

**NĀ
PILI
WAI**

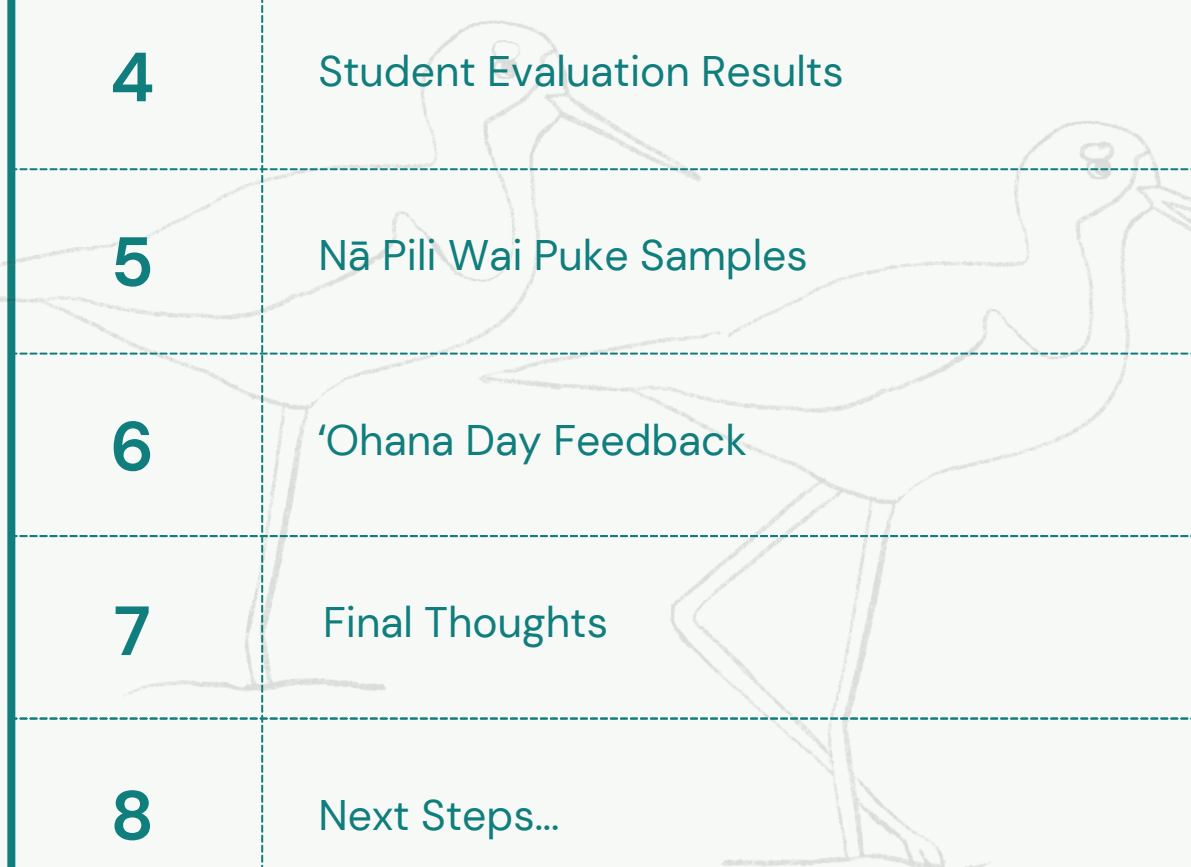
SUMMER PROGRAM EVALUATION 2021



MĀLAMA LOKO EA FOUNDATION

TABLE OF CONTENTS

1	Program Overview
2	Nā Pili Wai Snapshot
3	Nā Pili Wai Sample Schedule
4	Student Evaluation Results
5	Nā Pili Wai Puke Samples
6	'Ohana Day Feedback
7	Final Thoughts
8	Next Steps...



PROGRAM OVERVIEW



Nā Pili Wai—the Connecting Waters

A summer program celebrating the ‘āina momona of Waialua.

