



# KAHO'OLAWE

## *Ko Hema Lamalama*

Newsletter of the Kaho'olawe Island Reserve

Winter 2008/2009

### Ops Update: Simple steps, big benefits

by Michele McLean, Deputy Director

KIRC's Reserve Operations team ("Ops") is responsible for the safe and efficient coordination, logistics, transportation and support for all personnel and supplies needed for on-island activities and projects.

During the first half of our Fiscal Year 2009 (July 1 through December 31, 2008), Ops has seen a variety of exciting changes and improvements. The most notable accomplishment has been the switch from helicopter transportation to boat transportation for virtually all passengers and cargo that travel between Kaho'olawe and Maui. After completing sea trials, crew training an extensive environmental review for our 'Ōhūa landing craft cargo vessel, she began her first beach landings in August.

Under most sea conditions, the 'Ōhūa's bow cargo ramp can load and unload personnel and supplies directly onto the sand at Honokanai'a beach!



With the ability to transport 35 passengers or up to 10,000 pounds of cargo, the 'Ōhūa has delivered the equivalent of more than 200 passenger flights and approximately 60 cargo flights at an estimated cost savings of \$334,350 in five months alone.

Ops has undergone a second smooth and efficient transition with our Honokanai'a facilities manager. At the start of the new fiscal year, we bid aloha and mahalo to our longtime manager, Parsons Infrastructure and Technology Group, and welcomed our new contractor, Zapata Incorporated. With an impressive background (and prior work with the KIRC) in unexploded ordnance detection and handling, Zapata's transition has been

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.



seamless. With these changes in management and contract terms, KIRC will save more than \$500,000 annually.

Simple yet meaningful improvements have also been made

to our Honokanai'a facilities, resulting in financial, practical and environmental benefits. These include replacing, relocating or decommissioning inefficient, old or heat-generating appliances and installing only energy-efficient units; converting all electric water heaters to solar; discontinuing the use of individual disposable plastic water bottles and introducing the use of five-gallon water jugs; and separating waste from meals so that items can be recycled or burned rather than transported and disposed on Maui (food waste composting is being planned).

One final important change incorporated into our Ops support is the expansion of our "KIRC Base" radio coverage to 24/7. With the kōkua of staff members throughout the KIRC organization (all programs and administration, as well as operations), we now have round-the-clock radio support for on-island personnel and volunteers to track movements, supply information and provide Maui-based assistance and coordination in the event of an emergency. The Reserve Ops team looks forward to continued economic, logistic and environmental improvements to our facilities and operations during remainder of this fiscal year.





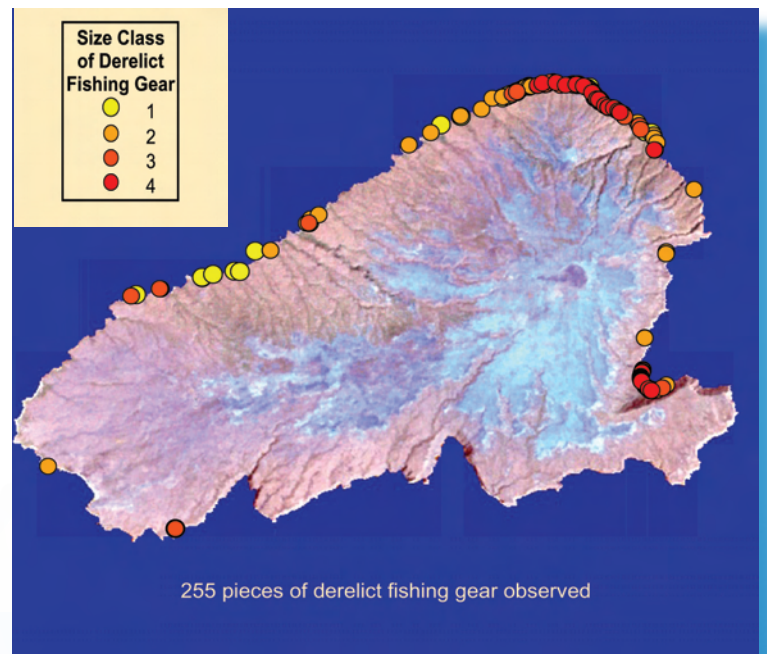
## Ocean Resources

### Marine debris takes a toxic toll

Due to its geographic location and prominent current patterns around the island, Kaho'olawe is a sink for marine debris accumulation. This 'ōpala (rubbish) is both local and international in origin. It's a rather shocking aggregation of materials: a snapshot of our throwaway society that disregards the serious impacts of discarding rubbish inappropriately. And since it takes decades for these materials to break down, we're stuck with them for the duration of our lives, and beyond. The often-toxic properties of the wide range of debris are contributing to rising pollution levels in our oceans and coastal lands. Marine debris poses serious entanglement and ingestion hazards for all marine life from coral polyps to whales, and is responsible for an unknown number of negative impacts and deaths to these creatures.

