



Rae DeCoito Executive Director

Aloha mai kakou,

Since taking the reins as Mālama Loko Ea Foundation's, (MLEF) Executive Director last year, our efforts have been focused and organized around three clear themes.

- First, our priority has been to expand our educational programs and tap into our local schools, with a goal of connecting our haumana to Loko Ea, as a learning laboratory.
- Second, we have taken up the responsibility of developing, and implementing a restoration plan utilizing best fishpond practices. In early 2016, MLEF contracted renowned fishpond expert, Graydon "Buddy" Keala. A restoration plan was developed that reflects both the landowners and Malama Loko Ea Foundation's strategic goals. Ultimately our long term goal calls for harvesting fish to provide a sustainable food source to our community within the next few years.
- Finally, we have kuleana to expand our engagement with the community. Our vision is to engage our local keiki, ohana and kupuna to reconnect with this wahi pana.

As Mālama Loko Ea continues to grow its educational programs and operations, there is still much work to be done. In traditional times, it took the efforts of the entire community to maintain this sacred fishpond.

We invite the North Shore residents, businesses, University of Hawai'i academic and scientific community to share in the hana and restoration of Loko Ea as a functioning aquaculture system.

I look forward to seeing you at our monthly $l\overline{a}$ hana every 3rd Saturday of the month, please feel free to contact me at rae@lokoea.org.

OUR LOKO EA 'OHANA





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History of Loko Ea

The loko i'a fishpond traditonally named Loko Ea is a rare, cultural site nestled in the quaint town of Hale'iwa on the North Shore of O'ahu. It is located in the ahupua'a of Kawailoa, a traditional land division from mountain to sea and in the moku, land district, of Waialua. The area is traditionally known for its profusion of fresh water springs.

Famous was the moku of Waialua for its abundance and fertility, where mahi'ai farmers and kanaka lawai'a fishermen could sustain their families with bountiful harvests. Loko Ea is indeed an ancestral place of importance, a significant Wahi Pana to the people of Waialua. The site is associated with ancient deities, cultural practices and historical events. This fishpond once helped to sustain its community by providing aquatic food resources like native fish and seaweed. Now, centuries later, Loko Ea has unfortunately taken on an unprecedented amount of stress due to surrounding developments, mismanagement of resources and lack of continuous cultural practices.

Today, Loko Ea is on a path to restoration.

DurVision

The vision of Malama Loko Ea is to connect the present to the past.

Dur Mission

Our mission is to perpetuate the Native Hawaiian culture through education, land stewardship, and community building, while sustainably restoring our precious natural resources.

BUDDY KEALA FISHPOND EXPERT HIRED AS **ADVISOR** RESTORATION HUI LAUNCHES FIRST PLANNING MEETINGS OVER 1,500 KS HO'OMĀKA'IKA'I 6TH GRADE STUDENTS VISIT + LEARN AT LOKO EA

IUN

2016

MAR **FEB** IAN MAY 2016 2016 2016 2016 2016 **CONSERVATION INTERNATIONAL AWARDED** FIRST ANNUAL **PATAGONIA** MULLET "BROOD STOCK" HOLOHOLO VOLUNTEER **ENVIRONMENTAL** PROJECT CONDUCTS **RECOGNITION DAY GRANT** ANNUAL MEASUREMENTS



KUPUOHI EDUCATION PROGRAM

Our Kupuohi Education program strives to teach students, pre-k to post college, about **sustainability,**

S.T.E.M., language arts, Hawaiian Culture, and land-stewardship

with exciting hands-on, experiential activities.

Our goal is to inspire students to learn

about and care for their

environment

while developing their sense of place.
We work to accommodate all the groups
who want to visit

Loko Ea.

WAIOLA PROJECT

In partnership with Leilehua High School, the Waiola Project, falls under the Kupuohi Education Program and is a project where students visit the pond monthly; record their observations on weather, fish behavior, water, and then perform basic water quality tests.



KUPUOHI means...

to flourish + grow >>



EACH YEAR OVER 2.000 STUDENTS VISIT LOKO EA!

