



# Mālama I Ka Honua *Cherish the Earth*

A Quarterly Journal of the SIERRA CLUB OF HAWAII

APRIL - JULY  
2016

## Group Reports & Outings

## Lā Hana: Working Toward Water Security on Ka'ōnohi Farm

## Next Steps for NextEra



News, issues, and hikes on your island

PAGE 2



Sierra Club of Hawai'i's new program partnering with local farmers to present a series of workdays designed to highlight key campaign issues that affect communities around Hawai'i

PAGE 15



NextEra's Struggle to Acquire Hawaiian Electric

BACK COVER

# Legislators Consider Corporate Subsidy to A&B in the Form of East Maui Water

By Marti Townsend, Chapter Director

Alexander & Baldwin knows water is valuable. For more than 100 years, A&B diverted at least 160 million gallons of water every day from the streams of East Maui to grow sugar that it then sold for a profit. And the company certainly did profit, until the global market rendered sugar no longer viable here. Since the 1980s sugar has been winding down in Hawai'i, and today the last sugar plantation is closing. Yet, there is no plan for employing more than 600 people who will be out of work or for farming the more than 30,000 acres of valuable agricultural lands left fallow.

Despite not having any plans for the future of some of Hawai'i's best agricultural lands, A&B is seriously

asking the people of Hawai'i to allow it to continue to divert public water from East Maui. Company officials admit they do not have a need for the water right now. So why push for a bill in the legislature to authorize an open-ended diversion of water? One word: money. A&B knows water is valuable, so the company wants to control it.

The law as it is currently written does not allow A&B to control the water. The state controls the public's water through the water commission and Department of Land and Natural Resources. A&B can certainly request to use the water. With a solid plan to benefit the people of Hawai'i, diverting some public water from streams may make sense. But a mere desire to



*A&B knows water is valuable, so the company wants to control it.*

*Continued on page 13*



SIERRA CLUB OF HAWAII  
MĀLAMA I KA HONUA. *Cherish the Earth.*



# O'ahu Group Report

The O'ahu Group Executive Committee held its annual strategy retreat in January—a weekend at Camp Pālehua, formerly Camp Timberline. The camp has been taken over by the Gill family, which is busy restoring it to its former glory, and we highly recommend it for any group that wants to get off the beaten trail. We hiked to the Nanakuli Forest Reserve to enjoy stunning views of the Waianae Coast and to remind ourselves what we are fighting to defend.

Between delicious home-cooked meals and not a little liquor, we had four lengthy and interesting strategy sessions—including one by a roaring fire as our dogs lay blissfully among us.

One session was taken up by a discussion of the ramifications of our support for the rail project. It continues to be a difficult issue for us. While we still believe we made the right decision in embracing the mass transit plan as a means to break out of our suburban development pattern, we recognize the need to preserve our role as defenders of the land, to avoid becoming partners in development, and to be vigilant in ensuring the project is as sustainable and cost-effective as possible.

Out of the remaining conversations emerged our priorities for the year. They are as follows:

1. To continue our efforts to close the AES coal-fired power plant, or convert it to use a renewable fuel source in order to make Hawai'i "Coal-free by 2023."
2. To fight the importation to O'ahu of LNG.
3. To make the Employees' Retirement System divest all fossil fuel stocks from its portfolio within five years.
4. To encourage the city to consider

- acquiring HECO on O'ahu in order to facilitate greater penetration of distributed and renewable energy.
5. To ensure that the HART rail system is powered by renewable fuel.
6. To limit the growth of "gentlemen farms" and to resist rural development.
7. To ensure that the development proposals outlined in Envision La'ie are not built.
8. To decommission the Navy's Red Hill fuel storage tanks which threaten O'ahu's principal aquifer.
9. To revitalize the outings program, to prevent more trail closings, to get the Executive Committee more engaged in the outings program.
10. To leverage the World Conservation Congress for local environmental gains including National Heritage Area designation for the North Shore.
11. To help grow the protected bike path network in Honolulu.
12. To ensure that future housing development is in dense, transit-oriented communities containing a high proportion of affordable housing as a means to ensure no more major suburban subdivisions are ever built on O'ahu.
13. To lobby the city to create purple

- pipe infrastructure to allow re-use of nonpotable water.
14. To lobby for better conservation of the watershed.
15. To lobby the city to adopt a zero landfill policy. To close the Honolulu County plastic bag loophole. To ban Styrofoam containers.
16. To press the county to complete the Important Agricultural Land designation process. To encourage farming, especially food farming, as a way of protecting the land and boosting self-sufficiency.
17. To participate in the City Charter Commission process, particularly in efforts to create an office of climate change.
18. To improve our social media outreach, to engage the membership better, to recruit more members and improve capacity building for our volunteers and activists.

