



KAHO'OLAWE

Ko Hema Lamalama

Newsletter of the Kaho'olawe Island Reserve

Fall 2007

I KA WĀ MAMUA

by Sol Kaho'ohalahala, Executive Director



Like many of us, I was privileged to be nurtured by kūpuna whose hands were calloused and scarred from manual labor, but whose words were gentle and spirit steadfast. As a child, I relished the safety of their warm embrace: they gave me roots, and they gave me wings – a sense of responsibility and empowerment that would carry me on life's journey. I reflect upon these memories even today for guidance, support, and purpose in my decisions

and actions; for these are the values that bridge past, present and future.

So too have I been privileged through public service, yet none so meaningful as the restoration of Kaho'olawe – that calloused and scarred island that gifts all who touch her shores with a powerful embrace that comforts, guides, nurtures and heals.

Kaho'olawe always exceeds our expectations and often our comprehension. As evidenced in her features, cultural sites and place names, Kaho'olawe enhanced our ancestors' creative thinking: more than 120 winds are known and named; observation and teaching of celestial bodies and their movements from Moa'ula'iki covered nearly 360 degrees; and, the study of wind and ocean currents that pass the departure point of the great voyages of history – as those of today – is embodied in the place name, Kealaikahiki – the path to Tahiti.

Kaho'olawe's historic greatness was overwhelmed by an era of darkness: the overthrow of the Hawaiian Kingdom; more than a century of erosive grazing; and – a final indignity – its 50 year disfigurement by military bombing and target practice.

It is the vision and obligation of the Kaho'olawe Island Reserve Commission to huli or turn Kaho'olawe's devastation into its restoration as an island of greatness. This vision must consider Kaho'olawe's long-term sustainability, and it requires a three-pronged strategy: Energy, Water and Transportation.

Welcome to *Ko Hema Lamalama*, a newsletter declaring the news from Kaho'olawe. Uncle Harry Mitchell interpreted this name as the southern beacon, which served as a source of light to those weary travelers who voyaged beyond the pillars of Kahiki. Let *Ko Hema Lamalama* aid us in sharing a source of light about the island of Kaho'olawe and the restoration of Hawaiian culture across Hawai'i nei.

Energy

The future of Kaho'olawe, and all of Hawai'i, must include reliable, integrated and renewable energy resources. In this, we look to our past and today's existing resources to support a sustainable future. In the shadow of Haleakalā, Maui lassoed the sun to provide energy for our people; 'Alenuihāhā, 'Alalākeiki and Kealaikahiki channels contain churning waves, tidal movements and consistent currents that surround and bathe the shoreline of Kaho'olawe; more than 100 winds can, and should, be harnessed and integrated with solar and wave energy to provide sustainable energy for our remote operations.

Water

Ka wai 'ola, our water of life, is key to our ability to live and work on Kaho'olawe. Lacking a reliable source of fresh water requires development of alternative methods for producing it. Atmospheric water generation technologies could produce large quantities of fresh drinking water from the humidity supplied by the waters surrounding Kaho'olawe – the largest expanse of ocean on Earth. Atmospheric fresh water generation, powered by wind, solar and wave energies, could provide a limitless potential to live and work on Kaho'olawe.

Transportation

Our ability to achieve a long-term presence on Kaho'olawe will require cost-effective transportation able to accommodate passengers, goods and supplies in a safe and reliable manner, and most likely by sea. An energy efficient vessel, ideally operated by renewable energy resources such as hydrogen fuel cells, should be our goal. With transportation technologies already advancing dynamically, this non-polluting, water by-product wave of the future could prove a win for Kaho'olawe and a win for Earth. Like the nurturing kūpuna who gave us our roots and our wings, we have been empowered by and assumed the responsibility of caring for Kaho'olawe. Kaho'olawe, too, is our ancestor with firm and fine roots; it is up to us to give her back her wings.

E holomua kākou.



Ocean Resources

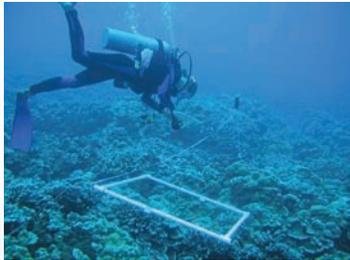
The KIRC Ocean Resources Management Program surveys and compiles data on the underwater, coastal and shoreline resources of the Reserve.

Aerial Surveys

Surveys conducted between July and September counted among marine sightings: 13 honu (green sea turtle), six 'ilioholoikauaua (monk seals), one hāhālua (Manta ray), 196 nai'a (bottlenose dolphin), three ulua (a species of jack or pompano), four 'ōmilu (a type of ulua), three hailepo (sting ray), three large awa (Milkfish) and two kāku (barracuda). Among bird sightings, seven koae 'ula (red-tailed tropic bird) and seven 'iwa (frigate bird) were recorded.

