



KA HONUUA MOMONA

MOLOKAI CLIMATE CHANGE COLLABORATION

*Bridging Climate Science and Traditional Culture to Prepare Molokai Fishponds
(and Other Coastal Resources) for Climate Change*

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Section I: Accomplishments

A. Major Goals and Objectives

The main goals of this project are to (1) Build a bridge between climate change scientists and traditional Hawaiian fishpond managers on Moloka'i; and (2) Catalyze climate change discussions in the Moloka'i community.

The primary objectives and methods of the project include:

1. Strategic Planning: Bring Hawaii's climate change scientists, Molokai's traditional fishpond managers, and other coastal natural resource managers together to share scientific and cultural knowledge about predicted ecosystem response due to climate change, and work together as a team to identify adaptive management strategies to protect two of Molokai's ancient fishponds. Method: Climate change workshops, kūpuna video, KHM Strategic Planning Process.
2. Partnerships: To create new, and strengthen existing, partnerships between scientists and cultural resource managers, so we can better respond to predicted ecosystem changes and protect cultural and ecological resources. Method: Climate change workshops.
3. Community Education: To start the community of Moloka'i thinking about how to respond to climate change, as individuals and as an island, by sharing what we have learned. Methods: Community meeting, revision of KHM's K-6 education curricula, media outreach.
4. Community Engagement Tools: To improve the ability of scientists to engage traditionally based communities to address climate change. Methods: Climate change workshops, development of community engagement protocol.

B. Progress Toward Project Goals and Objectives

These were the main project activities that occurred within this reporting period:

- 1) Hosted Molokai's first island-wide community climate change meeting
- 2) Conducted video interviews with five local kūpuna about how Molokai's landscape has changed over time
- 3) Created an engaging landscape change video that features the stories of our kūpuna
- 4) Worked with community members to create a draft Community Engagement Protocol for Molokai
- 5) Continued to share our results and lessons learned in various ways
- 6) Continued the work of our Molokai Climate Change Interim Task Force by implementing key collaborative projects identified in our workshops

Molokai Community Climate Change Meeting

In mid-July, Ka Honua Momona and the Molokai Climate Change Interim Task Force came together to host Molokai's first island-wide community-driven climate change meeting. Approximately sixty residents attended including many of Molokai's community and conservation leaders. The theme for the evening was "*Palena 'Ole Ke Aloha No Molokai Nui A Hina,*" reaffirming that our aloha for this island, Great Child of Hina, is truly without limit. In preparation for the event, a local artist created a design that captured our climate change theme. This design was used both in our advertisement in the Molokai Dispatch and on t-shirts printed specifically for our community meeting. Each person who attended the meeting received a free t-shirt and a hearty dinner featuring 100% local foods and bio-compostable dinnerware. We took great care in creating a meaningful and informative event while minimizing carbon emissions.

The community meeting featured presentations by both on-island conservation leaders and off-island climate change experts that educated residents about climate change impacts mauka to makai—with particular emphasis on how Molokai's rural, subsistence lifestyle will likely be impacted. Perhaps the highlight of our evening was the screening our Kūpuna Landscape Change Video that featured the stories of five of Molokai's most respected and beloved kūpuna. The film, approximately eighteen minutes long, weaves together kūpuna stories with a compelling narrative and stunning aerial videography of Molokai to portray a profound message—our landscape is rapidly changing, climate change is real and threatens our lifestyle and resources, we must take collective action now to ensure the resiliency of Molokai's land and people.

The formal portion of the evening ended with open discussion that focused on the question "what next?" There was a general consensus that our community would like to have more opportunities to engage in climate change dialogue and to engage in collaborative action. There was also a desire to see this message get out to more residents, and to get more people involved. Support from government entities and funders was also identified as critical to the long-term success of our island's future collaborative actions.

Molokai Climate Change Interim Task Force

The Molokai Climate Change Interim Task Force continues to move forward with a dedicated core group of individuals from multiple agencies and organizations. For now, this collaborative approach seems to be working well and we are not currently pursuing plans to create a separate entity (such as a nonprofit) with a climate change focus. One of the major accomplishments of the Interim Task Force has been successfully advocating for a climate change theme for Earth Day 2017. Molokai's annual Earth Day celebration is easily our island's most heavily attended event with thousands of resident showing up to participate in educational booths, and to enjoy good music, hula, and the chance to win phenomenal door prizes. Our Earth Day planning committee is 100% behind a climate change theme and has been enthusiastically planning out the celebration, which will include both pre & post events.