Loko ea is alive with joy and laughter of keiki, reconnecting and learning about their moku of Waialua.

Mālama Loko ea Foundation (MLEF) hosted its first summer program, **Nā Pili Wai**, with haumana third to eighth grade.

For 6 weeks, MLEF welcomed weekly sessions of keiki for a five day program, Tuesday to Saturday. Four days were student based culminating in an ‘Ohana Day —Family Day, where keiki could share and showcase new knowledge and skills developed during the week.

Haumana engage in hands-on lessons with the theme of *Celebrating ‘Āina Momona*. The program was designed to help these participants form greater connections to the places that feed them physically, mentally, and spiritually, as they start their journey, learning the importance of natural resources and how we can become more sustainable as a community by protecting and/or restoring them.

Each day haumana participate in a curriculum that combines different outdoor learning experiences informed by years of educational programs at Loko ea as well as new lessons to promote kilo-observation, critical thinking, problem-solving, teamwork, and an appreciation and respect for ‘āina and the cultural richness of Hawai‘i.

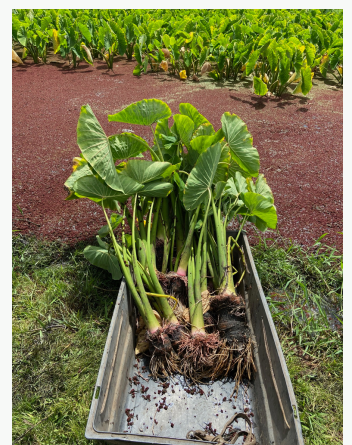
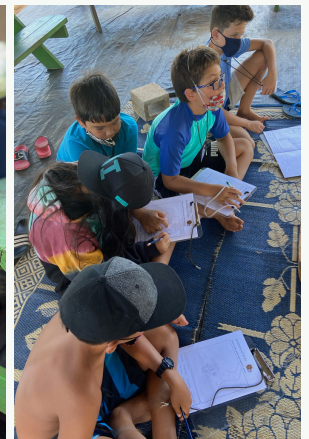
A few program highlight features include:

Community Circle: Days began and ended with a community circle, to foster a safe and healthy learning environment, where students feel safe tackling topics, reflecting and sharing mana‘o (thoughts) on their day, and laughing together through discussions facilitated by MLEF Staff.

Kilo: Each day students have morning students practiced kilo—observation with a worksheet in their puke to guide them. Daily kilo nurtures student ability to "see" more in the natural world around them. Also, throughout the day students are participating in hands-on lessons. Each day allowed for quiet detailed observation of a they day’s specific theme: I‘a, Niu, Kalo, Imu. Haumana were asked to sketch a detailed labeled drawing of their observations.

Papa Mele: Students learn a ‘oli kahea for Waialua and ‘oli mahalo that they shared with their ‘ohana throughout the week and during protocol at the ‘ohana day.

Imu: Throughout the week, haumana learn about different foods and how to catch, grow and process them. All of which comes full circle with the keiki preparing their own food that they gathered all week, then build and cook it in an imu (traditional underground cooking style). The feast is shared and eaten by the keiki and their ‘Ohana on final day of each session.



NĀ PILI WAI SNAPSHOT



6	One-week sessions
107	Haumana Grades 3-8
59%	Haumana Native Hawaiian
65	'Ohana with 117 'ohana members attending one or more family events
66%	From Leilehua-Mililani-Waialua Complex
144	Nā Pili Wai Program Hours
42	'Ohana Engagement Hours
6	College interns & High School Junior Alaka'i