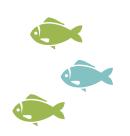
KULĀIWI NANI RESTORATION PROGRAM

Loko Ea is one of two fishponds located in the Kawailoa 'ahupua'a that provided fish for reigning ali'i or chiefs. From 2008, with support from Kamehameha Schools, we were inspired to restore it to a state of health and balance. MLEF is dedicated to restoring a healthy flourishing ecosystem to Loko Ea through our ongoing habitat restoration program, Kulāiwi Nani. Removal of invasive grass species throughout the pond has been ongoing since 2008, reopening waterways, allowing the native vegetation to thrive, in turn, restoring a balanced ecosystem to the area. Our program initiative plays a vital role not only to Loko Ea itself, but also to the greater Waialua bay where marine life rely heavily on the natural food source provided by the nutrient rich water of Loko Ea.

MLEF Restoration Plan



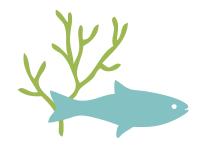
Further dredging of the Big Pond



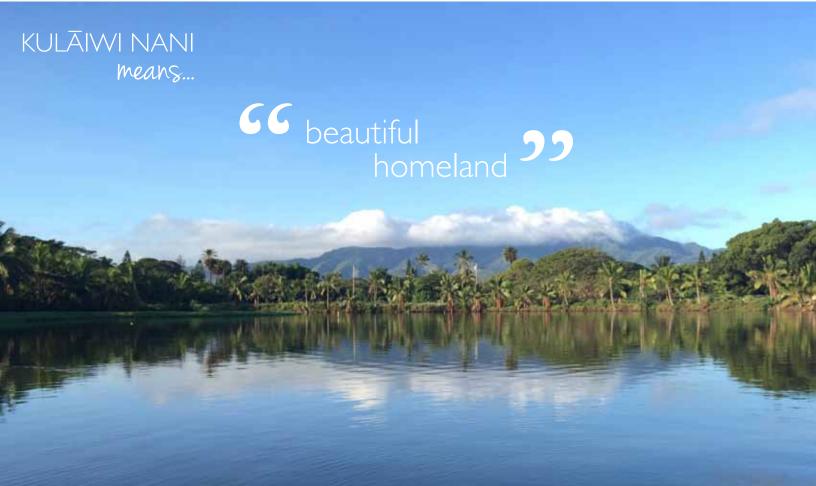
Restore Keiki Pond to Function Correctly



Fix the Mākāhā



Return Loko Ea to be a Source of Food for our 'Ahupua'a





KAIĀULU ENGAGEMENT PROGRAMS

VOLUNTEER ALAKA'I

MLEF now offers a leadership role for volunteer alaka'i. Volunteer alaka'i will receive free professional training and workshops, including water quality testing, environmental parameter data collections, GPS, mākāhā maintenance, tide and moon systems, native plants and fish identification, and predator eradication. MLEF volunteer alaka'i will lead service event and educational activities, participate in proper maintenance of Loko Ea, conduct surveys as needed, and become very familiar with the history and mo'olelo of Kawailoa, Uko'a, Loko Ea, mauka to makai, fishpond operations and traditional resource management.

BENEFITS INCLUDE

Receive free professional training and workshops

Hands on experience in education, leadership, saftey and community engagement

Build resume and career opportunities

Make career connections

Make an impact, serve the planet

Make new friends

Join a community of conservation minded individuals

PŪPŪKAHI CERTIFICATION PROGRAM OVERVIEW

- Understand the history and mo'olelo of Kawailoa, Uko'a, Loko Ea, mauka to makai, fishpond operations, and resource management.
- Become familiar with the conservation and maintenance needs of Loko Ea Fishpond.
- Follow pre & post event checklist to ensure safe and efficient activity.
- Conduct introduction, orientation and saftey protocol.
- Lead a minimum of 6 meaningful service learning experiences per year for 2 years through culturally focused activites for volunteer, school, and community groups each year.
- Work with other Alaka'i and MLEF staff and interns collaboratively.
- Conduct surveys as needed + prepare an event summary citing areas of improvement of overall visitor experience.