Another way in which we are exploring to help us achieve our goal to raise awareness and mobilize collective action on Molokai is to host an island-wide march in conjunction with the makahiki season. Initial dialogue with Molokai's 'Aha Kiole to sponsor such an event has been positive. We are hoping to see this island-wide aloha 'āina march happen in 2017.

One of the projects the Interim Task Force has undertaken, under the leadership of Paul Hosten (Kalaupapa National Historic Park), is to demonstrate landscape change through historical photos and photo retakes. Several of these paired photographs, especially those revealing positive change to the landscape as a result of conservation efforts, were shared at our community meeting. This helped us balance the "doom and gloom" aspects of climate change dialogue with the amazing potential we have to impact positive change on a landscape level.

Even as the funded portion of our work with the Pacific Island Climate Change Cooperative comes to a close, the true work has only just begun. Guided by the dedication and efforts of the core group of individuals that comprise our Interim Task Force, we will continue to move this work forward.

Molokai Kūpuna Interviews & Landscape Change Video

Project Director, Kauwila Hanchett, and Workshops Co-Facilitator, Ehulani Kane, worked in tandem to identify key kūpuna interviewees and to conduct video interviews in a culturally appropriate manner. Interviewees included Reynolds Ayau, Karen Joao, Penny Martin, Billy Akutagawa, and Viviane Ainoa. Ehulani interviewed kūpuna while Kauwila captured video footage using state-of-the-art equipment on loan from community partner, AKAKU. Interviews started by asking kūpuna to share their earliest recollections of Molokai's landscape as well as the lifestyle and values of their 'ohana during their childhood. Further questions asked them to reflect on how Molokai's landscape and resource abundance has changed over the course of their lives, as well as what changes they observed in their lifestyles and 'ohana with the advent of modern technology. Our interviews closed with asking kūpuna to share their innermost hopes, wisdom, and guidance for Molokai's future and the generations to come. Each interview was approximately 1.5 hours in length.

In addition to interview footage, KHM staff gathered additional video footage and photographs for the film. We were extremely fortunate to obtain professional-quality aerial (drone) footage from local videographers Mickey Pauole and Matt Yamashita at no cost, and to secure the support of another local professional videographer, Ruhi Zandra, to assist us with creating the film. Our partnership with AKAKU provided us with high-end equipment for capturing video and for editing/creating our final product. AKAKU is also providing in-kind support for our final stages of production, which include colorization and sound mastering.

The film was screen at our community meeting in July, and we have since incorporated feedback from our community and made additional edits. We have been on hold with our final production schedule due to a family emergency of our editor who returns from the

mainland on November 18, 2016. We plan to have the film finished by the end of the year and will be airing it on AKAKU, which broadcasts to all of Maui County (Maui, Molokai, & Lanai). We will also be contacting 'Ōlelo if they would be interested in airing for additional outreach to Oahu residents. We will also be making it available via our website and publishing DVDs for distribution to our community partners. Several copies will be sent to PICCC upon completion.

Molokai Community Engagement Protocol

We have completed a draft of our Community Engagement Protocol (CEP) that will provide a community-based perspective on the social expectations and cultural protocols involved in creating meaningful engagement with the Molokai community. Although this protocol will be place-based, we expect it to be universal in nature and easily adapted to other situations not only in Hawaii but also throughout Polynesia.

This has been a critical dialogue on Molokai for several years now. How do we ensure our interactions with individuals, businesses, and organizations from off-island are informed by our community's values and goals. The creation of a community engagement protocol has been more difficult than we anticipated. Rather than just putting something down on paper that reflects our understanding of how our community prefers to be engaged, we've participated in a more collaborative process with other community leaders and local residents from Molokai. The dialogue has not always been easy or clear, and it has taken time to understand the many layers involved in defining our unique "Molokai style." The group working on this Community Engagement Protocol has completed a draft that is currently being vetting by participants. Once this process is completed we will be embedding this piece into a larger document called *Molokai: Future of A Hawaiian Island*. The document as a whole will then be vetted through a larger community process. Once this is completed, we will share it out with the public by publishing the revised document on KHM's website and on the Molokai Dispatch's website.

