



Mālama i Ka Honua Cherish the Earth

A Quarterly Journal of the SIERRA CLUB OF HAWAII

JANUARY - MARCH 2014

Sierra Club of Hawai'i Timeline 2003-2013



Ho! What you think you can harbor that bugga here!?

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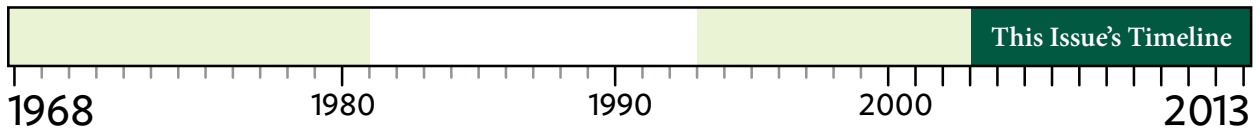
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Sierra Club Hawai'i Historical Timeline



As the Chapter celebrates our 45th year we are highlighting some of the many good works volunteers have accomplished through the decades in a historical timeline. This is the fourth installment, covering the decade since 2003, during which two extremely talented Directors led the Chapter to some landmark victories and all the Groups had significant triumphs. We consider this a draft, to which we welcome your input. We will put the timeline up on the Chapter website and continue to add actions, campaigns, and victories, as well as challenges that persist. Please send any comments, corrections, photos, and stories to Mālama editor Phyllis Frus, phyllisfrus@sierraclubhawaii.com. *Special thanks to Annette Kaohelaui'i for her contributions to the timeline of the first 45 years.*

2003

- Sierra Club members are subject to blacklisting and denial of entry into Pohakulea training area on the Big Island by its base commander because of their "public expressions unfavorable to the Army."
- The Environmental Protection Agency honors Chapter Director Jeff

Mikulina with an Environmental Hero award for his efforts in passing the bottle bill.

- An attempt by Governor Lingle to repeal the bottle bill passed in 2002 fails when neither legislative body holds hearings on the container deposit program.
- Judge Ronald Ibarra's ruling that Oceanside 1250 (Hokulia) project

near Kealakekua is an illegal use of agricultural land not only puts the brakes on a destructive development in South Kona, but also exposes the fiction of luxury "agricultural" subdivisions statewide.

- A unique management agreement is reached with the developer of a resort project on the Kohala side

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FROM THE DIRECTOR'S DESK

Forty-five years of amazing history. That's how many years the Sierra Club has been operating here in Hawaii. In some ways it seems too short a period of time for all the successes we've had.

From protecting the Palila bird from extinction, passing some of the strongest clean energy standards in the United States, to taking thousands of young leaders out hiking and exposing them to the beauty of Hawai'i (that's how my environmental career started, by the way), we have a lot to celebrate and be proud of.

While I should talk about all the amazing people and events that have helped shape the Sierra Club, anniversaries typically make me think of the future. What will the next 45 years look like? Plainly, one lesson we've learned is that environmental

What makes a victory more permanent? I'm not sure I have the complete answer, but I believe a part of the solution is to ensure that the victory resonates with the public so much that no one wants to tackle that issue again.

victories in Hawai'i can be fleeting. For example, even though we recently convinced the Legislature to repeal the Public Lands Development Corporation (PLDC), it's almost a sure bet that polluters and big developers will continue to try to erode laws intended to protect public oversight. If we don't remain vigilant and continue to educate people on the importance of protecting Hawai'i's natural beauty, all our victories will be quickly undermined.

What makes a victory more permanent? I'm not sure I have the complete answer, but I believe a part of the solution is to ensure that the victory resonates with the public so much that no one wants to tackle that issue again.

True organizing leadership—making sure many people are speaking with the same voice, following strategic and tactical efforts to mobilize—is not easy. This becomes more obvious as the underlying issues become more complex.

The Internet is making some aspects of organizing easier. Social media allow hundreds or perhaps thousands of people to meet one another and coalesce around shared interests. For example, dozens of highly engaged volunteers from all around the state gathered organically on Facebook to battle the PLDC. There, they planned activities and figured out messaging as true equals with relatively little formal or structured oversight. It was this group of people—for example, protesting at Governor Abercrombie's fundraiser—that I believe made the biggest difference in changing minds about the PLDC.

It's easy to predict that the Internet and other technologies will make organizing even easier in the future. The Internet doesn't eliminate the need for strategic thinking and deeper relationships, however. I hope that's a role the Club can provide over the next 45 years: tying together our ability to mobilize online, as well as our ability to create opportunities for lasting friendships. Think back on the folks you've met on a hike or while participating in an event, or even talked to about supporting good policies. That's the foundation of the Sierra Club, and one that I hope we continue to build for the future. And if you haven't met someone this way . . . well, then, get with the program!

I can't end this column without making two suggestions. First, please take a look at the 45-year timeline that our editor, Phyllis Frus, and many other volunteers have spent a tremendous amount of time putting together. The fourth installment is in this issue. The whole will soon be available on our website at sierraclubhawaii.com; it will also be mailed to select members.

Second, please consider giving at least \$45 in honor of 45 years of history the Club has had in Hawai'i. It's your support, after all, that has allowed us to accomplish so much. Please help build the foundation for the next 45 years of environmental education, advocacy, and leadership. Donations can be made at sierraclubhawaii.com/donate.

Happy trails and happy anniversary, Sierra Club!
— Robert

Please consider giving at least \$45 in honor of 45 years of history the Club has had in Hawai'i.
Donations can be made at sierraclubhawaii.com/donate.

Timeline

Continued from page 1

of Kaloko-Honokohau National Historic Park on the Kona Coast. The compromise mandates creation of a public park at Kohanaiki, or “Pine Trees,” alongside the resort being developed. Kohanaiki has been a popular surfing and camping spot for generations, and the development was bitterly fought by community activists seeking to protect the rights of native Hawaiians. The park opened in 2013.

2004

- Sierra Club wins a major victory when the First Circuit Court reverses the Land Use Commission’s decision to reclassify hundreds of acres of agricultural land for Castle & Cooke’s Koa Ridge development because it has not done an Environmental Impact Statement.



One of many chapters of the Koa Ridge saga.

- The rapid growth of the cruise ship industry in Hawai‘i prompts the Sierra Club to support legislation to set quantifiable pollution limits for wastewater from cruise ships.
- The Sierra Club asks the Army to redraft the Environmental Impact Statement for the Stryker Brigade expansion plan in Hawai‘i, calling the 3-volume, 1,000-page draft EIS incomplete.
- The Hawai‘i Tourism Authority Natural Resources Advisory Group, on which the Chapter Director sits, recommends funding portable bathrooms, on-site rangers, and boundary marker buoys in Alihi-Kinau Natural Area Reserve on

Maui. Unresolved has been the illegal commercial activity in this, the only marine NAR in Hawai‘i.

- Honolulu City Council approves the majority of funding necessary for implementing an island-wide curbside recycling program.



‘Iao enjoys restored stream flow on Maui.

- Sierra Club is one of several Maui community groups petitioning the state to restore stream flows in Na Wai ‘Eha (‘Iao, Waikapu, Waiehu, and Waihee streams) in Central Maui, known as the “Four Great Waters.” Their effort would bring back natural flows, native stream life, and habitat to Maui’s legendary streams. In 2012 the Hawai‘i Supreme Court ruled in favor of the groups, saying that the water commission should further pursue alternatives to draining the streams, such as using non-potable wells and recycled wastewater.

2005

- In support of Sierra Club’s Blue Water Campaign, Kona Brewing Company sponsors the first annual Blue Water Challenge with exciting one-person rudderless outrigger canoe sprints at Koko Marina on O‘ahu.
- The Legacy Lands Act, landmark legislation that creates a designated source of funding to purchase coastal lands, watersheds, and wild areas, passes the legislature. The bill increases funding for Natural Area Reserves and for affordable housing. The act creates a mechanism—an increase in the conveyance tax for high-end and

speculative real estate transactions—to fund the Land Conservation Fund within the state DLNR.

- Mālama Maha‘ulepu, an organization on Kaua‘i supported by a Sierra Club grant, receives an Environmental Achievement Award from the EPA for its exceptional volunteer work and commitment to enhancing and protecting the quality of the environment.
- The Hawai‘i Superferry begins to raise many questions for residents. The County Councils of Kaua‘i, Maui, and Hawai‘i as well as the Sierra Club request that the state Department of Transportation do the research and get some answers to the questions they have about the project through the EIS process.
- O‘ahu Group volunteers move a mountain of gravel to restore the Mānoa Falls Trail in a project supported by the state Department of Land and Natural Resources.



Gravel does not move itself...

- A coalition of community groups including Sierra Club prevail in a lawsuit challenging the state Board of Agriculture’s approval of a project to mass-produce potentially dangerous genetically engineered algae on the Kona coast of the Island of Hawai‘i. A circuit court judge agrees with the citizen groups that the Board was required to comply with the environmental review process before approving the project.

2006

- The Club’s long advocacy for curbside
- Continued on page 6*

FROM THE CHAPTER CHAIR

By Roberta Brashear-Kaulfers

Aloha, everyone, and wishing you a happy, healthy, and prosperous New Year.

Mahalo to our Hawai'i Chapter Executive Committee members, Chapter Director Robert Harris, our membership and volunteers. Your continued support has enabled the Hawai'i Chapter to address many significant environmental challenges to help protect our special places.