As you can see, it's an ambitious agenda. We have already been heavily engaged in most of these issues. Longtime members of the Club say the O'ahu Group has never before been involved in so many issues at once, and still we know there are important environmental priorities that don't get

## Red Hill Progress *By Marti Townsend*

The water commission sent a letter to the Hawai'i Department of Health requesting a briefing on the status of the situation at Red Hill. The legislature is considering two bills related to the Red Hill contamination. HB 2165 provides funding to the Department of Health for five expert staff members and additional monitoring wells to ensure robust oversight of the agreement with the Navy during the critical implementation phase. HB 2646 extends and expands the scope of the task force originally established to address the Red Hill contamination. The new task force would not have a sunset date and would have jurisdiction over the more than 20 military underground fuel storage facilities throughout the Hawaiian islands.



# O'ahu Group Report & Outings

the attention they deserve.

So, in order to help us meet our goals and to improve our representation at Honolulu Hale, we are exploring the possibility of hiring a full-time staff director for the O'ahu Group.

Should we decide to proceed with that idea, we will be coming to you, our members on O'ahu, to ask you for financial help. You have been warned!

Later this year we plan to hold what we hope will be an annual general meeting to which all our members will be invited. It is something that we have not done for many years, but something we think is essential to help build a sense of 'ohana.

**Anthony Aalto**  
*Chair, O'ahu Group*

## OUTINGS

SEE PAGE 12 FOR GENERAL  
OUTINGS INFORMATION

Registration is required for most outings. You can view the most current outings schedule, including hikes added after the *Mālama* publication date, at [sierraclubhawaii.org/get-outdoors](http://sierraclubhawaii.org/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

### Sunday, April 3

*Late hike: Waimano Valley (F)*  
2 mi/Easy/400 ft elevation gain/Valley-

### Contour/Waimalu

Spend the afternoon in a peaceful valley. We will descend into the valley, walk more or less along the stream, then a quick and not-too-challenging ascent takes us up to the contour trail, where we pass abandoned irrigation ditches as we return to our cars. Meeting time 1:30 p.m. Reservations required. Charlotte Manly 393-2017 or [cmanly@hawaii.rr.com](mailto:cmanly@hawaii.rr.com)

### Saturday, April 9

*MCBH Kāne'ōhe Bay Service Project (S)*  
We will be working with Environmental helping clear wetlands 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. Reservations required. Contact Dan Anderson at 690-0479 or [danderhi@gmail.com](mailto:danderhi@gmail.com) by April 8. Deborah Blair 955-4168

### Saturday, April 16

*Waimano Ridge (F)*  
15 mi/Strenuous/Ridge/Waimano  
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. Virgin valley views await, and then we look down upon Kāne'ōhe Bay from the summit. Trailhead meetup time is 7:00 a.m. Reservations required. Dan Anderson [danderhi@gmail.com](mailto:danderhi@gmail.com) or 690-0479

### Sunday, April 17

*Photography hike: Pālehua-Palikea (E/F)*  
The pace of photography hikes is extremely slow. Not for those uneasy about heights. Native plants, scenic panoramas, and exquisite tree snails are the attraction in this preserve.

Reservations required. Contact Clyde for reservations. Clyde Kobashigawa [clydekobashigawa@hawaii.rr.com](mailto:clydekobashigawa@hawaii.rr.com), John Shimogawa 227-9925, Stan Oka 429-9814, Susan Tom; assist. Curtis Kawamoto

### Saturday, April 23

*Ala Wai Boat Harbor Cleanup (S)*  
Meet at 8:00 a.m. at the Harbor Master's office between the third and fourth row of boats behind the Ilikai Hotel. Park in street stalls or public lot 'ēwa of Hilton lagoon. Wear sturdy shoes with gripping soles and bring hat, sunscreen, and water. We will use nets and scoops to clear the harbor of floating debris. All participants must wear closed-toe shoes. All participants under 18 must have a waiver signed by their legal guardian to participate. Please contact leader for the waiver. Because of limited nets, please also reserve your spot to help with this cleanup with the leader. Deborah Blair 955-4168

