KO HEMA LAMALAMA | Newsletter of the Kaho'olawe Island Reserve Commission | Spring 2019







Welcome to Ko Hema Lamalama, the newsletter of the Kaho'olawe Island Reserve. Uncle Harry Mitchell interpreted this name as **the southern beacon**, which served as a source of light to weary travelers voyaging beyond the pillars of Kahiki. Let Ko Hema Lamalama aid us in sharing a source of light from Kaho'olawe and the restoration of Hawaiian culture across Hawai'i nei. Photo: Paul R. Meyer | This issue is made possible by supporters like you. Mahalo for helping us share Kaho'olawe.

FROM THE DIRECTOR



Michael K. Nāhoʻopiʻi

Twenty-five years ago, on May 7, 1994, the island of Kaho`olawe was conveyed back to the State of Hawaii. For over fifty-years, the island was controlled by first the U.S. War Department and then in 1953, the Department of the Navy. During that period, the United States' military conducted military live fire training and weapons testing on the island and its surrounding waters. It was through a grassroots effort of dedicated native activist, that spread the message that this lesser known island was not dead but was a vibrant memory of our cultural past, that we, the people of Hawaii were able to return to Kaho'olawe's shores.

Today, Kaho`olawe is a symbol of what the power of the people can achieve through cooperative efforts, political will-power, and steadfast dedication. Kaho`olawe also represents what is possible, it reminds us that hope is not lost when we see devastation and ecological damage. Whether it is one island, a chain of islands or the whole planet, through science, dedication and our innate cultural knowledge, we can heal past wrongs and bring back life back.

As all of us work towards the continued healing of Kaho`olawe through our combined efforts to restore the traditional landscapes and traditional use of the island, we remember how we can make these lasting changes to the landscape of Kaho`olawe today. Through the efforts of those that came before us and dedication of our kupuna and makua.

Kūkulu Ke Ea A Kanaloa



The life & spirit of Kanaloa builds and takes form

The KIRC's logo represents the curled tentacle of the he'e (octopus), one of the kinolau (body forms) of the god Kanaloa. It also represents the curled shoot of the hapu'u fern, symbolizing kūkulu or the beginning of a life force.

Kūlulu Ke Ea A Kanaloa, the motto of the Kahoʻolawe Island Reserve Commission, makes use of two kaona (double meanings). Kanaloa is the Hawaiian god of the Ocean, foundation of the Earth and an ancient name for Kaho'olawe. Ea means "breath" and also "sovereignty." The translation, "The life and spirit of Kanaloa builds and takes form," reminds us of our mission.

The mission of the Kaho'olawe Island Reserve Commission is to implement the vision for Kaho'olawe, in which the kino (body) of Kanaloa is restored and nā po'e o Hawai'i (the people of Hawai'i) care for the land.

WHAT WE DO



The OPERATIONS Program provides transport, maintenance, manpower and overall safety within the Reserve.



The RESTORATION Program restores native, land-based habitats and watersheds through innovative strategies addressing erosion control, habitat restoration, and enhancement of the island's natural water systems.



The OCEAN Program manages marine resources within the Reserve, fostering ancestral knowledge while integrating both ancient and modern resource management techniques.



The CULTURAL Program provides for the care and protection of Kaho'olawe's cultural resources, as well as the expansion of meaningful, cultural use of the island.



The ADMINISTRATION Program supports all KIRC programs while also managing volunteers, GIS mapping, community outreach, library, archive and collections management, fund development, finance and human resources.

ACTION AND SUPPORT

2019 LEGISLATIVE SESSION

This year marks the beginning of a new Hawai'i State Biennium Budget. The budget session lasts for two years, starting in every odd year. Bills are introduced at the start of the session, and those which do not pass in the first year may be considered in the second year at the point in the process where its progress stopped.

Progress Update

Currently, the majority of KIRC funding is dependent upon the support of the State legislature. This year, the KIRC was able to introduce a slate of funding initiatives in order to help secure financial self-sustainability. Through the Governor's budget request to the legislature, we were able to secure the KIRC Cultural Resource Project Coordinator as part of our reoccurring staff, bringing the total KIRC staff to 16 positions. We were also able to secure some additional operational funding for fiscal year 2020.