We have been celebrating 45 years of outings and environmental successes but are not resting on our laurels; there are even bigger challenges ahead. As we begin the 46th year of the Hawai'i Chapter we welcome the assistance of Caitlin Pomerantz, our new conservation program coordinator. With her expertise, we will continue to organize our volunteers involving clean energy initiatives as well as other conservation issues that directly affect us here in Hawai'i.

National Sierra Club priority campaigns include the Beyond Coal campaign, whose goals are to sunset old coal power plants and prevent the construction of new ones. This well-funded priority has been very successful. The Beyond Oil campaign and Beyond Natural Gas are focusing much of their resources on fighting the Keystone pipeline and establishing policies against fracking for natural gas. Similarly, fracking issues are already being discussed in Hawai'i for geothermal expansion. The newest priority, Our Wild America, encompasses protection of our wild areas, critical habitat, and forests.

The 2014 legislative session begins in January, so check out the Capitol Watch website to get involved and stay current on environmental issues. The Hawai'i Chapter has started a PAC (Political Action Committee) to help raise funds to support good local environmental candidates. Our political team will be working especially hard this year, screening candidates for endorsement at the county, state, and national levels. If this is your niche, please volunteer.

The Hawai'i Chapter is looking for a few good volunteers with fundraising and capacity-building experience. If this is your forte, we would love to have you aboard.

Make this the year when you personally become more involved. Join us on Facebook and Twitter, become a monthly pledge donor, or an outing leader. Join the Capitol Watch team, and make an end-of-year donation.



MĀLAMA I KA HONU
Cherish the Earth

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Volunteers in the Spotlight



O'AHU GROUP

Lisa Grandinetti

Young activist against sprawl

Lisa Grandinetti has canvassed for the Sierra Club and testified at Council meetings. But her passion became clear last time the O'ahu Group campaigned door-to-door against the Koa Ridge monster sprawl project: she brought her entire family, even press-ganged her sister's boyfriend visiting from Australia!

Born in Waikele, raised in Mililani, Lisa's a freshman at UH Mānoa, majoring in ethnic studies and economics, which she hopes leads to a career in social justice work. Her engagement started young: she contacted the Sierra Club looking for volunteer opportunities as a high school junior and began to testify at hearings. Now she's a true activist—bad news for exploiters but good news for the environment.

She says, "I became involved in the Sierra Club because I saw Koa Ridge as yet another relentless effort to destroy the beauty and sustainability of Hawai'i. It epitomizes many of the problems we face - rooted in control of our resources by mainland corporations. Castle & Cooke promises jobs and housing, but the jobs will be short-term construction or low-wage service jobs, and the housing won't be truly affordable. Developing Koa Ridge will take an enormous toll on our capacity to be sustainable. And the immense increase in traffic will make it much harder to

enjoy this place we call home."

Lisa is concerned about the bigger issue of local people's complete loss of power. "Koa Ridge is one of countless examples of how Hawai'i's people have no control over what happens in their lives and with their resources. When I realized the extent to which we have lost political power because our voices aren't heard over the noise of corporate funds, I became involved in the new AiKea movement: we're determined to unite Hawai'i's people beyond single-issue campaigns. We all have the same enemy: big money. We must stop fighting amongst ourselves because we can't win separately."

Lisa encourages fellow students to get active and involved now, "because banks and developers aren't going to wait until we graduate to wage a war on Hawai'i's people."



HAWAI'I CHAPTER

Phyllis Frus

Editor, Mālama I Ka Honua, since January 2012

When she retired from HPU after 25 years of teaching English, Phyllis Frus was a shoo-in for the editorship of the Mālama. Not only does she know her grammar P's and Q's, but she had been trained to fix up academic writers' prose as copy editor for McGraw-Hill, a textbook publisher. For the Spotlight Robert asked her a few questions; as usual, Phyllis edited them.

How did you get involved with the Sierra Club?

I had hiked regularly since coming to Honolulu in 2001, and so I read the *Mālama* and admired it. It didn't seem to have an editor, and I marveled at how it got put together without one. When I called to volunteer in the office, Jen Homcy and Robert saw my potential. They didn't want a résumé; Robert said, "You had us at English teacher."

What does the editor of the Mālama do and why?

The most important thing, I've been told, is to free up Robert to do more important things than pester Group leaders to turn in their reports and outings schedules, which I'm happy to do. Then comes the editing, the purpose of which is for the reader not to notice anything; finding typos and stumbling because a word is missing makes us wonder how much care the writer took with the facts. Then I get to work with designer Geoff Moore on the layout—to make sure everything fits—and proofread it.

They didn't want a résumé; Robert said, "You had us at English teacher."

What is most gratifying about being editor?

Keeping up with the Club's campaigns, meeting the volunteers who contribute reports and schedules; working with Annette Kaohelaulii on the timeline.

How would someone go about joining the Mālama staff?

Email me at phyllisfrus@sierraclubhawaii.com, especially if you can help with an e-newsletter or blog so we can update readers between issues. Material is due for print a month before the issue is mailed. A co-editor and I could commission timely articles rather than editing it all in 2-3 weeks each quarter.

Timeline

Continued from page 3

recycling results in a Charter amendment passing overwhelmingly, with 81 percent of those voting on the amendment in support.



Curbside recycling becomes a reality in Honolulu in 2006.

- Sierra Club, Maui Group is one of the authors of a critique of HECO's proposed palm oil feedstock plan, along with local and national organizations. It was signed by many countries and groups; the Public Utilities Commission rejected the contract.
- Fulfilling the plan for a marine sanctuary designation announced when the NWHI Coral Reefs Ecosystem Reserve was created in 2000, President Bush establishes the Northwestern Hawaiian Islands National Monument, the largest single fully protected area in the United States and the world's largest fully protected marine area.

2007

- Capping a Sierra Club-led grassroots campaign, the Hawai'i House and Senate pass a landmark measure to reduce the state's contribution to global warming, the Global Warming Solutions Act. The law, which makes Hawai'i the second state (after California) to set a statewide pollution cap, mandates that statewide greenhouse gas emissions be reduced to 1990 levels by 2020.
- In November, the City and County of Honolulu launches curbside recycling with pilot programs in Mililani and Hawai'i Kai; islandwide implementation is completed in May 2010. In an evaluation completed in November 2011, the program was pronounced successful with

a green-waste capture rate of 77 percent, which, though there is room for improvement, is comparable to matured programs.

2008

- To demonstrate to international leaders meeting in Honolulu how vulnerable Hawai'i is to global warming, volunteers participating in the Hawai'i Blue Line Project draw blue lines and use blue tape to mark the streets showing where the coastline would be if the ocean were to rise by 1 meter.
- SB 644 passes, requiring every new roof to have a solar installation.
- Robert D. Harris is named Executive Director of the Hawai'i Chapter.
- The County of Kaua'i adopts an ordinance for shoreline setback that is the strongest in the state (and likely the nation). The new law requires dwellings to be set back 70 times the annual coastal erosion rate plus 40 feet. This aims to protect coastal structures against 70-100 years of erosion.

2009

- After years of legal challenges by the Sierra Club, Maui Tomorrow, and the Kahului Harbor Coalition, the Hawai'i Supreme Court rules that the law produced by a special legislative session in 2007 that allowed the Hawai'i Superferry to operate while an environmental impact statement



Superferry docking denied at Kaua'i.

was conducted is unconstitutional. The ruling requires the company to suspend its O'ahu-Maui service and soon forces it out of business.

- Hawai'i passes the most aggressive renewable portfolio standards in the world, requiring 25 percent of our electricity to come from renewable energy sources by 2020 and 40 percent by 2030. The state also establishes an energy efficiency portfolio, requiring 4,300 gigawatt hours of electricity savings by 2030.
- Hawai'i adopts some of the strongest electric vehicle policies in the U.S., including requiring publicly accessible parking lots to have dedicated parking spaces with electric charging units.

2010

- The Club and its allies reach a settlement to a lawsuit, brought in 2004 under the Clean Water Act, that requires the city of Honolulu to retrofit its sewers during the next ten years. The city must designate more than \$1 billion for upgrades to its two main sewage treatment plants and repair or replace more than 1,000 miles of sewer line.
- President Obama issues an Executive Order establishing the National Ocean Policy (NOP), which improves ocean management by setting up nine national objectives and a strategic action plan for each. The policy's provisions had been shaped in part by Sierra Club activists, including Dave Raney, who served as chair of the Sierra Club Coral Reef Working Group and Marine Action Team.
- With the adoption of a "food and energy security fee," nicknamed the "barrel fee," Hawai'i becomes one of the first states to tax one of its largest fossil fuel sources—oil—to fund clean energy. Similar to a carbon tax, the bill levies a \$1 fee per barrel of oil to fund energy efficiency projects and develop renewable energy.

2011

- The Chapter establishes Capitol Watch, a team of volunteers who monitor, report, and advocate on statewide environmental legislation, cementing the Sierra Club's reputation as the most effective environmental lobbying organization in the state.
- The Sierra Club successfully leads the charge to stop an effort to automatically approve all business permits, licenses, and applications within thirty days (meaning projects could be approved without consideration of the merits of the project).
- Sierra Club successfully obtains a Hawai'i Community Foundation Grant and hires Jennifer Homcy to serve as a volunteer coordinator assisting the High School Hikers, Hawai'i Service Trip, and Outings programs.