As part of a statewide survey spearheaded by the NOAA Coral Reef Ecosystems Division last September, the KIRC Ocean Resources Management Program participated in an aerial survey of Kaho'olawe's entire coastline to document derelict fishing gear, a study that yielded a disturbing view of this large-scale problem. The adjacent map shows the accumulation of nets by size, and reveals a high concentration of rather large nets on Kaho'olawe's northern and eastern facing coastlines.

Since 2003, KIRC has coordinated large-scale annual cleanups at Keoneuli Beach in Kanapou Bay. These events are the only time Kaho'olawe's "If you didn't drop it, don't pick it up!" mantra slackens slightly as literally tons of 'ōpala are collected and removed. KIRC uses its two vessels to transport staff and volunteers to and from the island, in typically rough ocean conditions, and sling-loads the debris back to Maui by helicopter. The sheer expense of marine debris cleanups unfortunately limits their frequencies; yet keeping up with it will be an ongoing battle until human behavior changes.



Size class is a rough indication of size of the derelict fishing gear, 4 indicating a volume larger than 1.5 cubic meters.



Debris at Kanapou Bay

What can you do besides the obvious "Reduce, Reuse, Recycle"? Take the pledge: Make a conscious effort to stop purchasing single-use plastic or glass bottles; bring your own shopping bags; avoid products excessively packaged in plastic; and, encourage vendors to use biodegradable rather than Styrofoam containers and plastic silverware. Clean up your own backyard, favorite park or beach. Remember, every piece of rubbish not properly disposed of may reach Kaho'olawe or be ingested by marine animals.

Together, each step we take will make our environment a cleaner, healthier place for us, for marine life, and for the generations to come. Let's lead by example!

## Lonoikamakahiki! Lonoikamakahiki! Lonoikamakahiki! Welina ke aloha!

*News from the Protect Kaho‘olawe ‘Ohana*

I ka makahiki 1980 i ho‘i hou ai ka makahiki i Kaho‘olawe a ‘a‘ohe makahiki i hala kona mālama ‘ana ā hiki i kēia wā ‘ānō e holo nei. He nani ia.



I ia wā ‘o ka ho‘omaka ‘ana o ka makahiki ma Kaho‘olawe, aia nō ka pū‘ali koa ‘oihana moku o ‘Amelika ke ho‘ohaumia ala i ia mokupuni nona ho‘okahi ke kapa ‘ia ‘ana ma ka inoa akua, ‘o ia ho‘i ‘o Kanaloa.

Ua kaulana ka mo‘olelo o ka po‘e nāna i kū‘ē ka pū‘ali koa ‘oihana moku o ‘Amelika. ‘O kekahi o ia po‘e kū‘ē, ua hele nō i ke ala ho‘i ‘ole mai, ‘o kekahi, ua ho‘opa‘ahao ‘ia, a ‘o kekahi, holo akula ma kēia papahana ko‘iko‘i o ka lāhui Hawai‘i ma ka mākia “Kūkulu ke ea o Kanaloa.” E mau ana nō nā mō‘ali‘ali ā hala loa aku nā hanauna he nui e hiki mai ana, eia nō na‘e, ‘a‘ole e ho‘ohaumia hou ‘ia ua moku nei. Ua make‘e ‘ia ke aloha i ka ‘āina.