We also were able to introduce additional manpower and operational funding request through bills introduced by Representative Ryan Yamane and Senator Maile Shimabukuro. HB454, introduced by Rep. Yamane, requested funds to support the restoration, management and maintenance of the dryland forest on Kahoʻolawe. SB1296 introduced by Sen. Shimabukuro and HB455 introduced by Rep. Yamane aimed to appropriate funds for two additional operations specialists. HB458 introduced by Rep. Yamane provided for the transfer of the Kīhei Small Boat Harbor from BLNR to KIRC management as a potential source of income to fund Kahoʻolawe operations. Unfortunately, all four bills did not pass out of committee. As a result they may be considered next year.

Be sure to A) visit <u>kahoolawe.hawaii.gov/leg-updates</u> to access the fine print, B) join our e-news list at <u>kahoolawe.hawaii.gov</u> to receive updates and C) register for hearing notices for each bill above at <u>capitol.hawaii.gov</u> where you see "hearing notification."



Sunrise kilo (observations). Photo: Kalei Nuuhiwa

HOW TO INFLUENCE CHANGE











Sample testimony from a Kaho'olawe bill hearing:

Kaho'olawe's value is priceless and immeasurable for the ways that the island moves people's spirits and fills people's souls. For our young adults, the island holds so much power in helping them to gain insight and perspective along their own life journey in discovering their own beauty and power.

— Rebecca Kapolei Kiili, Resource Teacher, Na Kula Kaiapuni o Maui

Kaho'olawe deserves our care. This island is an important cultural and historic site that tells a story about the arc of human history and awareness. It is a key in the modern understanding of protecting and preserving 'aina and all of human kind by doing so.

Phaeton Keenv

The importance of the work that is being done on Kaho'olawe reaches far and wide: from the cultural significance of the island, the restorative aspects of empowering the people of Hawai'i to bring the island's ecosystem back, the coupling of the sustainable practices that use modern and ancient Hawaiian practices, and putting all of this into the hands of our youth- the work that KIRC does can not be overstated.

— Michelle Bradley, Vice Principal Island Pacific Academy, Kapolei, HI

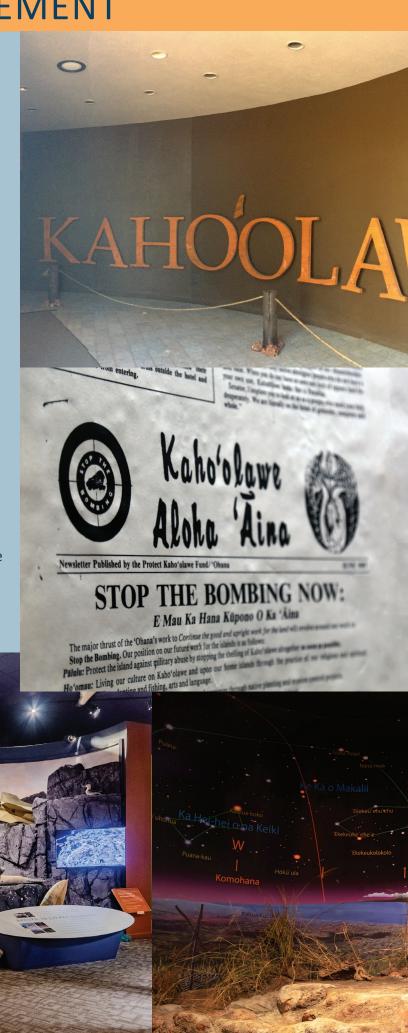
As a 25yr plus member of the Protect Kahoʻolawe ʻOhana I have seen the amount of work and difference the KIRC has brought to the healing and restoration of this most sacred place. Their work and the countless people they have provided access and opportunity to experience has been invaluable to the community.