2012

- Hawai'i becomes the first state to ban plastic bags statewide—despite the last-second defeat of a bill that would have levied a statewide fee on all throwaway bags, plastic and paper, intended to protect the state's fragile watersheds. The City and County of Honolulu joins three other counties in enacting the ban, which goes into effect in 2015.
- The Sierra Club's Marine Action Team receives an Activist Network grant to promote implementation of the National Ocean Policy in Hawai'i and the Pacific Islands planning region.
- Deborah Blair receives the first Geraldine Cline Award, given to an outstanding Chapter or Group leader,



Deborah Blair receives the first Geraldine Cline Award.



Railroading Paradise shows at the Honolulu International Film Festival.

for regularly leading service outings, including three-day Neighbor Islands service trips.

- Sierra Club launches a campaign to repeal the Public Lands Development Corporation (PLDC), including launching the **GrandTheftAina.org** website and organizing door-knocking in key districts statewide with dozens of coalition partners.
- The Sierra Club of Hawai'i launches a state Political Action Committee and targets five races in support of an environmental champion or in opposition to a terrible candidate. The Sierra Club successfully “wins” four out of these races (but considers the fifth a victory anyway, as a strong anti-PLDC message was sent).

2013

- The Public Lands Development Corporation is repealed, just two years after it was established.
- *Railroading Paradise*, a documentary film co-directed and written by Anthony Aalto, shows at the Honolulu International Film Festival. It details both sides of the rail controversy by focusing on the O'ahu Group's decision about whether to endorse the pro-rail or anti-rail candidate in the 2012 mayoral election. By interviewing figures on both sides and delving into the history and politics of development

in Hawai'i with archival footage, the film provides a broader context for the debate over rail. It takes up the issues of population growth, smart development, global warming, and whether life in Hawai'i is sustainable for the poor and middle class.

- Based on the Sierra Club's legal challenge, a circuit court temporarily stops the proposed Koa Ridge development, a large urban sprawl project in central O'ahu, because of procedural problems with the vote. Other legal challenges continue. The Sierra Club also launches a “**SaveKoaRidge.org**” website and radio ads asking people to sign a petition urging the City and County of Honolulu Council to vote against the proposed rezoning.
- The Sierra Club launches a legislative campaign and files a lawsuit to protect Hawai'i's solar tax credit from immediate cuts, while attempting to create a mechanism where the credit is reduced gradually over time.
- A article is published noting the increasing strength of the environmental movement and the Sierra Club in particular. John Radcliffe, local lobbyist and member of Abercrombie's transition team, calls the Sierra Club “the most powerful lobby in Hawai'i.” He continues, “They dictate environmental policy in Hawai'i today.” ■

The Transformation and Disruption of Our Electrical Grid

By Robert Harris

We are in the midst of a transformational change in how electricity is produced and sold. With the advent of technology, changes are happening more and more—think about the invention of Apple's iPod and the subsequent loss of record stores—and yet these radical transformations are still stunning when they occur. It's an art to understand when these changes are coming. And it's incumbent on us to ensure that we maximize the benefits of these changes, and minimize the harm.

Today it is cheaper to purchase photovoltaic (PV) panels than it is to buy power from our utility. That is a terrific result. Last year Hawai'i generated more than 300 megawatts of new PV energy - more than every year in the past combined. This means tens of thousands of customers are getting relief from the most expensive utility bills in the United States. Then, too, 26 percent of Hawai'i's construction jobs were created in the PV industry. That bears repeating: 26 percent of all construction jobs. That is unprecedented. Approximately 6 percent of HELCO's entire customer base have switched to PV.

The success of the solar industry is particularly timely when we're contemplating the catastrophic impacts of climate change. We've recently seen the devastating impacts of storms—like Hurricane Sandy and Typhoon Haiyan—which scientists say will occur more frequently in the future. Here in Hawai'i, scientists have recently projected wildly rising temperatures, meaning we'll likely face a future where heat strokes and heat exhaustion become more frequent public health hazards. This doesn't even consider the impacts of a rising coastline caused by sea level rise.

But the situation with solar isn't all sunshine. On Maui, 100 percent of the daily minimum load has been reached on nearly every circuit. The Big Island

isn't far behind. O'ahu is racing to catch up. As a result customers are being told that no additional PV will be allowed to be grid-connected unless they pay for circuit improvements. And by the way, those improvements could take 12-18 months, or possibly never even occur.

While the HECO companies are imposing an artificial limit, it is clear that we are starting to reach true technical limits on what can be installed based on the current grid system.

It's likely that two scenarios will come to pass in the next six months. First, we could see a drastic collapse of the solar industry. Businesses simply can't sustain a shutdown for a year or two while our grid is modernized. National headlines will talk about how the solar industry is unsustainable, and a precedent for the failure of renewable energy will be set.

Or it's more likely that we'll see the start of a mass exodus of people from the grid. Major companies are already starting to advertise "off the grid" battery options that would allow customers to say goodbye to their utility. Some theorize this would be the start of a death spiral, where fewer and fewer people would be left on the grid and left paying increasing costs to sustain an archaic grid system.

Neither scenario is ideal. I posit we need to see a major frame shift, where our utilities are directed to build a robust, modern grid and compensated for reducing overall rates for all ratepayers, as well as for the amount of renewable energy brought onto the grid. Solar customers would pay reasonable costs for maintaining a grid, but less than the cost of buying batteries and going "off grid."

This will not be easy. Utilities are currently rewarded for conservatism, and cautiousness. They are not built for transformational change. To build a modern grid of the future, we need

to overcome policy, economic, and technical hurdles. Even though it appears that most stakeholders—the PUC, legislators, and even our utilities—agree in concept, the scale of the issues in front of us is daunting. Not to mention the speed at which the market is moving, which means that we have a fairly short window of opportunity.

Let me mention one possible loose cannon. Many established players are relying on the possibility of LNG to help reduce electrical costs, and possibly compete with renewable energy. They envision replacing all our existing oil-burning plants with LNG. I suggest they are mistaken. They assume we can buy LNG at bargain rates usually reserved for major purchasers. Hawai'i's energy demands are simply too small. It's far more likely we'd purchase energy on the spot market, meaning we'd compete with other world markets like Japan. Under this scenario, it is unlikely we'd see any significant cost savings but instead lock ourselves into another decade of fossil fuel addiction. We cannot allow this to happen.

LNG is also called a bridge to the future. We should demand this bridge be explained. Let's look before we leap. If we cannot accurately detail how Hawai'i will someday move to 100 percent renewable energy, then perhaps we're not ready for this investment. It's quite possible that the cost of infrastructure changes for LNG would be better invested in building the clean energy future of tomorrow, today.

And I can't miss the opportunity to note the irony of damaging other people's property far, far away with the use of fracking so that we can burn LNG. That isn't the type of aloha that Hawai'i is known for.

Adapted from an address at a recent Honolulu event for Sen. Russell Ruderman.



Planting Native

by Rick Barboza

'Oha

Delissea rhytidisperma

Endemic: Kaua'i only

Description: This is a type of native lobelia (family Campanulaceae) with herbaceous stems that sometimes branch. It also has a rosette-type arrangement of leaves that cluster toward the tips of the branches and curved tubular flowers. Each leaf is elliptical in shape, about 4-10 inches long and 2 inches wide with margins that are pointedly serrated. The flowers are whitish-green and about 1 ½ inches long; they fade to a dark maroon before falling off. The petals are small, pointed, and narrow, and the stamen is situated so that it perfectly dabs pollen on the head of native nectar-feeding birds so that they can pollinate other flowers in return. This flower design is common among native lobelias that have co-evolved with native avifauna. Once pollinated, the flowers develop into small, fleshy fruit that are dark maroon, about ¾ inch round, and filled with many tiny seeds.



Distribution: This plant species belongs to an endemic genus of native lobelias known as *Delissea*. It is also an endangered species that is found only in remote mesic forests of Kaua'i. There are fewer than 20 plants known to be left in the wild.

Cultural Uses: There are no known cultural uses of this particular plant, but other members of this family were used as bait to catch birds. Birdcatchers would place sticky glue made from the fruit sap of papala kepau (*Pisonia spp.*) on the branch that the bird would perch on to feed; it would then become stuck to the branch, making it easy to retrieve. The flowers of many other species

of the family Campanulaceae are also used in making lei.

Landscape Use and Care: 'Oha look great as specimen plants around larger landscaping stones or at the base of other larger trees or tall hapu'u ferns. Plant them in filtered sunlight and give them water about 3-4 times a week, making sure not to oversaturate them. Before you know it, you will be gazing at their interesting flowers and attractive fruit. Watch out for mites and mealy bugs that may occasionally distort the shape of the leaves and make them either spotty or crinkly or both. You can treat the problem manually by smooching them with your fingers or spraying the underside of the leaves with water or pesticides.

Extra Information: Recently this plant has been divided into two separate species, *D. rhytidisperma* and *D. kauaiense*, based on morphological differences and population localities. These two along with *D. subcordata* of O'ahu (which may also be split soon) are believed to be the last three surviving species of ten species of *Delissea* that were once documented from Hawai'i. Both Kaua'i species are listed as endangered and the O'ahu species is listed as threatened; all are on their way to share the same fate as the rest of the *Delissea* genus if more action is not taken to prevent it.