Nā Pili Wai Sample Schedule

Theme: In Celebration of 'Āina Momona

Daily Food Theme

Tuesday—*I'a-Fish*

Wednesday—*Niu-Coconut*

Thursday—*Kalo*

Friday—*Imu Buiding*

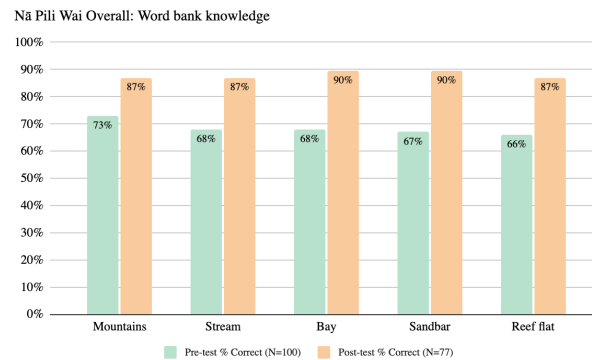
Saturday—*'Ohana Day*

- 8:00 - 8:15am Check-in
 - Morning Kilo time as everyone arrives
- 8:15 - 9:00am Community Circle
 - Review MLEF property safety, rules/code of conduct/expectations
 - 'Olelo of the day—Hō'ihi and Ha'aha'a
- 9:00- 9:30am - Walking tour of Loko Ea
- 9:45am - 10:30am Hana
 - Importance of malama 'āina
- 10:45am - 11:30am Papa Mele
- LUNCH
- 12:00pm - 12:40pm BINGO - Fish ID Activity
- 2:40pm - 1:30pm Lawai'a Pono and Making Makoi
- 1:30pm - 1:50pm Reflection/Closing Circle
 - Journal entry: Write two new things you learned from the day
- 2:00pm Pick up

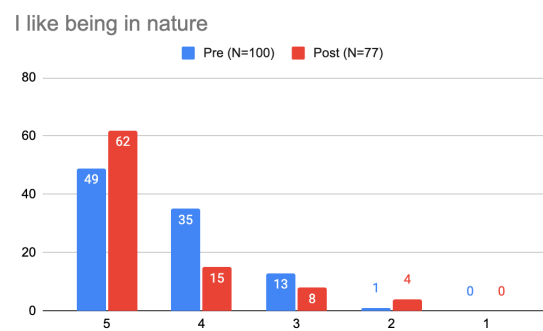
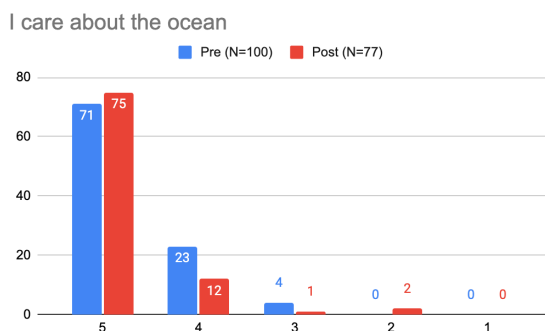
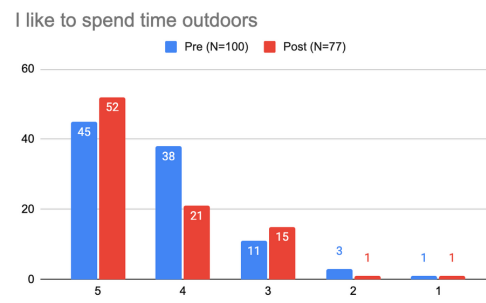
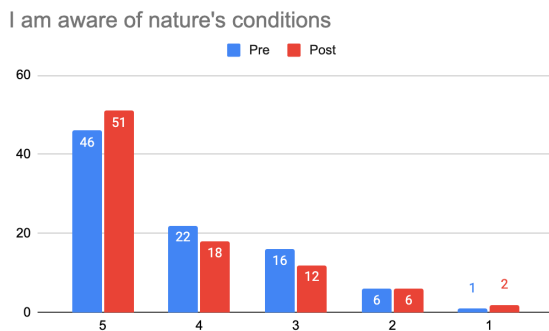


Ahupua'a Features: In the next section of the test, students were asked to complete the fill in the blanks for the following statements, given the word bank of: mountains; stream; bay, sandbar, reef flat. They were instructed to fill in the blanks: "_____ and _____ are the main physical features in the upland region of the ahupua'a. _____, _____, and _____ are the main physical features in the coastal region."