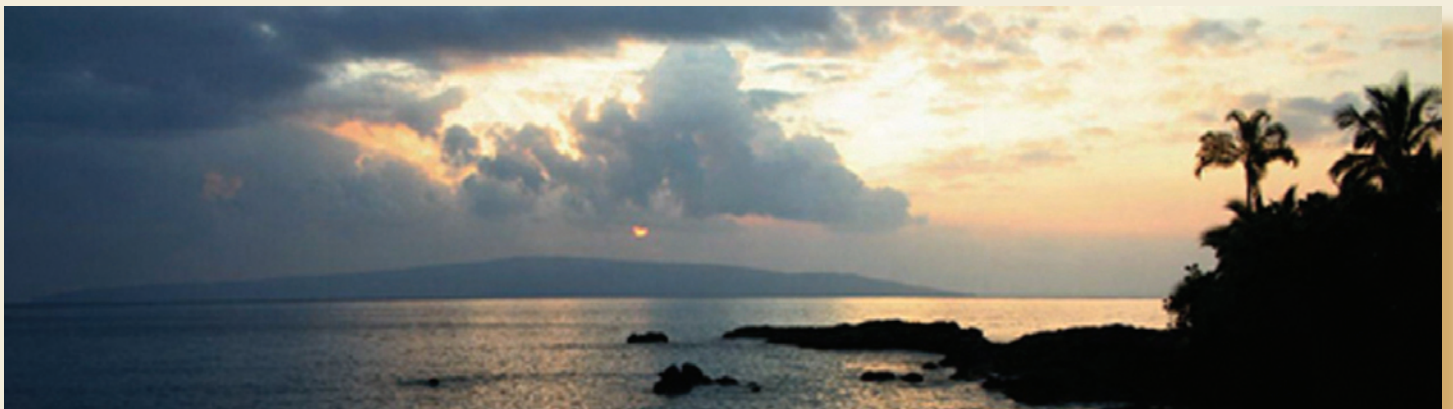
Huli akula ka hana iā ‘Anakē Edith Kanaka‘ole a me kāna mau keiki a nui ke kāko‘o a ‘a‘oa‘o ho‘i i loa‘a maila. ‘O ka ha‘ina o ia huli ‘ana ‘o ia ho‘i ka mālama ‘ana i ka makahiki ma Kaho‘olawe ma muli o kēia lōina o kahiko, ‘o ia ho‘i ‘o ke aloha ‘āina. ‘O ka pahuhopu ka ho‘iho‘i ‘ana o nā mea ulu. ‘Oiai, kala

loa akula ka mālama ‘ole ‘ana o ka makahiki maoli ma Hawai‘i nei a puni nā moku, ‘o ka ho‘opa‘a hou nō ia o ka ‘oihana makahiki ma Kaho‘olawe. Mālama ‘ia ka makahiki ma Kaho‘olawe i mea e ho‘i mai ai ‘o Lono me ona mau kinolau, i pa‘a kona malu i nā ao ‘eke‘eke a ho‘iho‘i hou mai ke kilihune a ka ua. No laila ko mākou ho‘omau ‘ana i kēia ‘ano ‘oihana makahiki ā hiki i kēia wā.

A nānā! Ua aha ‘ia ihola? Ha‘alele akula ua wahi ‘oihana moku ho‘ohaumia lā a ke ‘ike ‘ia nei ke ola hou ‘ana o ka ‘āina. I loko nō o ko‘u mau makahiki ‘o ka huaka‘i kīhāpai ‘ana ma laila he 15, ua ‘ike ‘ia e kēia mau maka ke kupu a lau ‘ana o nā mea ulu a me ka pa‘a ‘ana o ka lepo ‘ula i nā ‘ano mea kanu like ‘ole a he ‘ōma‘oma‘o ka ‘āina ke ‘ike aku. He u‘i ho‘i tau!

Inā ua ulu a‘ela ka hoihoi i loko ou e huaka‘i makahiki pū mai me ka Protect Kaho‘olawe ‘Ohana (PKO), ua hiki nō. E e‘e a‘e kāu wahi lolouila i luna o ka ‘ao‘ao punaeweale o ka PKO ma kēia helu punaeweale /<http://kahoolawe.org/> a noi a‘e.

*Na‘u – Na C. M. Kaliko Baker*



*Photo by Judy Edwards*

# Kaho'olawe in the News

## Patching up the catchment

In January, 13 volunteers led by Derek Arthur Painting Corp. (DAPC), donated 380 volunteer man-hours to repair and re-waterproof Kaho'olawe's water catchment near the summit of Moa'ulanui. Installed in 2002, the 44,000 square-foot catchment feeds two 185,000-gallon storage tanks whenever the rain arrives.



Photo by Kawai'ulailahi Mar

DAPC volunteers (l-r) Thomas Quaccia, Kekaulike Mar Jr., Derek Mar Sr. and Les Mar.

Despite the challenges of logistics and location on Kaho'olawe – one can't just "run to the store" for forgotten materials – DAPC graciously invested their professional guidance, manpower, time, energy, and effort toward the refurbishment of the catchment, which is so critical to new plantings during their establishment period (Kaho'olawe plantings' survival rate has increased from five percent, pre-catchment, to 80 percent today).