Explore, enjoy and protect the planet



Moo-ve to End Factory Farms

America's water, rivers and lakes are at risk from giant, corporate-owned factory farms which are fouling our water with pathogens and chemicals. Factory farms are also the largest source of toxic ammonia air pollution in the U.S. The Sierra Club opposes all permits for new or expanded factory farms. Support Sierra Club's efforts to keep our water and air clean.

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Limited Income	<input type="checkbox"/> \$ 25	<input type="checkbox"/> \$ 35

Contributions, gifts & dues to Sierra Club are tax deductible; they support our effective, citizen based advocacy & lobbying efforts. Your dues include \$ 7.50 for a subscription to SIERRA magazine & \$ 1.00 for your Chapter newsletter.

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Sierra Club, PO Box 421041
Palm Coast, FL 32142-1041

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Nate's Adventures

Kamehameha Butterflies in the Koa Forests



by Nate Yuen

This past summer I hiked to the koa forests of O'ahu and Hawai'i Island to look for Kamehameha Butterflies (*Vanessa tameamea*), one of only two butterfly species endemic to the Hawaiian Islands. Its Hawaiian name is Lepelepe

o Hina, although it is sometimes called "pulelehua," which is the generic term for butterflies. The Kamehameha Butterfly is the official Hawai'i state insect.

Although Kamehameha Butterflies are not on the federal list of endangered species they are rarely seen in areas where humans live. You need to hike deep into the mountains to find them. And if you are lucky enough to see them, they are often reluctant to open their wings to show the striking orange, black, and white pattern on the topside of their wings. They often tease you by flapping

their wings, giving you a momentary glimpse of the spectacular sight.

Kamehameha Butterflies have a wing span of about three inches and have thick hairy bodies. You can tell gender by the white dots on the margins of the upper wings. If all the dots surrounded by black at the tip of the upper wing are white, the butterfly is female. If several are light orange, the butterfly is male.

The life cycle of Kamehameha Butterflies are tied to mamaki (*Pipturus albidus*) and other native Urticaceae (*Touchardia*, *Urera*, etc.). Females lay

You can tell the gender of Kamehameha Butterflies by the white dots on the margins of the upper wings. If all the dots surrounded by black at the tip of the upper wing are white, the butterfly is female. If several are light orange, the butterfly is male. The Kamehameha Butterfly with its wings wide open below is male. The one with partially open upright wings below at right is female.



eggs on these plants and caterpillars feed on their leaves before pupating and transforming into butterflies.

Like all butterflies, Kamehameha Butterflies have four wings—two upper and two lower. One of the cool things about them is that they camouflage themselves by covering their colorful upper wings with the drab backside of their lower wings. Only when they want to be conspicuous and attract attention do they open their wings to reveal the bright orange and black pattern on the topside of their wings.

Kamehameha Butterflies feed on the nectar of a wide range of flowers and on the sap of koa trees (*Acacia koa*). While searching the koa forests we found a sap flux, a wound or injury to the tree that causes sap to ooze out. We observed Kamehameha Butterflies return to the same spot time after time. When we looked closely, we could see they were feeding.

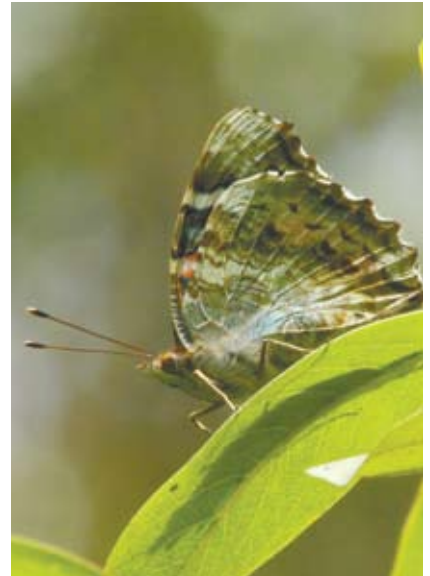
More male Kamehameha Butterflies congregate at koa fluxes than female, perhaps because females are preoccupied looking for suitable egg-laying sites and have less time to spend at the sap flux. We saw a dozen Kamehameha Butterflies—almost all of them male—uncurl their proboscis, stick them into the holes, sip on the sweet sap, and flap their wings. Flies, beetles, and other insects were drawn to the spot to feed on sap as well.

Many butterflies appeared at the sap flux and chased each other around the treetops. When the bacteria in the sap ferment, an intoxicating bubbly ooze is sometimes produced. Kamehameha Butterflies get drunk from the brew and males get aggressive with each other.

To see more of Nate's Kamehameha Butterfly photos, go to hawaiianforest.com/kamehameha-butterflies-in-the-koa-forests



From time to time, the butterflies came down from the treetops and posed for us on lower branches.



They can easily camouflage themselves by covering their colorful upper wings with the drab backside of their lower wings.



Kamehameha Butterflies are so fast and their flight path so unpredictable that it is only by pure luck that I was able to catch one in mid-flight.

Nathan Yuen is an artist/photographer/naturalist whose body of work is a confluence of hiking, conservation, and fine art photography. Each weekend you can find him hiking, backpacking, or kayaking to out-of-the-way locations to photograph Hawai'i's native plants and animals, many of which are rare or endangered. His goal is to showcase these biological treasures to give you a reason to protect them for future generations. Nathan has a website at HawaiianForest.com, where you can see his art and read about his adventures.



Koa Ridge—It Isn't Over Yet!

Our big news is unfortunately bad news. The Honolulu City Council unanimously voted to approve—and Mayor Caldwell rushed to sign—zoning approval of the first phase of the Koa Ridge development. The sprawl plan will put 3,500 homes on our second biggest food farm, creating an unbroken stretch of urban development from Honolulu to Wahiawa and adding probably 7,000 to 10,000 cars to H2 every day. It's madness.

But the battle is not over. Our attorney Eric Seitz is pressing our lawsuit in which we allege that the Land Use Commission violated the constitution in allowing the Koa Ridge lands to be reclassified as urban. We have won three times in court on Koa Ridge, so there is hope yet.

Some good has definitely come from the latest phase of this campaign: the effort to persuade the council to deny the zoning change proved to be a very useful opportunity for capacity building. We ran a one-week, drive-time radio advertising campaign that directed listeners to a petition that went to all members of the council. That effort garnered nearly 1,700 signatures, many of them coming from non-Sierra Club members, which provides us an opportunity to recruit new members. We went canvassing in two council members' districts, knocking door-to-door. That brought out some very enthusiastic volunteers whom we had not seen before, and we hope to encourage them to become a new generation of environmental activists and leaders. We published an op-ed in the *Star-Advertiser* and generated extensive media coverage on TV and in *Civil Beat*. And the campaign helped us raise a number of substantial donations. All this should help us continue to build

up the strength of the Group.

When the campaign started, we counted on just two members of the council sympathetic to our cause, Anne Kobayashi and Ron Menor. We swung two more members our way, but were unable to pick up the crucial fifth vote. We were extremely disappointed that council members opposed to the project nevertheless felt compelled to vote with the majority while expressing "Reservations." We feel this is not a true reflection of the democratic will or process. If you are opposed you should be able to cast a vote that reflects your position without fear of retribution from the chair or the majority. As a result of this experience we have decided that it is crucial to become involved in the next council elections in a much more active way. As the pace of development picks up, and efforts are made to push major projects outside the Urban Growth Boundary, we need more people on the council who stand with the majority of O'ahu's residents who are opposed to uncontrolled development.

Looming Battles

In other news, we are gearing up for the looming zoning battle for Ho'opili.

We have secured a challenge grant: for every dollar we raise, we will receive another dollar, up to \$5,000. This would give us a \$10,000 war chest for this fight, so please consider donating.

We are supporting Keep the North Shore Country and the Defend O'ahu Coalition in their efforts to block expansion of the Turtle Bay development.

We are preparing to tackle the plan by the Mormon Church, called Envision La'ie, to build a brand new town on the virgin ahupua'a near Malaekahana known as Gunstock Ranch.

And we are discussing how to respond to growing concerns about development in Kaka'ako. We have decided to draw up a set of guidelines or criteria against which to measure proposed projects in Kaka'ako, and we will be voting on those proposals soon.

We have requested a meeting with Mayor Caldwell to express our concerns on these four issues.

It's a packed agenda and we can use all the help we can get. If you want to donate your help, please go here: sierraclubhawaii.com/volunteer

Anthony Aalto
Chair, O'ahu Group

Donate Now and Your Contribution Is Automatically Doubled!

Here are three easy ways to contribute:

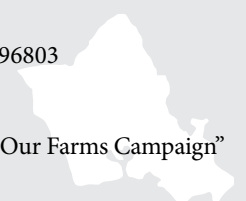
1 Send checks to:

Sierra Club, O'ahu Group, P.O. Box 2577, Honolulu, HI 96803
Write "Save Our Farms Campaign" in the memo line

2 Go online at sierraclubhawaii.com/donate

In the "Special Instructions" box: "For O'ahu Group Save Our Farms Campaign"

3 Call: (808) 538-6616





O'ahu Group Outings

SEE PAGE 14 FOR GENERAL
OUTINGS INFORMATION

Beginning in January 2014, reservations are required for outings. Register online at sierraclubhawaii.com/get-outdoors

Unless otherwise stated in the outing description, participants meet at 8:00 a.m. at the back porch of the Church of the Crossroads, 2510 Bingham Street, Honolulu. Do not leave your car in the church parking lot.