Figure 2 shows the results, comparing pre- (N=100) and post-(N=77) tests in aggregate format and by percentages of correctly completed statements.



'Āina Attitudes: Lastly, the pre- and post-survey administered to the students contained a Likert-based scale, from "A lot", to "A little", to "Not at all", and to "Not sure", to measure student attitudes toward fishponds, and ocean and land stewardship practices in general. Figure 3-6 below, depicts the aggregated results for the pre-and post-surveys completed at the end each week's program.

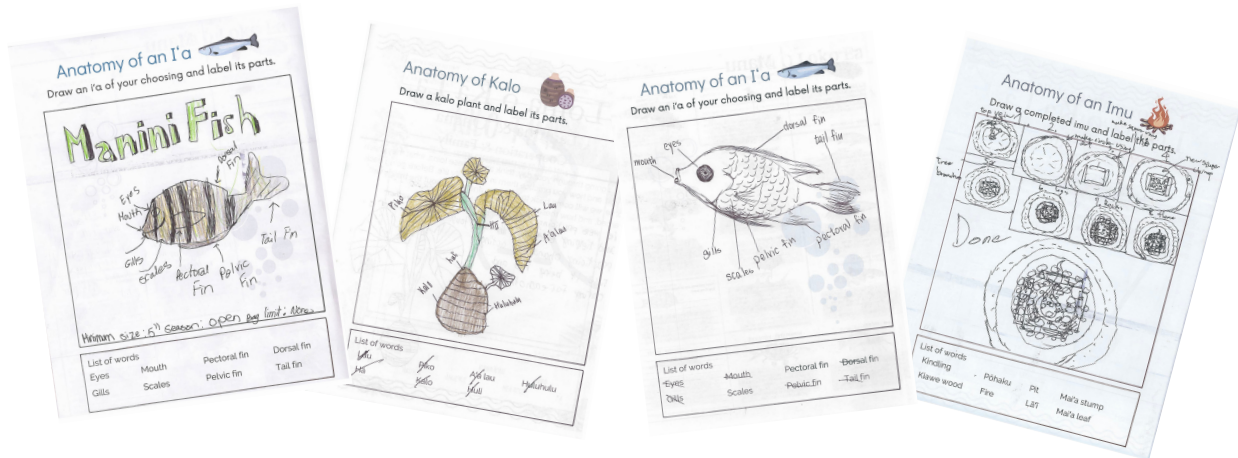


Nā Pili Wai Puke Student Samples

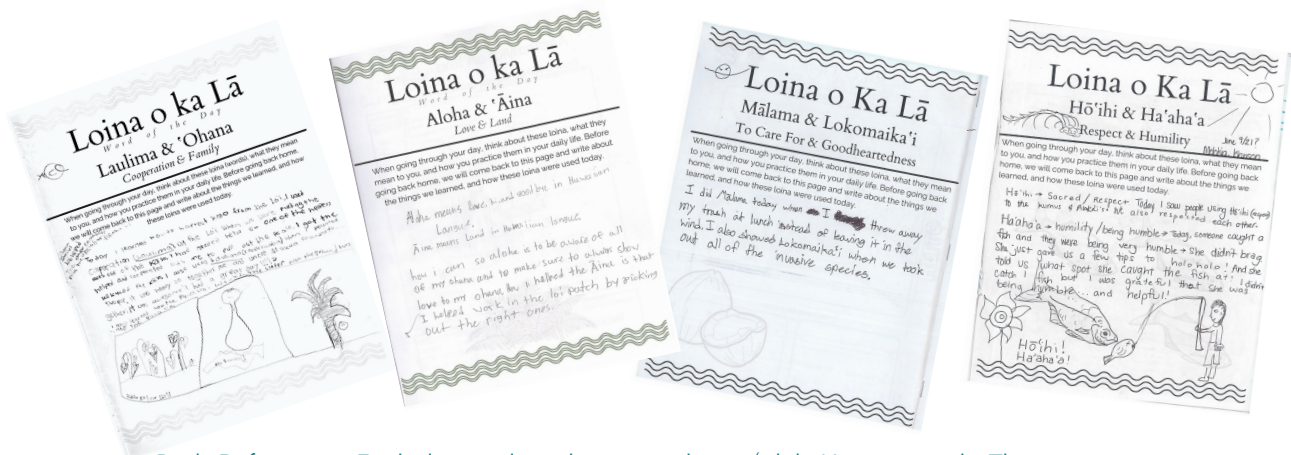
Each student receives a puke—booklet at the beginning of the week. They are given time throughout the week to work on sections Here are some examples:



Daily Kilo Worksheets—Students are given time each day to practice and record their kilo—observation. Within the week, staff noted students become more able to sit still and observe more flora and fauna.



Kilo and Sketch Anatomy of... Students are also asked to sketch the anatomy of: i'a, niu, kalo, imu. This allows students to observe in detail and translate those into sketches.



Daily Reflections—Each day students learn two theme 'olelo Hawaii words. They practice throughout the day incorporating the words and the principles into their actions. Students are then are asked to reflect on the day utilizing their new vocabulary.

'OHANA DAY FEEDBACK



My three kids arrive on Tuesday morning uncertain and a bit worried about their summer program and not sure if they would like it. The change we saw from each day was remarkable. They loved it, told me how much fun they had, how much they learned and observed, and they did not want to leave. They were so proud of the hard work they did and were so excited to share their knowledge with their parents, with their friends, with anyone willing to listen. We love the Nā Pili Wai program and hope it continues. Best Summer Program!

Mahalo!

Mahalo Nui! For this program. My girl had a blast and learned so much. I am glad to see educational programs like these that focus on stewardship, community, and responsibility. It was also great to have these hands-on and working experiences. We hope to see you again in years to come!

MAHALO! Kiercyn enjoyed herself so much. She learned so much about her culture. Thank you for allowing her to enjoy the benefits of the program and making new friends - Mahalo to the leaders that provided her security in knowing that she was safe - Aloha

Mahalo nui loa! The Loko Ea fishpond was very influential for my daughter. She came home everyday with new knowledge - and a new appreciation and awareness for the 'āina. Her connection became stronger. For example, she noticed the kukui nut tree in our yard and was able to teach her younger sister about how to extract the nut and then make a spinner out of it. She shared her knowledge of invasive fish and how important it is to catch them so they don't continue to populate and use up too many resources in the ocean habitat (or fishpond habitat). And she loved the balance of work and play. Holoholo was her highlight - just hanging out, passing time with new friends, and trying to hook da fish on her bamboo pole!

As a long-time educator, who continues to work with teachers to design curriculum, I was impressed at the seamless weaving of knowledge and practice, the transfer of responsibility and ownership to the students and the genuine care and support of the leaders. The students exhibited a palpable pride at helping to control invasive species in the fishpond, of harvesting ka/o and of helping to prepare the 'ohana meal. They truly felt a sense of community and commitment.