Building New & Strengthening Existing Partnerships

Over the course of the project we have had the opportunity to build several new partnerships with other community organizations and to strengthen relationships with members of the scientific community. Three of the scientists that attended our workshops, Tom Giambelluca, Jim Jacobi, and Bradley Romine, presented at our community meeting. We will continue to rely on these three supporters along with Camilo Mora and Chip Fletcher to help guide our efforts as we continue to move forward.

We've also strengthened existing relationships between Molokai's resource managers and conservation organizations. Those individuals and organizations spearheading our Interim Task Force have had the most opportunity to build stronger connections (Ka Honua Momona, The Nature Conservancy, Kalaupapa National Historic Park, Kawela Plantation Homeowners Association, The Molokai Land Trust, and Sustainable Molokai). We've also forged stronger

partnerships and/or relationships with the Aha Kiole o Molokai, the Department of Hawaiian Home Lands, Hui Malama O Moomomi, Papahanakuaola, UH Manoa, Hawaiiinuiakea-LAMA, The Hawaiian Learning Center, and several others as a direct result of implementing this project.

C. Training & Professional Development

Our KHM staff continued to be trained by AKAKU in video equipment and production throughout our kūpuna interviews and the creation of our Molokai Landscape Change video. No other training or professional development opportunities have been offered related to this grant/project.

D. Dissemination of Results to Communities of Interest

As required, KHM has implemented our communications plan that outlines how the information and products being created as a result of this project were/or will be disseminated to communities of interest. Please see the table below:

Product	Disseminated	To Be Disseminated
Workshop Notes and Facilitators’ Reports	Within one month of the workshop date, to all program participants and forwarded to all interested parties	Facilitators’ Reports to be posted to KHM’s website by December 31, 2016.
Community Meeting Summary	PICCC Blog Follow up email sent to all workshop participants	PICCC Blog to be posted to KHM’s website with permission
Landscape Change Video	Screened at Community Meeting	To be aired on AKAKU, posted to KHM’s website, and copies sent to project partners upon completion (targeted December 31, 2016)
Oral Presentations	Hui Malama Loko I’a Gatherings PICCC Steering Committee E Alu Pu Gatherings	Will consider additional presentations as opportunity and resources permit
Community Engagement Protocol	Disseminated to core group of community members who have volunteered to participate for initial vetting	To be embedded into <i>Molokai: Future of A Hawaiian Island</i> community plan document after vetted by community (target release date: TBD) To be posted on KHM’s website and emailed to project partners, interested parties, and PICCC upon completion
Project Summary		Article to be printed in Molokai Dispatch in conjunction with Annual 2017 Earth Day event

E. Next Steps

Next steps for the project include:

- 1) Continue to convene our interim task force and implement items identified for collaborative action
- 2) Finalize Kūpuna Landscape Change video and air on AKAKU
- 3) Work with community partners to finalize the Community Engagement Protocol (CEP), vet with larger community
- 4) Continue to share our work in various venues as opportunity and resources permit
- 5) Continue to move forward on KHM's strategic plan to acquire mauka (upland) parcel for ahupua'a restoration
- 6) Continue to incorporate climate change awareness into KHM's educational programs
- 7) Continue to work with The Nature Conservancy to host a climate-change themed Earth Day event in April 2017
- 8) Seek additional funding to continue the work started with, or inspired by, this project

We have continued to reflect on lessons learned through this project. At the beginning of this endeavor, we were not sure what to expect. Perhaps this might also reflect PICCC's perspective at the onset of the *Molokai Climate Change Collaboration*. We are grateful for the opportunity that this funding provided to start this critical conversation within our small, rural Hawaiian community. The dialogue has been rich and we have learned so much along the way. The investment you have made in our community has made a lasting impact as our individual and collective understanding has increased. This greater awareness is directly linked to our personal and collective responsibility to take action.

Perhaps this is one of the greatest benefits of investing in community-based organizations and ultimately in local people with deep ties to the land; we are permanently invested in this place and this community. The resources at stake are those that feed our families, and will continue to feed our grandchildren, great grandchildren, and the generations to come. This sense of *kuleana* ensures the work that has been started will continue. Mahalo again for helping us care for Molokai Nui A Hina and better prepare for continued stewardship in a rapidly changing environment.