Classification of outings: (E) Education/ Interpretation, (C) Conservation, (F) Family/Fun, (S) Service

Beginning in January 2014, reservations are now required for some outings. Find this list of hikes and register online at SierraClubHawaii.com/get-outdoors.

Saturday, January 4

Punalu'u Beach Park Cleanup (S)
Reservations required. Come join us for a beach cleanup in Punalu'u. Meet at the Beach Park at 10 a.m. Afterward we will head to a shady lagoon to swim and share snacks. Laura Gray 260-7940

Sunday, January 5

Waimano Ridge
15 mi/Strenuous/Ridge/Waimano
Reservations required. A very long graded route to the Kōolau Mountains! We'll see historic irrigation ditches, dark abandoned tunnels, and a wide variety of native plants. At the end we look down on Kāne'ohe Bay from the summit. Church of the Crossroads meet-up time is 7:00 a.m. Dan Anderson danderhi@gmail.com 690-0479



Saturday, January 11

Ala Wai Boat Harbor Cleanup (S)
Meet at 8 a.m. at the Harbor Master's office, between the 3rd and 4th row of boats behind the Ilikai Hotel. Park in street stalls or public lot 'ewa of Hilton Lagoon. Wear sturdy shoes with gripping soles and bring a hat, sunscreen, and water. All participants under 18 must have a waiver signed by their legal guardian. Please contact the leader for the waiver. Closed-toe shoes only. Deborah Blair 955-4168

Saturday, January 18

Kalauao Loop (E/F)
5 mi/moderate/'Aiea
Reservations required. Off of the 'Aiea Loop Trail, this trail drops down into Kalauao Valley. We will criss-cross the stream a dozen times and stop at a pleasant little waterfall for lunch. The climb back up to the ridge is a steep one to start out, but the 600' elevation gain is a great workout. Ed Mersino 223-5765 mersino@hawaii.edu, asst. Dave Houle

Sunday, January 19

'Thi'ihilauākea Crater Hike (F)
3 mi/Moderate/Ridge/Koko Head
We may spot some humpback whales from above as we make our way into a crater to view rare native plants. Stan Oka 429-9814, Clyde Kobashigawa 262-

6092, John Shimogawa 227-9925, Susan Tom, asst. Ronette Morales

Sunday, January 26

Photography Hike: Queen Kapi'olani Gardens (E/F)
.25 mi/Easy/Kapahulu
Reservations required. The pace of photography hikes is extremely slow. We will see many native plants from around the State of Hawai'i. Stan Oka 429-9814, Clyde Kobashigawa 262-6092, John Shimogawa 227-9925, Susan Tom

Sunday, January 26 Kaunala

6 mi/Moderate/Contour/Pūpūkea/+/- 500 feet
Reservations required. Native plants are the highlight on this trail, with lovely views of the Wai'anae mountains. Gwen Sinclair 735-0528 gsinclair@gmail.com

Saturday, February 1

Kalaunui (Mariner's Ridge) (E/F)
3 mi/moderate/Hawai'i Kai
Reservations required. Meet at 9:00 a.m. We could call this a beginner's hike since it is so short, but it has an 800' elevation gain/loss. It will give hikers a good workout to get to the views of the Windward area. Ed Mersino 223-5765 mersino@hawaii.edu; asst. Donna Buscemi, Dave Houle



O'ahu Group Outings



Saturday, February 8

Sierra Seminar: Kahana Bay Kayaking (F)
Reservations required. Space limited. Meet at the parking area on the makai side north of the bridge at 10 a.m. We will paddle the bay to the river opening and then up the river to a swimming hole. Bring a hat, sunscreen, water, water shoes, bug protection, snack, life jacket, and wear a swimsuit. Laura Gray 260-7940

Sunday, February 16

MCBH Kāne'ohe Bay Service Project (S)

Reservations required. Contact Dan Anderson at 690-0479 or danderhi@gmail.com by February 14. Help clear a wetland of mangrove plants to create habitat for Hawai'i's endangered waterbirds. Because MCBH is a secured military facility, we must provide your name to the base in advance. We'll send you a waiver, which you must bring with you. Deborah Blair 955-4168

Sunday, February 16

Kuli'ou'ou

4 mi/Strenuous/Ridge/Kuli'ou'ou
Reservations required. This hike begins with numerous switchbacks and a gentle grade up to a shelter followed by a steep ascent and topped off with great views of Waimānalo from the Ko'olau Ridge. This popular trail has been improved by the addition of 150 steps put in by Sierra Club volunteers in 2010. Joanna Alexander 223-6993 joalex.gypsy@gmail.com, Jean Fujikawa

Saturday, February 22

Queen Kapi'olani Gardens Service Project (S)
Join the city's Division of Urban Forestry and the Sierra Club in maintaining a native Hawaiian garden. Meet at Queen Kapi'olani Garden (bordered by Monsarrat/Paki/ Leahi Avenues) at 8 a.m. Tools will be provided, but you are welcome to bring your favorite trimming or pruning tool. Stan Oka 429-9814, Clyde Kobashigawa 262-6092, John Shimogawa 227-9925, Susan Tom

Sunday, February 23

Kā'ena Point Natural Area Reserve Service Project (S)
Reservations required. We will travel to Mokulē'ia where we will meet with DLNR personnel and drive to Kā'ena Point Natural Area Reserve. We will remove invasive plants that are growing in the area. We will learn about native coastal plants and animals, and see albatross and possibly monk seals. Jim Waddington 947-2732 (call after February 1)

SIERRA CLUB OUTINGS POLICY

For all Sierra Club Outings: Sierra Club outings are conducted according to Club policy and under the direction of certified Outings Leaders. Our outings are group activities, and all participants are expected to follow leaders' instructions and to remain with the group for the entire outing. We welcome all Sierra Club members, non-members, and visitors on most of our outings; however, certain outings may be restricted to members. Firearms, pets (unless specifically allowed), and audio devices with or without headsets are prohibited. Smoking is permitted only at breaks and then only if the smell of smoke cannot be detected by other hikers. Outing Leaders may prohibit smoking if, in their judgment, a fire hazard exists.

Bring with you: a liter of water (2 liters for strenuous hikes), lunch, sunscreen, insect repellent, raingear/jacket, and daypack. Boots, shoes with traction grooves (no loafers), or tabs are required. Unless otherwise noted, no bare feet or sandals of any type will be allowed.

You will also need to sign a liability waiver. If you would like to read a copy of the waiver prior to the outing, please see www.sierraclub.org/outings/chapter/forms or call 415-977-5630.

In the interest of facilitating the logistics of some outings, sometimes participants make carpooling arrangements. The Sierra Club does not have insurance for carpooling arrangements and assumes no liability for them. Carpooling, ride sharing, or anything similar is strictly a private arrangement among the participants. Participants assume the risks associated with this travel.

For specific islands: Each group may have its own outings policy. Please look at each group's page or website for more specific information on where to meet or what to bring with you.



O'ahu Group Outings

Sunday, February 23

Nu'uuanu-Pu'u 'Ōhi'a
5 mi/Moderate/Contour/
Tantalus/+1,500 feet
Reservations and car shuttle required.
We'll enjoy beautiful views of Nu'uuanu
and Honolulu from the Makiki-Tantalus
trail system. Gwen Sinclair 735-0528
gsinclair@gmail.com

Saturday, March 1

Koko Crater Stairs
2 mi/Strenuous/Ridge/Hawai'i Kai
Reservations required. We will climb
the 1,000+ stairs 1,200 feet up to the top
of Koko Crater for a 360-degree view of
east O'ahu and possible whale sightings.
The hike will be moderately paced,
but is not for those with bad knees, a
heart condition, or fear of heights. Jean
Fujikawa jean.fujikawa@gmail.com

Sunday, March 9

*Photography Hike: Leeward Community
College Native Plant Garden (E/F)*
Reservations required. The pace of
photography hikes is extremely slow.
Started in the early 1990s, Leeward
Community College's native plant gardens
contain plants representing dryland,
coastal, mesic forest, and Polynesian
gardens. Stan Oka 429-9814, John
Shimogawa 227-9925, Clyde Kobashigawa
262-6092, Susan Tom

Saturday, March 15

Kawailoa (C)
5 mi/Moderate/Ridge/North Shore
Reservations required. The last time
we hiked this trail was 4 years ago. The
Kawailoa Ridge Trail passes through one
of the wildest and most rugged areas on
O'ahu. It is 5 1/2 miles long, but we will
hike only halfway. Ed Mersino 223-5765
mersino@hawaii.edu; asst. Dave Houle

Saturday March 15

*Ka'ena Point Natural Area Reserve
Service Project (S)*
Reservations required. We will travel
to Mokule'ia where we will meet with
DLNR personnel and drive to Ka'ena
Point Natural Area Reserve. We will
remove invasive plants that are growing
in the area. We will learn about native
coastal plants and animals, and see
albatross and possibly monk seals.
Colleen Soares csoares48@gmail.com

Sunday, March 16

Kualoa-Āhuimanu Bicycle Outing
20 mi/Moderate/Windward
Reservations required. Meet at 9:00
a.m. at Kualoa Beach Park. Enjoy the
charms of the Windward coast along
Kamehameha Highway. Gwen Sinclair
735-0528 gsinclair@gmail.com