— Kelvin Ho

COMMUNITY: ENGAGEMENT

New Kaho'olawe Exhibit at the Maui Ocean Center

The Kaho'olawe Island Reserve Commission (KIRC) and the Maui Ocean Center (MOC) have partnered in the development of a new Kaho'olawe Exhibit currently being featured at the MOC. The fact that Kaho'olawe is a cultural reserve and will never be open to any form of commercial activity means that many people will never get to actually visit the island or learn about it from first hand experience. The exhibit provides MOC visitors with an opportunity to learn about Kaho'olawe and it's history, as well as the island's environmental, cultural and archaeological significance. Designed to show the power of change, both good and bad, the exhibit follows the timeline of Kaho'olawe's story from the first Hawaiian settlements to current restoration efforts, highlighting both the good and bad found in between. The Kaho'olawe gallery is home to previously exhibited content from the Bishop Museum in Honolulu and the Smithsonian in Washington, D.C, as well as new content that provides insight into the island's connections to celestial navigation, the marine life that inhabits its waters, the threat of marine debris, and the role of the Protect Kaho'olawe 'Ohana, the KIRC and the many volunteers have played and continue to play in the protection, preservation and restoration of Kaho'olawe. The carefully and thoughtfully curated exhibit hopes to create more awareness of the geography, history, culture and restoration of the island, as well as the power and capacity to effect change and hope for the island's future.



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COMMUNITY: ENGAGEMENT









The MOC exhibit features nearly a dozen artifacts that were found on Kahoʻolawe during archaeological surveys, including a stone sinker (top) and an 'ulumaika stone (bottom). These and the other featured archaeological treasures (above) highlight the rich culture that once thrived on Kahoʻolawe and provide a pathway for preserving and restoring that culture today.

COMMUNITY: SUPPORT

RESTORATION PROGRAM UPDATE:

Thanks to the support of awesome volunteers, the KIRC Restoration Team was very successful in the first few months of 2019! Volunteers from Papio, a father-daughter program based in Honolulu, worked in the Dryland Forest CIP work area above Pokaneloa, planting 2,200 native plants along newly installed irrigation lines and emitters.

A group of students from Maui's King Kekaulike high school helped out in the DOH 4 project site above Hakioawa, constructing gabions, stockpiling kiawe woodchips for future use and picking Ohai`ali`i seeds to be propagated for future plantings. The volunteers also worked on getting 600 more native plants into the ground in the CIP site, and then helped Restoration search for fountain grass at Kealialalo, pulling and bagging what they found.

February brought rain to Kahoʻolawe, along with volunteers from Daihonzan Chozen-ji, a Rinzai Zen temple in Kalihi Valley on Oʻahu, and the Ka Ipu Kukui Fellows, a year long Maui based leadership program designed to train community-identified leaders. The volunteers found the newly constructed gabions in DOH project site filled with soil, and were able to prepare the project site for future planting. The groups also worked in the Dryland Forest CIP work site out-planting 2,000 plants.

March brought good weather and volunteers from the Hyatt Andaz Maui hotel, who were able to build a new wattle in the DOH 4 project site, and were then able to plant 1500 native grasses and shrubs in new wattle and previously constructed gabions.







Gabions are catch dams made from geotextiles baskets filled with rocks, used to slow the flow of water and catch valuable soil in the process.

Wattles are erosion and sediment control devices made from rocks wrapped with geotextile or burlap material, filled with a combination of soil and mulch, and out-planted with seedlings and starters.





Volunteers from King Kekaulike High School constructing gabions in the DOH project site. Ka Ipu Kukui volunteers at the Native Dryland Reforestation project site out-planting (top center) and then taking a quick break to throw shakas (top right). Volunteers from Hyatt Andaz Maui making a wattle from rocks and burlap material (bottom left), and then filling the wattle with soil, mulch and native plants (bottom center). Finished wattle (bottom right).

COMMUNITY: SUPPORT







Ho'olio, or wet season, can bring several heavy rain events to Kaho'olawe, which can have a significant impact on coastal erosion (top left). Stacking sandbags in areas where water is known to flow after these events is an effective strategy that can help to reduce shoreline erosion and excessive near-shore sedimentation (bottom left). More recently, we have been using native plants, like 'aki'aki grass (Sporobolus virginicus) to stabalize the shoreline sand dunes (right) in an effort to reduce coastal erosion and minimize the impacts it has on the island's near-shore coral reefs.