66 community **99**

"He keiki aloha na mea kanu" Beloved children are the plants. — Olelo Noʻeau, Mary Kawena Pukui

Everyone is welcome at our La Hana - Community Workdays!

Community members of all ages are invited to our monthly La Hana to help with restoration activities at Loko Ea. The day begins with cultural protocol (oli and pule) and Hawaiian values;

laulima, ALOHA, mālama 'āina, + LŌKAHI

are instilled and practiced throughout the day. Volunteers will learn about the history of Waialua and Loko Ea Fishpond and participate in meaningful work projects to help restore our 400 year old loko i'a.

You'll make new friends while seeing the results of your work with the 'āina that very day. Our Lā Hana are once a month, on the 3rd saturday of each month, though you should check our upcoming list of community work days to confirm. We start at 8:00am and conclude with lunch provided by us!



Please RSVP online at www.lokoea.org.



MONTHLY COMMUNITY WORK DAY



66 volunteer 99 volunteer demographics 11,363 total'a'a 4,817 wahine 4,544 kane 56% native hawaiian 'a'a 51,133 total 'a'a hours FROM 2009 TO PRESENT

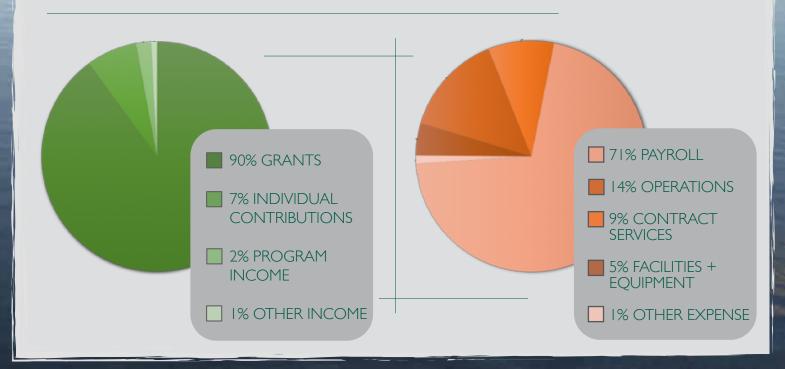
> I learned here that everyone has a chance to work to protect our land and help our natural species. -- Xaiver, Grade 6

then + now

There are three different levels a fishpond can operate at when producing fish for a community; extensive, semi-intensive, and intensive. Hawaiian fishponds traditionally were managed as extensive systems with yields in the hundreds of pounds per acre per year. In the 1960's Loko Ea was managed in extensive fashion. Fish sales were at low levels. In the 1980's, the move from extensive to semi-intensive production was achieved; crossing the 1,000 pounds of fish per acre per year mark. In 1983, Loko Ea produced about 7,200 pounds of fish. In 1984, the amount of fish sold decreased, about 5,850 pounds, but revenue was increased as a higher priced fish began to be harvested and sold.

Today, after the MLEF Restoration Plan is completed, Loko Ea has the potential to produce about 2,400 pounds of fish per year.

MLEF 2015-2016 REVENUE SOURCES + USES



Board of Directors

Board of Directors



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DOREEN RABAGO DIRECTOR



KALANI FRONDA DIRECTOR



ROWENA ESTORES SECRETARY/TREASURER

Advisors



KIMI MAKAIAU FISCAL SPONSOR, ALU LIKE



GRAYDON "BUDDY" KEALA LOKO I'A CONSULTING

'O ke kahua ma mua, ma hope ke kūkulu.

"The foundation first, and then the building."



On behalf of the Board of Directors, staff, and volunteers of Mālama Loko Ea Foundation, we wish to thank those who contributed to Mālama Loko Ea Foundation. Your support will aid in our continued efforts to Mālama Loko Ea through land stewardship and education.

mahalo palena 'ole



+ Kulaiwi Nani Habitat Restoration









Loko Ea Fishpond Restoration +

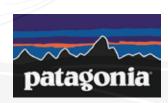
'Ōlelo Hawai'i Program







Loko Ea Restoration Project + Ecotourism Initiative







Hawai'i Community
Foundation

Omyidar 'Ohana Foundation of HCF