Sunday, March 23

Sandy Beach Cleanup (S)
Meet at 8:30 a.m. at Sandy Beach
bathroom at eastern side of beach park.
We will clean up along highway and
coastal areas until 10:30 a.m. Call Tred
(394-2898) for information. Bags and
gloves provided. All participants under
18 must have a waiver signed by their
legal guardian. Please contact the leader
for the waiver. Closed-toe shoes only.
Deborah Blair 955-4168

Sunday, March 30

Keālia Trail and Access Road Hike (F)
6 mi/Strenuous/North Shore
Reservations required (by March 15).
Meet at 8 a.m. at trailhead. We will hike
1 mile of switchbacks above Dillingham
Airfield. The 1.9 mile ridge road ends
with views of Makua Valley.
Joanna Alexander 223-6993
joalex.gypsy@gmail.com, Dan Anderson

Three-Day Neighbor Island Service Trip



Friday to Sunday, July 4-6
Haleakalā National Park, Maui (S)
Leader: Clyde Kobashigawa
clydekobashigawa@clearwire.net

Our accommodation for the weekend is Kapalaoa Cabin, situated in the center of Haleakalā Crater. The work will be eradicating California Telegraph Plant and Plantago. This trip is for hikers in good physical condition and for those who don't mind "roughing it." We have a 7-mile hike in via the Sliding Sands Trail and will exit via the Halemau'u trail. Participants will have to deal with the elevation. The cabin was built in the 1930s by CCC workers and is rustic. There are no washroom or shower facilities, but there is an outhouse. We do have a 2-burner gas stove top and a wood-burning stove to cook and keep warm. The reward is spending the weekend in a beautiful National Park.





County Council Overrides Mayor's Veto of Bill 2491 Pertaining to Pesticides and GMOs

After months of controversy and passion, Bill 2491 was passed into law in November. The bill's objective is to protect residents and the environment from the impacts of restricted-use pesticides used by agrochemical corporations. Over 12,000 acres of farmland on Kaua'i are owned or leased by four biotech seed companies.

The bill was strongly supported by the Kaua'i Group. It establishes buffer zones around fields near schools, hospitals, and residential areas to help protect against pesticide drift, and requires public disclosure and a comprehensive study that will analyze environmental and health impacts.

The bill's requirements take effect in nine months. Although the agrochemical companies have threatened to challenge the legality of the bill in court, a number of top local, state, and national attorneys have offered pro-bono legal help to defend the County's right to protect the public from potential harm.



Supporters of Bill 2491 celebrate on the steps of the Kaua'i County Building.

Securing Coastal Trail Access Along the Historic Alaloa

Efforts continue to secure public access along the historical trail (the "alaloa") that parallels Kaua'i's northeast coast through the ahupua'a of Ka'aka'aniu, Lepeuli (Larsen's Beach), and Waipake. There is ample historical evidence of the alaloa, including Hawaiian government survey maps and kama'aina testimony of native Hawaiian use of this overland coastal route as a pathway to reach kuleana lands and taro loi, and even for postal service.

The County of Kaua'i recently approved the subdivision of 360 acres in the Agricultural District of Waipake for 80 luxury home sites called "Kahu'aina Plantation." However, the developer, Falko Partners, LLC, failed to disclose the existence of the traditional public access along the alaloa. Furthermore, the title report provided to the County for the project omitted a public document—the 2008 Fifth Circuit Court stipulation between Falko Partners and the State of Hawai'i—containing a claim that: "The State reserves its right, title, interest and claim to the ten foot wide ancient trail affecting Parcel 10 known as the alaloa." Thus, while the County required

a mauka-makai pedestrian grant of easement to the beach as a condition for approval of the subdivision, it imposed no requirement for access along the alaloa.

The County Council's acceptance of the mauka-makai grant of easement from the landowner is still pending for a number of reasons: the easement's terminus would be at a bluff and not the beach; parking capacity and maintenance

issues have not been addressed; bicycles and horses would be prohibited; and the logistics of the easement's intersection with the alaloa have not been determined.

Concurrently, the Na Ala Hele Kaua'i Advisory Council has asked the state's Department of Land and Natural Resources (DLNR) to take action to delineate the alaloa prior to the County's acceptance of the grant of easement noted above. (The state established the "Na Ala Hele" Hawai'i Trail and Access Program in 1988 in response to public concern about the loss of public access to historical trails due to, among other things, development pressures.)

Although the State has acknowledged its claim to the alaloa, the Administrator of the Department of Fisheries and Wildlife (DOFAW) responded in a November 6 letter to the landowner's representative, that "DLNR has no current plans to take action regarding the trail." It also stated that the mauka-makai access should "satisfy the public's concerns regarding access to the coastline," entirely discounting the public's right to lateral coastal access across the ahupua'a.

The alaloa is an invaluable public trust asset that the state should protect, regardless of pushback from private landowners. The Kaua'i Group's position is that there is a legitimate basis for DLNR to proceed with surveys and recordation of the alaloa for public benefit—for cultural value, historical value, recreational value, and enjoyment of the beauty and view planes afforded by the trail.

We will continue to advocate that DLNR survey and record the location of the alaloa in collaboration with community stakeholders, consistent with the state's mission and legislative goals of preserving the natural and cultural resources of Hawai'i.



SEE PAGE 14 FOR GENERAL
OUTINGS INFORMATION

Join us on one of these outings to explore Kaua'i. Mileage is total miles. Requested donation for members and participants under 18 is \$1; for others, \$5. Updates on the website: hi.sierraclub.org/Kauai/index.html
Note: Women are advised not to hike remote trails or camp alone on Kaua'i.

Classification of outings: (E) Education/ Interpretation, (C) Conservation, (F) Family/Fun, (S) Service

Sunday, January 12

Maha'ulepu Sunset to Full Moon Walk/South Shore/ Moderate/3 mi (C/E/F) Start out mid-afternoon from Shipwreck Beach along the coast to Maha'ulepu. Enjoy the setting sun and an almost full moon rise. Car shuttle for one-way hike. Judy Dalton 246-9067

Tuesday, January 14

Nonou (Sleeping Giant) Conservation Service Project. (C/S) East Side/strenuous/4 mi. Tend to endangered native plants in their habitat and enjoy a full-moon walk. Sierra Club members only. Bob Nishek 346-0476

Sunday, January 19

Awa'awapuhi Trail/ Koke'e/ 6.5 mi / strenuous. Start at the top of a well-managed trail offering an abundance of plants and spectacular Na Pali coast views. The stiff uphill 1,200-foot trip back up will test your legs. Kathy Valier 826-7302

Saturday, January 25

Nukoli'i Beach Cleanup. East Shore/easy (S) Sierra Club and Surfrider team up to remove litter. Turn makai off highway just south of Wailua Golf Course onto unpaved road to the beach. Look for organizations' signs. Bring hat and water. Gloves, bags, and snacks provided. 9 am to noon. Judy Dalton 246-9067

Sunday, January 26

Maha'ulepu/South Shore/moderate/4 mi. (C/E/F) Spectacular coastal walk

with stunning views. Visit the fantastic sinkhole/cave archeological site. Allan Rachap 212-3108

Saturday, February 1

'Okolehao Ridge/North Shore/Strenuous/4 mi. (C/E/F) Trail climbs 1,200 ft behind Hanalei Valley for beautiful, sweeping views of the North Shore. Kathy Valier 826-7302

Sunday, February 2

Hanalei to Ke'e Bike ride/ North shore/ Moderately strenuous/15 mi (E) Take an early morning ride along the scenic coastal North Shore road from Hanalei town to the end of the road. Must have or rent own bike and helmet. Jane Schmitt 826-6105

Saturday, February 8

Anahola Beach Coastal Walk to Kealia with shuttle. East Shore/moderately strenuous/5 mi. (E/F) Walk along a wild and wonderful coastline, as yet untouched by development. Spot Humpback whales. Bob Greene 346-1229

Tuesday, February 11

Tropical Botanical Gardens Moonlight Walk. South Side/Moderate/2 mi. (C/E/F) Hike and learn about plants in lovely gardens. Sierra Club members only. Bob Nishek 346-0476

Sunday, February 16

Maha'ulepu. For description see Sunday, January 26.