OCEAN PROGRAM UPDATE:

Flexibility is essential to survival and effectiveness on Kaho'olawe. Much of what the staff and volunteers are able to do, and the ultimate success of any project, is dictated by the environmental and ocean conditions during scheduled access dates. January brought good weather, so volunteers from King Kekaulike High School worked on coastal erosion control, filling and stacking sand bags to redirect water and prevent it from flowing directly into Honokanai`a Bay.

The group also went on a series of coastal hikes from Lae Paki to Honokanai`a (see map on the back cover) and checked on survival of the makihi (*Cressa truxillensis*) transplanted along the trail in the previous month and planted 20 more using a new technique that could potentially improve survival. They also checked on areas where the KIRC was testing a shading technique aimed at reducing invasive buffel grass and then weeded kiawe seedlings in recently planted 'aki'aki grass (*Sporobolus virginicus*) fields.

A group of volunteers from the University of Hawai'i at Mānoa worked with the Ocean Program staff in March exploring ways to integrate Kaho'olawe into the University's curriculum and research agenda. They looked at developing projects to test real-time ocean and wave monitoring sensors in Honokanai`a, as well as the possibility of providing newly trained student divers with an opportunity to practice survey conducting in water surveys around Kaho'olawe for the benefit of building the KIRC database.

Ocean Program staff were able to remove non-native invasive Roi, also known as Peacock groupers from the Reserve in March. Roi were intentionally introduced into Hawaiian waters from Tahiti in the 1950's in an attempt to create new fisheries. Unfortunately in Hawai'i, Roi are known carriers of ciguatera, which makes them unsuitable for human consumption.



Native 'upupalu (Cardinal fish, Apogaon spp.) in the mouth of a Roi caught in the Reserve.

COMMUNITY: SUPPORT









Ocean Resource Specialist, Dean Tokishi accepting the acknowledgement from Maui Green and Beautiful Representative Barbara Fernandez.

WILIWILI TREES AT LUAMAKIKIA DEEMED "EXCEPTIONAL"

Thanks to the efforts of KIRC volunteer Kevin Gavagan, KIRC Executive Director Michael Nahoʻopiʻi, and Maui Green and Beautiful, a nonprofit dedicated to caring for the land through preservation, protection and education, the Maui County Arborist Committee recently designated the 4 Wiliwili Kupna trees on Kahoʻolawe as Exceptional Trees of the County of Maui.

In 1975, the State of Hawai'i, passed Act 105 which required every county in the state to establish an Arborist Advisory Committee to designate "Exceptional Trees" in need of protection.

The Wiliwili Kupuna (Erythrina sandwicensis) on Kahoʻolawe is actually a grouping of 4 individual trees which have survived over a hundred years of uncontrolled grazing by ungulates and nearly 50 years of bombing and live fire training by the U.S. Navy and allied forces.

These trees have tremendous historic and cultural value due to their age, rarity, location, size, and endemic status, as well well as to the stoiries through which they live for our staff and volunteer groups. This added layer of protection will help KIRC safeguard the trees from injury or destruction for generations to come.

NOTICE FOR ALL BOATERS

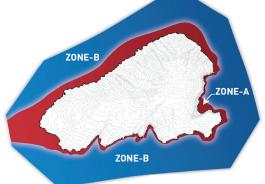
ENTRANCE TO KAHO'OLAWE ISLAND RESERVE IS PROHIBITED

The Kaho'olawe Island Reserve includes the island and its submerged lands and surrounding waters within two nautical miles from shore. The Reserve waters are divided into two zones: Zone A and Zone B (depicted in the map to the right).

Zone A encompasses the submerged land and waters between Kaho'olawe's shoreline and the waters less than 30 fathoms (180 feet). Unauthorized entry into Zone A is strictly prohibited at all times. Zone B includes all waters and submerged lands between a depth of 30 fathoms (180 feet) and two nautical miles from the island's shoreline. Unauthorized entry into Zone B is prohibited at all times, except as stipulated by the permitted trolling schedule.

Two weekends per month, the KIRC opens the waters in Zone B for trolling. Trollers must register with the KIRC prior to entry and must remain underway at all times. No anchoring, bottom fishing, diving or other activity is allowed.

For more information on the current permitted trolling schedule and how to register go to http://kahoolawe.hawaii.gov or call (808) 243-5020.