### Sunday, April 24

*Mānoa Cliff Trail and Service Trip (S)*  
4 mi/Moderate/Contour/Tantalus  
This beautiful trail contours the cliffs above Mānoa Valley and has expansive views, and many native plants. We will assist the Mānoa Cliff Native Forest Restoration Project. Volunteers with the project have worked for years to bring back many native plants in the area. Reservations required. Colleen Soares [csoares48@gmail.com](mailto:csoares48@gmail.com)

### Sunday, May 1

*Photography hike: Leeward Community College Native Plant Garden (E/F)*  
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.



Reservations required. Contact Stan for reservations. Stan Oka 429-9814, John Shimogawa 227-9925, Clyde Kobashigawa [clydekobashigawa@hawaii.rr.com](mailto:clydekobashigawa@hawaii.rr.com); assist. Curtis Kawamoto

## Sunday, May 8

*Beginner hike: Koko Crater Botanical Garden (F)*

2 mi/Easy/Valley/Hawai'i Kai  
Hike through a lesser-known collection of dryland plants including cacti, palms, and some native Hawaiian plants, as well as a large and varied grove of plumeria which may be in bloom. Option to stop at Kokonuts afterward for shave ice. Reservations required. Charlotte Manly 393-2017 in advance, 954-1762 day of hike [cmanly@hawaii.rr.com](mailto:cmanly@hawaii.rr.com)

## Saturday, May 14, to Monday, May 16

*Haleakalā National Park, Maui (S)*

Leader: Charlotte Manly 393-2017, [cmanly@hawaii.rr.com](mailto:cmanly@hawaii.rr.com)

Spend a lovely three days in one of the quietest and most beautiful places on Earth, featuring varied geography, native plant life, and sometimes weather. We will contribute to the National Park Service's centennial goals by finding and removing invasive plant species by hand or with small tools. We will stay in a cabin heated by a wood stove. For stronger hikers who don't mind roughing it (outhouse, no shower). Limited to 4 participants, approval required. Contact the leader with any questions.

## Sunday, May 15

*Sandy Beach Cleanup (S)*

Meet at 8:30 a.m. at Sandy Beach on the eastern side of the beach park at the bathroom closer to Makapu'u. We will clean up along highway and coastal areas until 10:30 a.m. Bags and gloves provided. All participants under

18 must have a waiver signed by their legal guardian. No one under 18 will be allowed to clean on the highway and will spend their time cleaning the beach and park area. Closed-toe shoes only. No slippers or sandals of any kind. Call Tred 394-2898 for information. Deborah Blair 955-4168

## Sunday, May 22

*Kāne'ohe to Waimanālo via Likeke and Maunawili Trails (F)*

13.5 mi/Strenuous/Contour/Kāne'ohe  
Traditional contour hike below steep Ko'olau cliffs using the Likeke and Maunawili Trails. Great views of Kāne'ohe and Kailua Bay. One way trip starting at Ho'omaluhia Botanical Garden, ending in Waimanālo trailhead for Maunawili Trail. We meet 7 a.m. at Ho'omaluhia Botanical Garden main gate; park outside park entrance, Park Access Road and Luluku Road. You will have to arrange transportation at Waimanālo end of hike. Reservations required. Dan Anderson 690-0479 or [danderhi@gmail.com](mailto:danderhi@gmail.com)

## Saturday, May 28, to Monday, May 30

*Hakalau National Wildlife Refuge, Hawai'i Island (S)*

Leader: Stan Oka 429-9814, [stoka111@gmail.com](mailto:stoka111@gmail.com); Jean Fujikawa  
Registration for this service project is closed. This service project involves planting native species or working in the greenhouse. Accommodations are at a well-equipped cabin at the 6,200-foot elevation with electricity, running water, a flush toilet, a hot shower, kitchen, and bunk beds with mattresses. Participants will need to bring their own sleeping bags. At this high elevation, cold wet weather is always possible, so warm clothing and footwear and good quality raingear are necessary. Raingear can

be borrowed from the Refuge. The free time activity may include a hike in a koa-'ōhi'a forest to observe native forest birds, some of which are on the endangered species list.