Saturday, February 22

Moloa'a Beach Cleanup. North East Shore/ easy (S) Help protect marine life from litter and fishing net entanglement. Look for Sierra Club & Surfrider signs. Bring hat and water. Gloves, bags, and snacks provided. 9 am to noon. Judy Dalton 246-9067

Saturday, March 1

Nawiliwili Lighthouse Coastal Walk (C/E/F) Moderate/3 mi. Hike from Kalapaki Beach to Nawiliwili Lighthouse, then along the coast to Hanama'ulu Bay with shuttle to return. Enjoy spectacular views along the

rugged coast. Ken Fasig 346-1229

Saturday March 8

Jewel of Koke'e, Strenuous/7 mi. (C/E) Spectacular hike through forest of Koke'e, Black Pipe Trail, Canyon Trail, Po'omau Canyon Lookout. Cross over Waipoo Falls for view of Waimea Canyon to the ocean. Bob Greene 346-1229

Thursday, March 13

Waimea Canyon Road Cleanup/Easy/ 2 mi. (S) Afternoon cleanup of Sierra Club's adopted highway requires a little over an hour. Please help keep the gateway to Waimea Canyon litter-free. Bob Nishek 346-0476

Friday, March 14

Hanalei Beach Full Moon Stroll/ 2 mi/ easy (C/F) Starting at Black Pot, we'll walk under a full-moon-lit sky down to Pine Trees. Jane Schmitt 826-6105

Saturday, March 15

Ha'ena to Ke'e Sunset—Moonlight Beach Walk/North shore/ Easy/ 2 mi. (E/F) This is a beach walk with beautiful views along the way. We hope to see the sunset along Na Pali and return by moonlight. Kathy Valier 826-7302

Saturday, March 22

Maha'ulepu Beach Cleanup/ South Shore/easy (S) Sierra Club, Mālama Maha'ulepu & Surfrider team up to keep this magnificent beach free of ocean debris and litter. Drive on Po'ipu Road past Grand Hyatt Hotel onto dirt road to T-intersection and turn right. Look for banners. Bring hat and water. Bags, gloves, & snacks provided. 9 am to noon. Allan Rachap 212-3108

Saturday, March 29

Kuilau Ridge Trail/ East side/ moderate/3 mi. Lovely forested hike with spectacular mountain and valley views. Great reward for moderate effort. (E/F) Erica Watson and Denny Jackson 647-0727



Maui Group Report & Outings

Over the last couple years I, along with roommates, have raised a beautiful food forest. Increasing the abundance within our backyard garden has given me new insights into the power of providing food from the land. Watching the banana keiki grow up and produce racks of delicious apple bananas is transformative. Sharing the flavorful Thai basil and rosemary with neighbors brings smiles all around.

As we start the New Year we are thankful for the dedication and generosity of those who have allowed our successes to become reality. We had a monumental year of victory for the environment locally and statewide. Just like the seeds planted in our backyards which eventually come to fruition we can watch as our efforts make a positive impact in our environment and community. We all share the benefits of unpolluted waters to play in, healthy air to breathe, and parks to picnic in.

In September and October we organized two Talkin' Trash Forums with the help of SLIM, Maui Recycling Group, and UHMC. Thanks to Down to Earth, Anthony's Coffee, Whole Foods, and Flatbread for their delicious donations of food and drink! These lively and well-attended forums started the dialog about how our solid waste is dealt with and should be dealt with here on island. Mahalo to panelists: Jennifer Chirico, Jeff Stark, Kyle Ginoza and Timonie Hood, Arun Sharma, Allen Hershkowitz, and moderator Kainoa Horcajo.

Last November the Kihei History Talk Story Night took place at Kihei Library. This event was co-sponsored by SCMG, 'Aomakole, and Maui Tomorrow. Mahalo to Auntie Paula Kalanikau for sharing her many memories, Kihei Librarian Jessica Gleason and Daniel Kanahele for all their kokua, and Geoff

Moore of Silver Moon Art & Design for the great flyer.

Thanks to donations from you we have been able to strategically protect some of Maui's fragile places. We are in settlement negotiations regarding the preservation of 130 acres of Maui's rarest native ecosystem, protection of ground and surface water resources, and redirecting wastewater from the ocean to beneficial uses.

Upcoming we have the Sierra Club Maui Annual Meeting on February 1 to look forward to. It will be held at the Kaunoa Center in Spreckelsville and will feature food, fellowship, and the Environmental Heroes Award Ceremony.

Another fun event to mark your calendars for is the Annual Plant Sale at the Haiku Ho'olaule'a April 12. We, as always, welcome donations of non-invasive edible and native plants, trees, and starts. Email chair@mauisierraclub.org for more info or to donate. Start your cuttings and seeds now.

Look for opportunities to tend the earth this year and share the growth that comes from your efforts. Feel free to email updates about your successes and projects so that we may share what our members are doing with a broader audience both on social media and our website, mauisierraclub.org

Chris Taylor
Chair, Maui Group

SEE PAGE 14 FOR GENERAL OUTINGS INFORMATION

Classification of outings: (E) Education/ Interpretation, (C) Conservation, (F) Family/Fun, (S) Service

A donation of \$5 (\$3 for Sierra Club members) is requested of hikers over age 14.

East Maui Irrigation Company (EMI) allows us to hike across their beautiful land so long as each hiker has a waiver. An EMI waiver is absolutely required for EMI hikes (listed below). One waiver covers all EMI hikes for this quarter. Call in your waiver request to Kawika or Mark at 579-9516 well in advance to make an appointment for when you can sign it. Then go to EMI's Pa'ia office at 497 Baldwin Avenue to sign the waiver. Waivers cannot be mailed, faxed, or emailed. Please be considerate of EMI staff time and pick up waiver 5 days in advance whenever possible. The waiver must be brought on the hike and shown to the hike leader.

Saturday, January 4

Haleakala Supply Trail

D=approx. 6 mi R/T. Moderate, but high altitude. Enjoy beautiful views as we hike the Supply Trail in Haleakala National Park. We will begin near Hosmer's Grove camping area and hike uphill for 2.5 miles until we reach the crater rim. There we will enjoy lunch and marvel at the views. Conditions can be cold, wet, and windy, so prepare. Meet 8:00 a.m. at Pukalani Terrace Shopping Center near Ace Hardware. Bring hat, jacket, lunch, plenty of water, and a park pass if you have one. Wear appropriate footwear for rocky conditions. Leader: Kalei Johnson: Please call hike leader 344-0006 or kalei1908@gmail.com.

Friday, January 24

Ma'alaea Petroglyph Hike (C/E)

D= 4 mi R/T. Some steep uphill. Explore one of Maui's largest collections of petroglyphs (native Hawaiian picture symbols chiseled into rock) and learn about the history of the Ma'alaea area. Meet 9:00 a.m. in front of Buzz's Wharf restaurant. Limit 18. Leaders: Lucienne



Maui Group Outings

de Naie and archaeologist Dr. Janet Six.
Register: laluz@maui.net or 214-0147

Saturday, January 25

Buy Back the Beach 2014 (Benefit Event)
Benefit lu'au and gourmet buffet for
Hawai'i Islands Land Trust, 5 to 8 p.m.
at Old Lahaina Lu'au. Music by Hapa.
Show your love for protecting Hawai'i's
precious places. Tickets \$150, includes all
food and two drinks. Contact: www.hilt.org
(not a Sierra Club event)

Saturday, February 1

*Maui Group Annual Meeting (C/E/F) at
Kaunoa Center (Spreckelsville)*
Food, fellowship, guest speaker, and
Environmental Heroes Awards. Free. 11
a.m. to 3 p.m. Kaunoa Senior Center.
Main dish provided; bring side dishes for
a great picnic lunch. Theme: "Sustainable
Future Action Plan," a community
discussion with guest speakers. To get
an email reminder about our annual
meeting with all details, please go to
our web page mauisierraclub.org
and click on "Join Our Email List" in the
left column of the home page. Event
volunteers always appreciated. Contact
Janet Six sixjanet@gmail.com

Saturday, February 8

*Makena Historical Hike & Fishpond
Tour (C/E)*
D=3 mi R/T. Moderate, but parts of trail
narrow and rocky. A delightful walk
along the beautiful coast passing ancient
fishponds, temples, springs, and trails
and learning about plans for proposed
redevelopment of Makena Resort Hotel.
Meet at 9 a.m. at Makena State Beach,
second paved parking lot. Bring water,
lunch/ snack, hat. Limit 20. Leader
Lucienne de Naie. Register:
laluz@maui.net or 214-0147

Tuesday, February 11

*Kihei History Night: "Ka'ono'ulu Story" at
Kihei Library (C/E/F)*

Free informational slide show and talk
story about south Maui's Ka'ono'ulu
Ahupua'a. Proposed mega-malls and
Kihei High school site are all part of
this ancient Hawaiian settlement area,
once famed for its fishponds, heiau,
trails, and underground streams. Light
refreshments, 6 to 7:30 p.m. (Sponsored
by Maui Tomorrow Foundation.)

Saturday, February 15

*World Whale Day Celebration: Kihei.
Maui Group Info booth (C/E)*
Community Celebration with music
sponsored by the Pacific Whale
Foundation. 10 a.m. to 7 p.m. at Kalama
Park on South Kihei Road (by the
big whale statue). Visit Sierra Club
information booth in "Eco-Alley."
Volunteers wanted: laluz@maui.net. Free
admission (not a Sierra Club activity).

Friday, February 21

Kamaole Ahupua'a Tour (Kihei) (C/E)
D= 3 mi R/T. Moderate. Neighborhood
and coastal walks at several tour stops.
Explore the hidden history of the "Land
of Kamaole": ancient fishing shrines,
house sites, and more. Meet 9:00 a.m.
at the parking lot, Kihei Public Library.
Bring water, lunch/ snack, hat, sunscreen.
Limit 20. Leader: Lucienne de Naie.
Register: laluz@maui.net or 214-0147.

Saturday, March 8

Wahinepe'e Hike (C/E)
D=12 mi R/T Moderate to Strenuous.
Beautiful hike in East Maui Watershed
through forest with waterfalls, pools,
and scenic vistas. Bring food, water,
hat, sunscreen. EMI Waiver required.
See above for instructions. Meet 7
a.m. Haiku Community Center. Limit

15. Leader: Kalei Johnson. Register:
kalei1908@gmail.com or 344-0006.
Please call hike leader.

Saturday, March 22

Waikamoi Preserve Hike (C/E)
D=6 mi R/T. Wonderful guided hike
through Hosmer's Grove and on into
Native Hawaiian forest. It's a special
ecosystem and a great birding hike.
Meet 8 a.m. at Hosmer's Grove inside
Haleakala National Park. There is a
\$10 per car entrance fee to the park.
Bring water, lunch/snack. Be prepared
for chilly and/or wet weather. Limit
15. Leader: Kalei Johnson. Register:
kalei1908@gmail.com or 344-0006.
Please call hike leader.