Map of Kaho 'olawe Island Reserve, including land and surrounding waters.



Violator caught fishing in the Reserve during a KIRC patrol around the island.

NEW ADDITIONS



We are happy to announce the addition of two new staff members to the KIRC team!





Courtney Kerr

Ocean Resource Specialist II

Courtney joined the KIRC staff in October of last year.

She received her B.S in Marine Biology

from the University of South Florida in 2015 and her M.S in Natural Resources and Environmental Management from the University of Hawai'i at Mānoa in 2018.

Courtney's past projects include volunteer based invasive algae removal in Paikō Lagoon State Wildlife Sanctuary in Honolulu, water quality analysis in the Mānoa and He'eia watersheds, and evaluation of sedimentation rates into Maunalua Bay, on the island of O'ahu.

Courtney has developed a passion for the Ocean and a love of being outdoors while living, learning and working in Hawai'i. She excited to be a part of the KIRC team, working to make a difference on Kaho'olawe.



Maggie Pulver

Public Information Specialist

Maggie has lived, learned and taught in Hawai'i for the last 14 years.

After receiving a B.S from the University of Vermont

and a M.S. at the University of Hawai'i at Mānoa, she went on to teach at Ho'āla School on O'ahu. There she developed integrated curriculum rooted in Hawaiian culture and place, interwoven with community, and adaptable to the individual passions of students.

Maggie is also a volunteer with Polynesian Voyaging Society, and served as crew member, education program specialist and outreach coordinator curing the Mālama Honua Worldwide Voyage.

She first became involved with Kahoʻolawe in 2012 as a KIRC volunteer, and then continued to work with the Protect Kahoʻolawe 'Ohana. She is excited to have landed her "dream job" working in service of Kahoʻolawe.

MAHALO TO ALL OF OUR 2019 MEMBERS

Each year, our members contribute directly to the sustainability of KIRC programs, which are dedicated to the rebirth, restoration and flourishing of Kahoʻolawe and its surrounding waters, now and for generations to come!

PATRONS (\$500 and up)

ATC Makena Management Services Corp
Margaret Enomoto
Ann Fahl
Patricia Justice
Ellen Pelissero
Darryl Van Kempen
Rebecca Zalke

BENEFACTORS (\$100 to \$499)

Johanna Amorin
Matthew Bredeson
Jeffrey Chang
Jeffrey Cocker
Robert and Karen Cole
Jenny Costello
James and Karen DeWinter
Stephen Hack
Aheone Kanamu
Vania Kanamu
Bob Law
Edward Lyman

Scott Marshall Luke McLean Gil Riviere

Interested in becoming a member?

Check out page 10 for details!

5 WAYS TO GET INVOLVED



Access our FREE online *Malama Kaho'olawe* curricula (grades 7-12) and teaching materials, chants, historic documents, *Living Library* and *Kaho'olawe Island Guide* mobile app.



Schedule an appointment in our office library or visit our e-news, blog, Facebook, Twitter or Instagram outlets, (links on back cover).



Make a tax-deductible donation to support Kahoʻolawe or make a contribution of new or used equipment. Wish list at kahoolawe.hawaii. gov/donations.shtml.



Volunteer at the Maui Ocean Center and share your love for Kahoʻolawe with others! Schedule a group work day at our Kīhei site, where we are developing a community learning space.



Request a KIRC speaker for your club or classroom (all islands), and/ or testify! The Legislative Session lasts from Jan - May; register at <u>capitol.hawaii.gov</u> for hearing notices.

Kaho'olawe Education and Operations Center at Kīhei

Part of the financial sustainability plan that led to the State's committment to Kaho'olawe called for the development of earned income opportunities to diversify and expand the KIRC's base of support and to better sustain operations in the long term.



Commercial activity is prohibited on Kahoʻolawe, so the State allocated \$500,000 in capitol improvement project (CIP) funds to begin the planning and design process for the *KIRC Education and Operations Center at Kīhei*.

This center will be a key factor in the KIRC's future ability to acheive its mission while simultaneously creating a means of financial self-sufficiency and sustainability. We have completed our initial facility and site designs and have gone through the permittin gprocess. Our next major step will be to secure the funding to begin construction.