Marine Option Program (MOP)

The final report from the FY '07 Marine Option Program (MOP) incorporated the use of Hawaiian fish names and detailed sightings of coral bleaching and diseases. Continued low documentation of kūmū (goatfish) recommends ongoing monitoring of this species to see if a "kapu" might become necessary. KIRC staff and University of Hawai'i student divers conducted fish and benthic (ocean bottom) surveys in July/August as part of the FY '08 MOP program. With cooperative weather and support from Capt. **Charlie Lindsey** and the **Hākilo** crew, the 10-day mission was completed in seven.



Ocean Resources Specialist II Cheryl King monitoring the coral reef

Continued monitoring

• **Turbidity** – monitor replacement and cleaning were conducted at Hakioawa and Kaulana.

• **Sea birds** – Research scientists from DOFAW and USGS helped KIRC staff conduct sea bird surveys on the north and south shores of Kaho'olawe.

• **'Opihi** – Five photo-quad markers were placed along the north coast so that area replication will be consistent with every photo set taken.

The photo-quad technique is being considered to monitor 'opihi population density, movement and growth rate.

• **Bottom fish** – Buoys placed outside the Reserve in June to track tagged bottom fish movements were retrieved in September. Data results should be available in January.



Ocean Resources Specialist III Dean Tokishi taking water samples off of Kaho'olawe

E kala mai ...

A photo of teacher/volunteers from Nānāikapono charter school was incorrectly identified in our last newsletter. Apologies to these hardworking teachers who took part in the NOAA B-Wet program to learn about the cultural, aquatic and terrestrial resources of the Reserve.



Outreach

FINANCE COMMITTEE ACCESS

KIRC hosted a site visit for 13 members of the state House Finance Committee. Joined by Commissioner **Milton Arakawa, ED Kaho'ohalahala**. Ops and Restoration staff, committee members explored Base Camp facilities, reviewed KIRC's plan for renewable energy resources, and visited Sailor's Cap, LZ-1 and finally Hakioawa.

At Hakioawa, former Commissioner **Burt Sakata** and current Commissioner **Craig Neff** met with committee members; conducted tours of the campsite, restoration work, archeological and cultural sites; and discussed ongoing PKO activities.



Among Finance Committee members joining former commissioner Burt Sakata (second from left) and ED Sol Kaho'ohalahala (right) were (l-r) Representatives Joe Bertram, Joey Manahan, Committee Chair Marcus Oshiro, and Fay Hanohano

CNHA CONFERENCE

The KIRC prepared a full 10x10 display, handouts and DVD presentations for the 6th Annual Native Hawaiian Convention. Visited by several conference dignitaries, the KIRC's booth highlighted the conference theme, "He Waiwai Nui ka Lokahi – There is Richness and Strength in Unity", within the context of the Reserve's Vision Statement that begins:

"The kino of Kanaloa is restored...."

At the convention, KIRC connected with the Office of Minority Health Resource Center of Washington, DC and the program development director of the Pacific-Asian Consortium for Employment (specializing in grant development). Both offered to assist the KIRC in connecting with applicable nationwide grant sources and processes.



Rep. Mele Carroll (Kaho'olawe, Mo'okini, Lāna'i, and East Maui) chats with Commissioner Charles PMK "Doc" Burrows at the KIRC CNHA Conference display.

EXPANDING OUR REACH

Working with Volunteer Coordinator **Jackson Bauer**, the KIRC has added 1,200 former volunteers' names to the KIRC electronic information, notification and newsletter e-mail listings. Added to our normal newsletter hard copy mail-out (1,100) our volunteers enhance the KIRC's communications capability by one-and-a-half times, or approximately 2,500.

PROVIDER PROBLEMS

KIRC is experiencing difficulty with e-mail providers hotmail.com and msn.com. If your e-mail address includes either provider, please regularly check our website at <http://kahoolawe.hawaii.gov/> for news, information and our quarterly newsletter.

Volunteer Program

Kaho'olawe continues to heal thanks to all the hard work of our volunteers. Native grasses and shrubs were planted on the slopes of Pu'u Moa'ulanui in the headwaters of Hakioawa valley which entailed laying irrigation lines, digging thousands of holes, checking and re-checking previous plantings, and constructing pili erosion barriers. All the efforts have made a noticeable difference in the healing of Kanaloa. In addition to extensive restoration work, our volunteers played an integral role in improving roads and monitoring our ocean resources. Mahalo to everyone for your tireless efforts!

July 1, 2007 – September 30, 2007 Volunteers

Josh Adams	Joel Miller
David Ainley	Kristy Mollena
Bryan Axtell	Joni Morris
Mike Brison	Misty Nakayama
Kristen Cuelho	Nā Kuauhau
Division of Forestry and Wildlife, DLNR	Nā Pua No'eau Maui
Emily Dugus	The Nature Conservancy of Hawai'i
David Duvauchelle	Pacific Century Fellows
Douglas Floyd	Teya Penniman
Ian Gaffney	Protect Kaho'olawe 'Ohana
Hawai'i Homeschool 'Ohana	Sierra Club – O'ahu
Kawelu Higashino	Clint Tamale
Lihau Higashino	Bernadette Torrecer-Jones
Nani Higashino	Caro Walker
Erin Iberg	Terry Weaver
Matt Janiec	Bian Wilson
Kaiolu Kaho'ohalahala	Joshua Wittmer
Pualani Kaho'ohalahala	Youth Conservation Corps - Hawai'i
Edwin Kekahuna	Island-B
Buna Leialoha	Youth Conservation Corps - Maui
Toben Lindell	Youth Conservation Corps - Moloka'i
Johnathan Lindsey	Youth Conservation Corps - O'ahu
Bart Maybee	Leaders
	Dave Zieman



Pacific Century Fellows/Nature Conservancy restoration access, Sept. 10-13. **Kenton Wong photo**, used by permission.