## Sunday, May 29

*Pūpūkea Paumalū (F)*

5 mi/Moderate/Contour/Pūpūkea  
Enjoy views of the North Shore on this loop hike with minimal elevation gain. Gwen Sinclair 753-0528 or [g Sinclair@gmail.com](mailto:g Sinclair@gmail.com)

## Saturday, June 11

*MCBH Kāne'ohe Bay Service Project (S)*

We will be working with Environmental helping clear wetlands 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. Reservations required. Contact Dan Anderson at 690-0479 or [danderhi@gmail.com](mailto:danderhi@gmail.com) by June 10.

## Sunday, June 12

*Kamana'iki Hike (F)*

5 mi/Moderate/Ridge/Kalihi  
This hike is near the city, and starts out on a long flight of stone steps up to an old water tank, then climbs up a ridge on the right side of Kalihi valley above the Kamana'iki stream. There is 1,400 feet elevation gain through eucalyptus, ironwoods, guava, and then a variety of native plants on the way to our lunch spot with views of Kalihi Valley and the city below. Moderately strenuous going up, but low risk. Reservations required. Colleen Soares [csoares48@gmail.com](mailto:csoares48@gmail.com), Gwen Sinclair



# O'ahu Group Outings

## **Saturday, June 18**

### *Kawainui Hike (F/E)*

5 mi/ 200 ft elevation gain/Hale'iwa  
Meet in Hale'iwa at 9:00 a.m. After a long drive through the old cane fields above Hale'iwa, we drop down into this deep valley. The trail begins by climbing to a cliff above the stream, and following along an irrigation ditch to a catchment dam. We cross the stream a dozen times to reach the reputed largest natural inland pool on O'ahu—great to cool off in. Expect to get your shoes wet. Reservations required. Ed Mersino [mersino@hawaii.edu](mailto:mersino@hawaii.edu)

## **Sunday, June 26**

### *Puu Ma'eli'eli (F)*

3 mi/Moderate/Ridge/Kahalu'u  
Uphill hike to pillbox overlooking beautiful Kane'ohe Bay. Reservations required. Contact Susan for reservations. Susan Tom 753-0351, Clyde Kobashigawa [clydekobashigawa@hawaii.rr.com](mailto:clydekobashigawa@hawaii.rr.com), John Shimogawa 227-9925, Stan Oka; assist. Curtis Kawamoto

## **Saturday, July 2**

### *Pūpūkea Paumalū (F)*

8 mi/Moderate/Contour/Pūpūkea  
This hike will introduce hikers to the entire 1,100 acres of the Pūpūkea Paumalū State Park. We will hike old ranch roads, mountain bike trails, footpaths, and equestrian trails. Reservations required. Mel Yoshioka [mhyosh@gmail.com](mailto:mhyosh@gmail.com), Jean Fujikawa

## **Sunday, July 3, to Tuesday, July 5**

### *Haleakalā National Park, Maui (S)*

Leader: Clyde Kobashigawa  
[clydekobashigawa@hawaii.rr.com](mailto:clydekobashigawa@hawaii.rr.com)  
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.

## **Sunday, July 10**

### *Nu'uuanu-Pu'u 'Ōhi'a (F)*

6 mi/Moderate/Ridge/Nu'uuanu-Tantalus  
Car shuttle required. We'll meet at Church of the Crossroads at 8:00 a.m. From Nu'uuanu Valley, we'll climb up a ridge on the Nu'uuanu Trail to the Nu'uuanu Lookout, then continue to Pu'u 'Ōhi'a. Along the way, we'll see awesome views of town, the Windward side, and the Ko'olau Mountains. Gwen Sinclair [gsinclair@hawaii.edu](mailto:gsinclair@hawaii.edu) or 753-0528

## **Saturday, July 16**

### *Photography hike: Lyon Arboretum (E/F)*

The pace of photography hikes is extremely slow. Meet at the Church of the Crossroads at 9 a.m. \$5 suggested donation to Lyon Arboretum. Learn about native and tropical plants. Bring raingear and insect repellent. Reservations required. Contact Stan for reservations. Stan Oka 429-9814, Clyde Kobashigawa [clydekobashigawa@hawaii.rr.com](mailto:clydekobashigawa@hawaii.rr.com), John Shimogawa 227-9925, Susan Tom; assist. Curtis Kawamoto