Deteriorating conditions in random sections of the catchment areas were clearly evident, so DAPC selected materials designed to provide exceptional corrosion protection and resist and retard rust in a salt air environment. The materials provided good tolerance to surface dampness at application and adhered easily to tight rust. Treating the afflicted areas now will mitigate further deterioration and prolong the life of the catchment's substrate surfaces.

*Mahalo piha* to all who worked so hard for their on-going support of the restoration of Kanaloa Kaho'olawe.

## Continue the lessons of Kaho'olawe.

KIRC staff is working with the nonprofit Kanu Hawai'i to encourage those inspired by their experiences on Kaho'olawe to declare and share their personal commitments to sustainable living. From simple pledges like "I will shorten my showers" or "I will volunteer for an environmental organization" we can start by changing ourselves, lead by example, and begin to change the world around us.

At the Kaho'olawe Group space at [www.kanuhawaii.org/kahoolawe](http://www.kanuhawaii.org/kahoolawe) you can declare your commitments, see what others have pledged to do, stay connected and track our collective impact. As each of us begins to practice our commitments in our daily lives, we will build more sustainable, compassionate, and resilient communities that will become models of "island living" for an "island planet".



## Attention teachers

The Pacific American Foundation (PAF) in partnership with the Protect Kaho'olawe "Ohana (PKO), the KIRC and the Polynesian Voyaging Society will again offer **Mālama Kaho'olawe** teachers' workshops for Grades 7-12 educators.

In March: March 21 – NOAA Humpback Whale Sanctuary in South Kihei, Maui, followed by a Huaka'i to Kaho'olawe with the PKO March 22-24.

On April 2 a workshop will be held at the Hawai'i Academy of Arts & Science at Hilo, Hawai'i Island (no Kaho'olawe access, but teachers may sign-up for a July access.)

To register or for more information, contact the PAF at [www.thepaf.org](http://www.thepaf.org) or phone 808-263-0081 on O'ahu.

## KIRC Staff in the news



Captain **Charlie Lindsey** (left) celebrated 10 years of service with the State of Hawai'i and received a letter of commendation from the state, presented by Executive Director **Mike Nāho'opi'i**.

Ocean Resources Specialist **Dean Tokishi**, Executive Director **Nāho'opi'i** and Deputy Director **Michele McLean** appeared on KAOI-AM's **The Don Couch Show**, Maui's popular weekly island issues talk program.



The wide-ranging interview covered everything from the history of Kaho'olawe to KIRC's current activities in resource monitoring, transition to alternative energies, access to the Reserve, and educational outreach programs.

Volunteer Coordinator **Jackson Bauer**, pictured below "aboard" his winning craft, brought the all-time best dessert to the KIRC holiday gathering – a perfect gingerbread miniature of KIRC's landing craft the 'Ōhua.



# Volunteer Program

Kaho'olawe's continues to heal, thanks to all the hard work of our volunteers. They have all made a noticeable difference in the healing of Kanaloa through this summer's restoration work, clearing invasive species, improving roads, cleaning and organizing Base Camp, and monitoring our ocean resources. Mahalo to everyone for your tireless efforts!

## October 1 – December 31, 2008 Volunteers

Tui Anderson	Brian Jacques
January Asbury	Joshua Jensen
Leilani Auwen	Alastair Hayes Jonathan
Schan Baker	Kaimiana Kahiau
Hans Becker	Mo'o Kanaio
Nikolaas Beezum	Miqe Klemme
Sorin Bejenaru	Kamalana Kobayashi
William Bennett	Gavin Kutsunoki
Kris Benson	Malia Laber
Kenny Benson	Aleta Lee-Nakasone
Anadebi Bhaumick	Robert Lerna
Chris Bird	Attwood Makanani
Diana Bowman	Paul McLean
Alex Bowman	Mathew Medeiros
Richard Brefeld	Scott Metcalfe
William Chillingworth	Hiroko Minoda
Norma Clothier	Hanna Mounce
Robert Coble	Bruce Nakasone
Ian Coble	Lesa Nelson
Derek Coble	Michael Padilla
Jerry Cook	Kūhea Paracuelles
Nicole Davis	Monica Perez
John DeJesus	Jill Quaintance
Carolyn DeMott	Landon Ragragola
James Dierking	Jolyne Rego
Fred Doerrige	Diane Repp
G. Cathy Ebisui	Makena Ross
Judy Edwards	Troy Ryan
Connie Froemsdorf	Adele Shinktaku
Amy Froemsdorf	Jonelle Shintaku
Herman Goldman	Erin Shintaku
Sean Goodnow	Summer Starr
Jean Hamai	Forest Starr
Cynthia Hamilton	Kim Starr
Ruby Hammond	Patricia Stillwell
Toni Harada	Jefferson Stilwell
Kiki Hee	Steven Sturm
Jennifer Higashino	Lesmarie Sun
Lihau Higashino	Thomas Walker
Kawelu Higashino	Ian Yannell
Jocelyn Hurley	