You can support our efforts today by becoming a member of the Aloha Kahoʻolawe campaign!





Design plans for the new center.





The future KIRC Education and Operations Center at Kihei.

ALOHA KAHO'OLAWE

Aloha Kahoʻolawe is a campaign to support Kahoʻolawe restoration and access. Through this initiative, we invite participation via membership donations, partnerships and legislative support. By building consensus that there is value in the historical, cultural, ecological and community building resources shared through Kahoʻolawe, we aim to share this special place now and for generations to come.

Individual donations are critical to our efforts to protect, restore and preserve the ocean and land of this important cultural reserve.

If you have been impacted by Kahoʻolawe — as a volunteer, friend, teacher, student, researcher or other community or family member, we invite you to join today.

GIVING LEVELS & BENEFITS:

Benefits Include	Patron	Benefactor	Sustainer
Kahoʻolawe Card Set	✓		
Discounted admission to Maui Ocean Center	✓	✓	
KIRC Logo Tee or Hat (while supplies last)	✓	✓	
KIRC Logo Sticker	✓	✓	✓
Subscription to Ko Hema Lamalama	✓	✓	✓
e-News Enrollment	✓	✓	✓
Mahalo and Membership Card	✓	✓	✓















MAUI OCEAN CENTER









Send this completed form with your donation to: 811 Kolu Street, Suite 201 | Wailuku, HI 96793.

Checks may be made payable to Kahoʻolawe Rehabilitation Trust Fund. You can also give online at <u>kahoolawe.hawaii.qov/donations.shtml</u>.

CONTACT INFORMATION:

Name	Name and/ or company			
Address				
E-mai	I			
Phone	2			
GIFT	TYPE:			
O PA	ATRON <i>(\$500 & up)</i>			
$\overline{}$	ENEFACTOR (\$100-\$499)			
_	JSTAINER (\$50-\$99 \$25 with student ID)			
one pre j	Benefactors and Patrons, please choose of the gifts from below, and indicate your ferred size and color (1st come, 1st served): Hat (one size fits most)			
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	○ Blue ○ Green			
\bigcirc	Shirt			
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Comments:

The Kaho'olawe Island Reserve Commission (KIRC) is a 170(c)1 government nonprofit, authorized per IRS Publication 557, to receive tax-deductible contributions to programs that serve a public purpose. Donors should always consult with their tax advisors before claiming any tax-deductible charitable contributions.



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ABOUT THE KIRC

for the meaningful and safe use of Kahoʻolawe for the purpose of the traditional and trust for a future Native Hawaiian sovereign entity. The KIRC has pledged to provide The Kaho olawe Island Reserve Commission (KIRC) was established by the Hawai i the people of Hawai'i) care for the land. The organization is managed by a sevencultural practices of the native Hawaiian people and to undertake the restoration of the island and its waters. Its mission is to implement the vision for Kahoʻolawe State Legislature in 1994 to manage the Kaho'olawe Island Reserve while held in Island in which the *kino* (body) of Kahoʻolawe is restored and *nā poʻe o Hawaiʻi* member Commission and a committed staff specializing in five core programs: Ocean, Restoration, Culture, Operations and Administration.

COMMISSIONERS

County of Maui: **Michele Chouteau McLean**, Chairperson (Deputy Director of Planning, County of Maui) Protect Kahoʻolawe ʻOhana: **C. Kaliko Baker** (Instructor, Kawaihuelani Center for Hawaiian Language, UH Mānoa) Department of Land & Natural Resources: **Suzanne Case** (Chairperson, Department of Land & Natural Resources) Protect Kaho'olawe 'Ohana: Jonathan Ching (Land and Property Manager, Office of Native Hawaiian Organization: Hōkūlani Holt (Director, Ka Hikina O Ka La & Hawaiian Affairs)

Protect Kahoʻolawe ʻOhana: Joshua Kaakua (UH, College of Engineering) Coordinator, Hawai'i Papa O Ke Ao, UHMC)

Office of Hawaiian Affairs (OHA): Carmen Hulu Lindsey (Trustee, OHA)

Michael K. Nāhoʻopiʻi, Executive Director