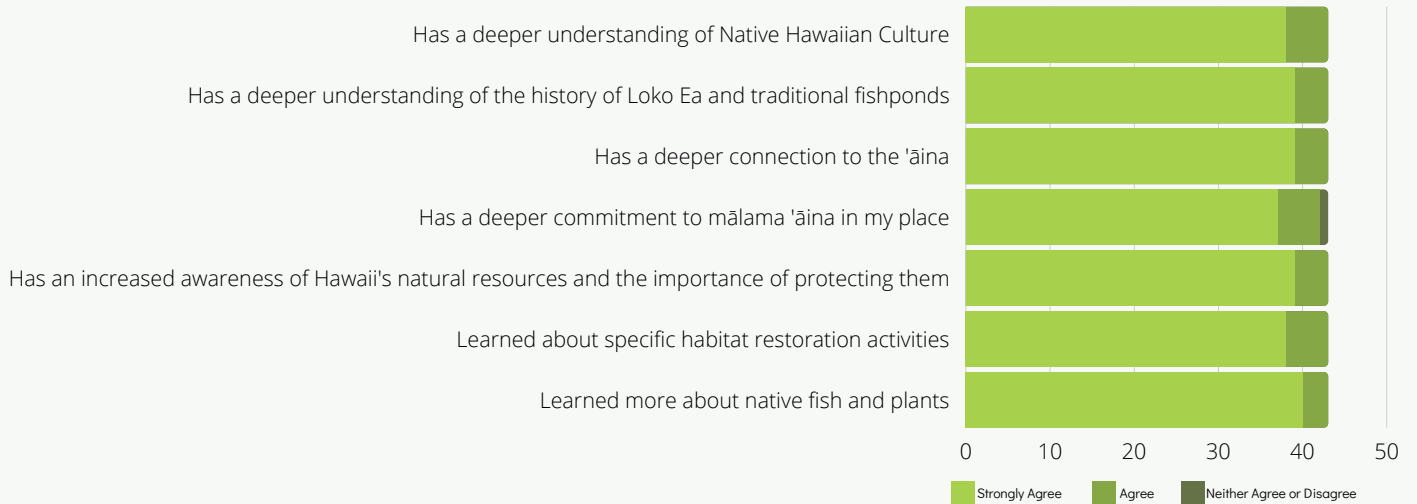
This Word Cloud is created with words shared by parents to describe their keiki's week at 'Ohana Day during the Nā Pili Wai Summer Program. The sizes of the words correlate with how often they were repeated.

Sample of quotes shared through post program feed back forms.

This 'Ohana feedback was gathered from 43 families who completed a post-program feedback survey at the end of each session during the Saturday 'Ohana Day. (a total of 65 families participated in the summer program).



After visiting Loko Ea Fishpond, my keiki ...



When parents were asked about their overall experience... All 43 families who completed the survey responded that they strongly agree with these statements:

- We are satisfied with our overall experience at Loko Ea.
- We would recommend Nā Pili Wai Summer Program to family and friends.
- We plan to return to Loko Ea.



Haumana Highlights

The opening chant

Our children catching fish and helping restore the fishpond

Loved the staff

Throwing net, making Haupia, going to the lo'i and pulling taro

KidS working on the land and learning to respect and love the aina

She really loved learning about the culture and loved to holo holo.

My children loved the family activities and connecting with other 'Ohana.

Working with others

Holoholo; food prep: imu, Haupia; getting in the water

Fishing and husking/shaving coconut

Making the imu and pulling the taro

Kids knowledge & enthusiasm ... excited to share what they learned

For us as parents, it was having our son come home full of excitement for learning about Hawaiian culture. For him, he loved it all but especially enjoyed holo holo and the kalo harvest. And the imu and sharing a very special meal.

learning about the history and the native Language

My Keiki enjoyed everything they did it's hard to choose. Preparation of the Imu and all the ono food was definitely all of their highlight of the week.

My son loved coconut husking and fishing.

Helping finish up the imu and opening it up the following day. Then eating the ono food

Natural resources

Fishing and food preparation

My keiki REALLY enjoyed making their own fishing poles

The friendly people

Our boys really enjoyed being able to get their hands, feet, everything dirty and get to work. Mahalo for giving them opportunities to gain independence in their learning and learn new skills throughout the week. They feel more connected to our moku and their kupuna. The Kim boys were in heaven and were so excited to share everyday what they learned and what they accomplished!

Weeding on 'Ohana day, eating the food out of the Imu, going in the punawai.

