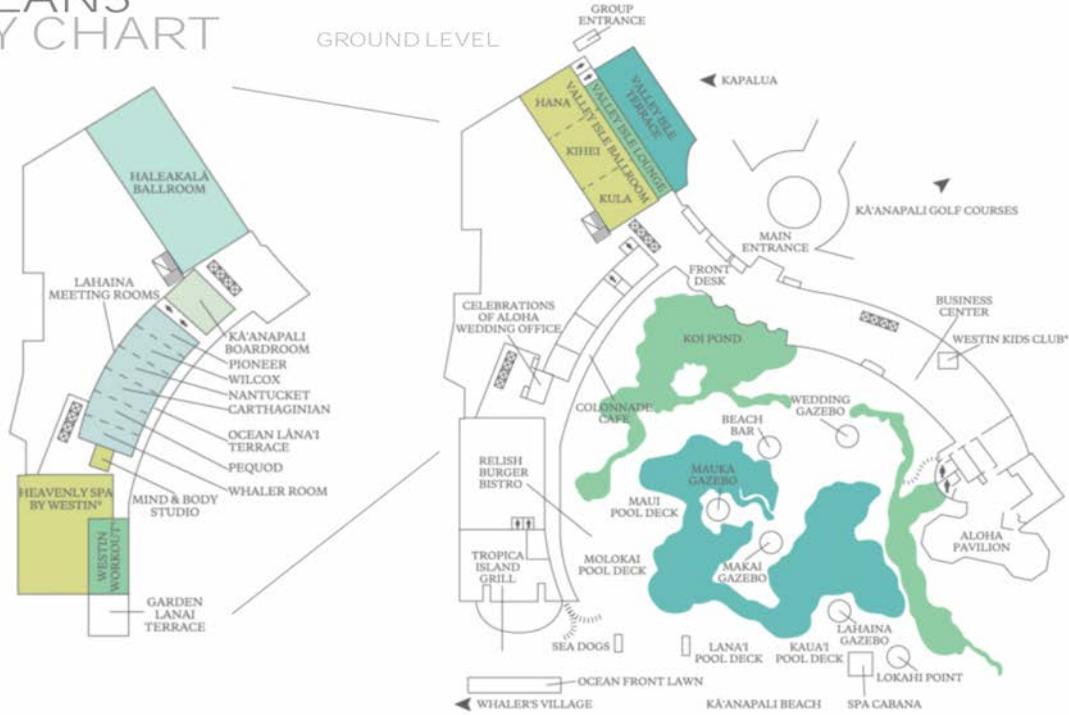
The ocean is our meeting 'malae' (place)



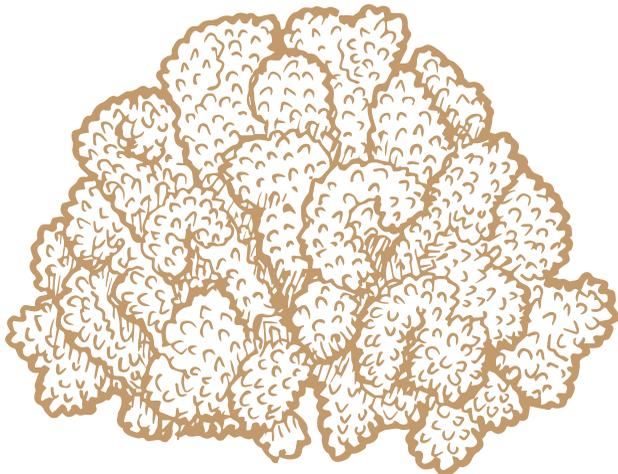
FLOOR PLANS CAPACITY CHART

GROUND LEVEL

2ND FLOOR



THE WESTIN
MAUI
RESORT & SPA
KĀ'ANAPALI



US CORAL REEF

TASK FORCE MEETING

Kā'anapali, Maui September 2014

Coral logo illustration provided by Hawaii Coral Reef Initiative

Cover page photo by Derek Smith

MAHALO FOR ATTENDING THE 32ND U.S. CORAL REEF TASK FORCE MEETING IN MAUI A HUI HOU



Photo By: Manuel Mejia

WWW.USCRTF2014.WEBLY.COM
WWW.WESTMAUIR2R.COM

WWW.WESTMAUIKUMUWAI.ORG
DLNR.HAWAII.GOV/DAR

SPECIAL THANKS TO:



CONSERVATION
INTERNATIONAL