Amy Greenwell & Enthobotanical Gardens  
 Lahainaluna High School Agricultural Class  
 Maui Economic Opportunity Americorps Program  
 NOAA Humpback Whale Marine Sanctuary



*KŪKULU KE EA A KANALOA*

## KAHO'OLAWE 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: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_ Zip \_\_\_\_\_  
 Day Phone: \_\_\_\_\_  
 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"/> Wherever the need is greatest	\$ _____
<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  
A newsletter of the Kaho'olawe  
Island Reserve Commission (KIRC)  
Phone: (808) 243-5020  
Fax: (808) 243-5885  
Email: administrator@kirc.hawaii.gov  
Web: kahoolawe.hawaii.gov



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John D. Waihe'e IV  
Amber Nāmaka Whitehead  
Michael K. Nāho'opi'i  
Executive Director

#### KIRC Wish List\*

***New or used, it doesn't matter as long as it works.***

The Maui-based KIRC Research Library and on-island Honokanai'a Kahua Kauhale (Base Camp) Education Center are looking for four fire-resistant cabinets to store KIRC archives (new, about \$650 each); 50 acid-free document boxes (about \$240 total); 200 acid-free file folders (about \$70 total); and, an 50-inch HD TV for the Education Center on Kaho'olawe (about \$1,000 new). All will be used to archive the KIRC's treasure trove of documents, to screen and document historic film, video and photographs, and as educational tools.

*\*Note: the KIRC is a 170(c)(1) government agency authorized per IRS Publication 557 to receive tax-deductible contributions to its public purpose programs.*

#### 2008 Holiday Fund Drive ... *Mahalo piha!*

*Mahalo* to our extraordinary sponsor **Joan D. Pedro** of Madison, Wisconsin, who, for a second year, presented the Kaho'olawe Rehabilitation Trust with a most generous gift to the Restoration Program in memory of her late husband, and former Kaho'olawe resident, **David Pedro**.

Very special *mahalo a nui loa* to everyone listed below for their very generous contributions to our 2008 Holiday Fund drive: **Leonard Leong & Royal Contracting Company**, **Calvin Ichinose**, **Claire Pruet** and **Susan Arnett** all of Honolulu, O'ahu; to **Hannah Springer** of Kailua-Kona and to **Alan K. Okinaka** of Hilo; to Maui residents **Jeanne Carey & Michael Minn** of Hāna, **James Bailey** of Wailuku, **Audrey Tamashiro-Kamii** of Makawao (her second donation in 2008), **Katherine Kama'ema'e Smith** of Kapalua, and **Wren & Nancy Wescoatt** of Kaunakakai, Moloka'i.

From our mainland *kōkua*, *mahalo piha* to **Fran O'Reilly** of Vashon, Washington and to **Stuart Brooks** of Nā Keiki o Hawai'i in Eagle River, Alaska.

To each and every one who has have been touched by Kaho'olawe and gave a gift to the future of this **wahi pana**, this storied place, *mahalo piha!*

#### Mahalo to Wish List contributors!

... to the Charles Reed Bishop Learning Center at Kamehameha Schools-Maui, especially Librarian **Ramona Ho** and her assistant **Susan Tavares**, for their recent contributions to the KIRC Research Library.

Another *mahalo piha* to two of KIRC's regular office volunteers, **Judy Duvall** and **Sue Moore** of Newport, Washington and Lahaina, who answered our Wish List call with a contribution of a DVD/VHS player-recorder to our Cultural Program as well as an Epson Picture Mate and film paper that that will greatly assist in our continuing work to archive historic photographs for our education programs and research library.

And, *mahalo* to **Tina Keko'olani** and **Bart Maybee** for their generous contribution of two complete wet suits and accessories to our Ocean Resources Program.



Kaho'olawe Island Reserve Commission  
811 Kolu Street, #201  
Wailuku, Hawai'i 96793

RETURN SERVICE REQUESTED