'Ohana day was amazing

Hearing the girls tell me about the native and invasive fish

Going in the lo'i and going holoholo

Everyday hearing my keiki at pick up reciting her new found knowledge and 'ohana day

Made great friends and learned so much about the land and culture

Doing the imu and prepping the Find and preparing the imu and fishing and clering the river and opening the coconuts and going to the lo'i kalo and harvesting the kalo and going in the fresh water and doing kilo in the morning and all the stuff

We keiki came home excited each day sharing knowledge of invasive vs native plants and animals. Husking coconuts was truly fun for them.

Closing of the imu

FINAL THOUGHTS

THE 'OHANA IS THE BASIC UNIT OF HAWAIIAN SOCIETY, SO BY STRENGTHENING THE 'OHANA WE STRENGTHEN THE LĀHUI.

-MARY KAWENA PUKUI

This summer's theme, Celebrating 'Āina Momona, was chosen in order to help haumana understand how we can learn from the past, a rich abundance of Waialua in food and Hawaiian culture, to create a sustainable future.

The connections that the keiki made throughout the summer have been nothing short of amazing. It is clear that this 'āina momona has been waiting for opportunities to educate and touch the lives of our community and youth. This program has shown great improvement in not only our impact on our community, but also the relationship they have with their 'ohana—families. We have seen keiki change throughout their short time with us, from being too shy to share in the beginning of the program, to being the first one in the pond when work needs to be done, and not wanting to leave at the end of the day. Keiki are proud to share their new knowledge and skills with their parents. These types of results cannot be expressed in words, but can be felt when seeing their character and personality change into a reflection of what this 'āina stands for; respect for our home, promoting our culture, and love for our 'ohana and community. It is a blessing to be part of this program, and would love for this to be an annual outreach opportunity for more keiki to enjoy in the future.

1. Our 'Āina Momona has boundless lessons to teach students and staff alike
2. Haumana are the best kumu for their parents
3. 'Ohana come alive working and eating together



NEXT STEPS...

With the generous financial support of Kamehameha Schools, Nā Pili Wai Summer Program will be able to continue in 2022. The following are next steps for Nā Pili Wai Summer Program:

- Lots of growing experiences for MLEF Staff and as an organization
- Grow more ingredients for next summer.
- Begin planning meetings for the 2022 summer by February.
- Begin recruiting students for summer programs in Spring 2022 by participating in outreach events and asking teachers, students and families, who participated in Nā Pili Wai to be advocates.
- Follow up with Nā Pili Wai alumni and their 'ohana track their progress.
- Create more 'ohana opportunities and encourage them to continue to grow and participating in other MLEF programs throughout the school year.
- Expand outreach to media (print, TV, radio, and social media) to promote Nā Pili Wai
- Raise more funds as needed to support the longevity of Nā Pili Wai Summer Program
- For 2022, expand Nā Pili Wai for younger grades K-2 sessions
- Expand summer internship and junior alaka'i program for high school volunteers and college interns to work with summer programs at Loko ea.
- Meet with and solidify partnerships for upcoming summer program. I Nui Ke Aho and Kokua Learning Farm are potential new partner sites.
- Collaborate with partners to continue to improve Nā Pili Wai and create positive impact for North Shore community.
- Actively pursue opportunities to share information about the Nā Pili Wai Summer Program via venues like conferences, trainings, and workshops to encourage more people to create programs like it to reach more people and places



MAHALO

KAMEHAMEHA SCHOOLS

KAIAULU—OUR NORTH SHORE COMMUNITY

MLEF STAFF AND INTERNS

NA MEA KUPONO PARTNER SITE

LOCAL AND PARTNER ORGANIZATIONS

CONTRIBUTORS AND DONORS



*We mahalo you for your continued support of
Mālama Loko ea Foundation*

Contact

Mālama Loko ea Foundation

PO Box 553, Hale'iwa, Hawai'i, 96712 | 808.637.3232

www.lokoea.org | info@lokoea.org

[@lokoeafishpond](https://www.instagram.com/lokoeafishpond)