KŪKULU KE EA A KANALOA

KAHO'OLAWA REHABILITATION TRUST FUND

Contributions of money or property to the Kaho'olawe Rehabilitation Trust Fund may be deducted as charitable contributions in computing taxable income so long as those donations are used exclusively for public purposes.*

SPONSORSHIP FORM

Name: _____
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 E-mail Address: _____

'Ae! I'd like to kōkua! Please direct my tax-deductible sponsorship contribution to the following program(s):

	Amount	
<input type="checkbox"/> Native Hawaiian Cultural Program	\$	_____
<input type="checkbox"/> Ocean Resource Program	\$	_____
<input type="checkbox"/> Restoration Program	\$	_____
<input type="checkbox"/> Reserve Operations Program	\$	_____
<input type="checkbox"/> Reserve Education, Admin Center & Museum Building Program	\$	_____
Total Enclosed:		\$ _____

Please make check payable to the
Kaho'olawe Rehabilitation Trust Fund

and mail, with this form, to
 811 Kolu Street, Suite 201, Wailuku, Hawai'i 96793
 Telephone (808) 243-5020 Fax (808) 243-5885

'Ae! I'd like to receive the KIRC newsletter, *Ko Hema Lamalama*, by e-mail and help reduce the Trust's printing, postage and handling expenses.

* The KIRC is a 170(c)(1), authorized, per IRS Publication 557, to receive tax-deductible contributions to programs, such as those listed above, that serve a public purpose. Donors should always consult with their tax advisors before claiming any tax-deductible charitable contributions.

KO HEMA LAMALAMA
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E komo mai

A warm welcome to Safety Officer and UXO Specialist **Bart Maybee**. Coming to the KIRC from a similar post at American Technologies where he conducted UXO search and demolition operations on Hawai'i Island, Bart brings with him a 15-year background, both military and civilian, in explosive ordinance disposal technology. Many may remember Bart from his six years on Kaho'olawe during the clean-up project. Bart and his wife have a house full of pets, enjoy cooking and concocting fabulous salsas, and love raising chickens.



KIRC Quick Notes

- Congratulations to Commissioner **Robert J. "Uncle Bobby" Lu'uwai**, recently elected to serve as vice chair of the Commission.
- Reserve Manager **Stephen Fulton** reports that the new Base Camp generator is up and running. Combined with new photovoltaic lighting units to illuminate pathways at night and modifications to the kitchen and volunteer huts, the generator has substantially reduced fossil fuels usage on island.
- Among those receiving well-deserved recognition at the inaugural Hawai'i Home & Remodeling's sold-out "Who's Keeping Hawai'i Green" ceremonies, at Moanalua Gardens, was KIRC Commissioner **Charles PMK "Doc" Burrows**. Maika'i I ka hana, Doc!
- **KIRC Staff** completed 40-hour Hazwoper (Hazardous Waste Operations and Emergency Response) certification in September. The UXO/Toxic Waste identification and response procedural training augments training for most regular on-island personnel and enhances knowledge for staffers with only occasional need to be on island.

MAHALO A NUI LOA ...

The Kaho'olawe Island Reserve Commission would like to acknowledge the generous contributions to the Kaho'olawe Rehabilitation Trust Fund sponsorship program from the following persons and companies:

A heartfelt mahalo a nui loa to **James Neiss** and the **Maui Architect Group, Inc.** of Wailuku, Maui, for their contribution of complete architectural drawings and renderings of the KIRC's Kihei Boathouse Extension.

Special mahalo a nui loa also to **Sandy Akina** and **Akina Aloha Tours, Inc.**, of Kihei, Maui, for their exceptionally generous across-the-board contribution to Trust programs and to our Information, Administration Center & Museum Building Program.

Generous sponsorship contributions to Kaho'olawe Rehabilitation Trust programs were also gratefully received from:

- **Doris Cearley** of Medford, Oregon
- **Kapua Kawela** of Kāne'ohe, O'ahu
- **James C. Shingle** of Honolulu
- **Adam C. Wong** of Honolulu
- **Vernon Y.C. Wong** of Honolulu
- **Ho'ala Greevy** and **Pau Spam, LLC** of Honolulu
- **Richard & Amy Bond and The Pool Professionals, LTD** of Kihei, Maui

To each of the above noted sponsors – mahalo for keeping the dream alive.

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