Sunday, March 30

Waikapu Stream Hike (C/E)
D=5 mi R/T. Hike along south (Tropical
Plantation) side of Waikapu stream.
Water-friendly footwear required. Bring
water, lunch/snack. Meet 9 a.m. Maui
Tropical Plantation parking lot south
end. Limit 18. Leader: Lucienne de Naie.
Register: laluz@maui.net or 214-0147

Saturday, April 12

*Haiku Ho'olaulea and Maui Group Plant
Sale (Haiku Community Center)*
Save the Date! Gather your plant
donations! Start your cuttings. Food
plants especially welcome. The Haiku
Ho'olaule'a includes music, food, auction,
displays, plants, games, and contests at
Haiku Community Center grounds on
Saturday from 9 a.m. to 4 p.m. To donate
plants: email laluz@maui.net. This is
Maui Group's major fundraiser.



Moku Loa Group Report

Mauna Kea

A new lease arrangement had to be created in order to accommodate the next phase of the industrialization of the summit of Mauna Kea. DLNR Board and staff heard many arguments for not renewing the UH Lease for another 65 years gratis (at no cost at all) in a Nov. 8 meeting in Honolulu.



For 40 years, the UH and DLNR have complained about lack of funds to properly protect, preserve and make the mountain safe. State law (HRS 171) requires the state to collect responsible lease rent for the use of ceded lands. Mauna Kea in its entirety is comprised of ceded lands. While the University might be able to pay only a dollar in lease rent, as an educational purpose permitted under the ceded land rules, it is not allowed to give the state's resources away to foreign governments and corporations for a dollar per year.

It is reasonable that the observatories pay lease rent. One community proposal issued by the Royal Order of Kamehameha I and Mauna Kea Anaina Hou recommends that all the

observatories collectively pay not less than \$50 million per year—earmarked to help fund the state, UH, OHA, and the Hawaiian Island Charter School Alliance.

Across the state Mauna Kea is being recognized as the next Kaho'olawe to protect and defend. The Mauna Kea ohana grows with each event, and the work now proceeds to the next level.

Pending in the Third Circuit Court is a suit challenging BLNR's permit to construct the Thirty Meter Telescope (TMT), an 18-story, \$1.4 billion observatory. Arguments for that suit will be made and the outcome of the DLNR lease hearing will be known on December 13, 2013. Stay tuned, and, better yet, pick up a pen and start working.

Nelson Ho

Chair, Moku Loa Group

Fundraising Success

Mahalo to the Moku Loa Group members and shoppers who made the Maku'u Farmers Market Rummage Sale on October 6, 2013, a success! Watch for another rummage sale in February, with more information to be posted on MLG's website and Facebook page. We are looking for donations of household, camping, furniture, sporting goods, books, electronics, and kitchen items for the rummage sale.

CONSERVATION UPDATE

Conservation Presentation

Hear about how the Mauna Kea Forest Restoration Project and the State of Hawai'i are working to preserve and protect the habitat of the endangered Palila on Wednesday, February 12, at Thelma Parker Library in Waimea (7:00 p.m.). The most recent Palila count is

approximately 1,700 birds. In the past year, the State of Hawai'i and the Mauna Kea Forest Restoration Project have built fences and removed 1,800 sheep from Mauna Kea. The state is finally acting to fulfill requirements of previous lawsuits. Let's support them!

Renate Gassmann, Ph.D., D.V.M., 1946-2013

Hawai'i conservationists recently lost a respected advocate, scientist, and activist, Dr. Renate Gassmann. She and her husband worked many years at Pohakuloa on Hawai'i Island and Olinda on Maui with the 'alala and other endangered birds. She was a long-time member of Maui Group Sierra Club, Audubon, and Hawai'i Conservation Council. On Maui, she took birders into the Nature Conservancy's Waikamoi Preserve to view rare birds like the Maui parrotbill as part of the birding tour company that she founded. More recently, she participated in a number of service and hike outings on the Big Island and shared her birding expertise.



Dr. Renate Gassmann is pictured on the left during a Moku Loa Group hike in Hawai'i Volcanoes National Park.



Moku Loa Group Outings

SEE PAGE 14 FOR GENERAL
OUTINGS INFORMATION

D = distance, the estimated round trip for the day. E = elevation in feet. + is gain, - is loss, +/- is up and down. Classification of Hikes: (E) = Education/ Interpretation (C) Conservation (F) Family/Fun (S) Service.

Requested donation for members and participants under 18 is \$1. Donation for others: \$5. For most hikes, bring 2 quarts of water, rain gear, sturdy hiking shoes, hiking stick, hat/visor, and lunch. For full descriptions and updates go to hi.sierraclub.org/Hawaii/outings.html

Saturday, January 11

Kahuku NP, Kona Loop Trail Hike (E)
D = 5 miles, E = +560/ -560' Starting elevation: 4440'

The new Kona Trail covers diverse terrain as it loops through lava from the 1887 Mauna Loa flow, native forests, and native plant restoration areas. Enjoy dramatic vistas of the Ka'ū coast, including Ka Lae (South Point). Leaders Diane Ware 967-8642 and Rich Vogler 328-8387

Saturday, January 18

Makaopuhi Crater Hike (F)
D = 8.5 miles, E = -1000' Starting elevation: 3000'

Enjoy fantastic views of Mauna Ulu and Makaopuhi Crater on this moderate hike. Starts at Napau Trail parking lot and ends at Kealakomo Lookout on the Chain of Craters Road. Leaders Linda Larish 966-6337 and Kana Covington 966-8431

Saturday, February 8

Volcano NP, Escape Road Hike (E, F)
D = 5 miles, E = -1,000' Starting elevation: ~3900'
This off-road hike is a moderate one-



A group of Moku Loa hikers explore the old-growth forest of Pu'u Maka'ala.

way downhill hike that covers diverse terrain as it passes through native forests and vegetation. Hike starts at Thurston Lava Tube (Nahuku) parking lot and ends at the Mauna Ulu parking lot. Leaders Diane Ware-967-8642 and Rich Vogler 328-8387.

Wednesday, February 12

Palila 2014 Presentation (E)
7:00 p.m. at Thelma Parker Library, Waimea
Hear about how the Mauna Kea Forest Restoration Project and the State of Hawai'i are working to preserve and protect the habitat of the endangered Palila.

Saturday, February 15

Waiakea Pond Dayhike (E, F)
D = 2+ miles, E = sea level
Enjoy views of Waiakea Pond and aquatic birds. May be muddy, wear appropriate shoes. Leaders Sarah Moon 935-3475 and Kana Covington 966-8431

Saturday, March 1

Pu'u O'o Trail Dayhike
D = 6.5 miles, E = 5,700'
An easy-paced hike through fascinating native forest pukukas off Saddle Road.

Return on the same route. Leaders Michael and Sunny LaPlante 964-5017

Saturday, March 22

Lokoaka Trails Service Project (S)
D = 1 mile, E = sea level
Help clear trails to pristine lagoons. Wear work clothes and sturdy shoes. Mosquito repellent, tools, and gloves will be provided. Leaders Jan and Sarah Moon 935-3475

March T.B.A.

Keauhou Bird Conservation Center Tour (E, F, S)
Join us for this special tour of KBCC, which isn't open to the general public. See and learn about native birds that the facility houses, including the 'alalā (Hawaiian crow), which is extinct in the wild; the Palila, a finch-billed honeycreeper found only on the slopes of Mauna Kea; the Maui parrotbill, an insectivorous Hawaiian honeycreeper; and the puaiohi, or small Kaua'i thrush. We will also be doing some service for the center and birds. A \$10 donation to the center is requested from each participant. Please check the Moku Loa Outings website for the announced date or contact leader Diane Ware 967-8642



Chapter Directory

“To explore, enjoy, and protect the wild places of the earth; to practice and promote the responsible use of the earth’s ecosystems and resources; to educate and enlist humanity to protect and restore the quality of the natural and human environment; to use all lawful means to carry out these objectives.”

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**Protecting Hawai'i's
Environment,
Mauka to Makai!**

MĀLAMA I KA HONUA "Cherish the Earth" *A Quarterly Journal of the* SIERRA CLUB OF HAWAII

JANUARY - MARCH 2014

Congratulations to our Newly Elected Sierra Club Leaders!

Hawai'i Chapter Executive Committee members:
Alana Bryant, Lucienne de Naie, Scott Glenn, Zachary McNish

O'ahu Group:
Matt LoPresti, Albert Perez, Leilei Joy Shih

Kaua'i Group:
Judy Dalton, David Dinner, Marge Freeman, Juan Wilson

Maui Group:
Claire Apana, Karen Chun, Daniel Grantham, Rich Lucas, Dr. Janet Six, Sara Tekula

Moku Loa Group:
Cory Harden, Martin (Marty) Mimmack, Jon Olson

Note: Election results are subject to approval by the Executive Committee.