## **Sunday, July 24**

### *Waimano Tunnels (F)*

5 mi/Moderate/Contour/Pearl City  
This mostly graded (i.e., manageable)

trail has a few tricky spots that involve some scrambling. We'll see a bit of O'ahu's agricultural history and enjoy a valley that feels more remote than it is. Bring a flashlight and expect to bring home muddy boots. Reservations required. Charlotte Manly 393-2017 in advance, 954-1762 day of hike [cmanly@hawaii.rr.com](mailto:cmanly@hawaii.rr.com)

## **Sunday, July 31**

### *Sierra Seminar: 'Aiea Ridge Partial (E/F)*

5mi/Moderate/Ridge/'Aiea  
Wet ridge trail, off the 'Aiea Loop Trail, with many native plants and beautiful scenery. Reservations required. Contact Clyde for reservations. Clyde Kobashigawa [clydekobashigawa@hawaii.rr.com](mailto:clydekobashigawa@hawaii.rr.com), John Shimogawa 227-9925, Stan Oka 429-9814, Susan Tom; assist. Curtis Kawamoto

## **Thursday, August 18, to Sunday, August 21**

### *Kahauale'a Natural Area Reserve System (NARS) Service Project, Hawai'i Island (S)*

Leader: Clyde Kobashigawa  
[clydekobashigawa@hawaii.rr.com](mailto:clydekobashigawa@hawaii.rr.com)  
We will be working with NARS clearing mainly kahili ginger. We will access the enclosure via Volcanoes National Park where it is an easy 1/2-mile hike from Thurston Lava Tube to the work site. This is a relatively new site that is dominated by alien kahili ginger and is a great way to see how a truly native Hawaiian reserve evolves. There are native birds above in the native 'ohi'a lehua forest. Our accommodation will be at a house in Hilo at the NARS base yard. *Note: This trip requires a Thursday evening departure.*



## Water Access Secured for Kilauea Agriculture Park

The Kilauea Community Agricultural Park on Kaua'i's North Shore has finally secured access to water, allowing the project to move forward. Pipes, trenches, and meters have recently been installed and await County approval. Aina Ho'okupu o Kilauea, the nonprofit community organization in charge of the park, will continue to secure more water for the 75-acre property and work to build more infrastructure. Work on the community farm—seeding and building the necessary structures, including raised beds, bathrooms, and a farmers' market area—is expected to begin April 1.

The plan for the park is to allow 30 families to grow food with a six-month commitment, under the supervision of a farm manager, with education and guidance from professional farmers. Tools, seeds, and fertilizer will be provided, with compost being made on site. For their efforts, each family will receive biweekly a box of produce with at least seven items. Those interested in contributing to the growth of the park can reach out to Aina Ho'okupu o Kilauea.

## PMRF Conversion for Combat

The U.S. military is revisiting discussions on converting its Kaua'i Aegis missile defense test site into a combat-ready facility, according to a recent news publication. Converting the Pacific Missile Range Facility (PMRF) on Kaua'i's west side to a combat facility would have significant impacts on Kaua'i's environment and the safety of residents.

The island's west side, particularly the Mana Plain past Kekaha, is already under great environmental stress. There are several thousand acres on which pesticides are combined and tested on genetically modified experimental crops.

There is a large commercial shrimp farm that has discharged effluent into the ocean, causing disastrous fish-kills. The Kekaha landfill is still functioning long after its designated closure date, and leaching of toxins into the ocean is expected even without a hurricane surge or tsunami.

The conversion to a combat-ready facility would require additional personnel, stockpiling of live missiles, and increased security. It might also intensify antagonism with China and make Kaua'i a first-strike target if there were to be a war in the Pacific. The military security needs of "combat-readiness" will also make monitoring and mitigating environmental harm more difficult for civilian agencies. The Kaua'i Group urges Congressman Mark Takai, a member of the House Armed Services Committee, to reconsider his previously stated support of the conversion, until the cumulative effects of such an undertaking can be properly considered.

## For or Against Coastal Ironwood Trees?

Coconut Beach Development LLC is poised to begin construction of its 335-unit beachfront resort on 20 acres of undeveloped Waipouli coastline. The developer's landscape plan proposes removing a prominent stand of mature ironwood trees in a park-like setting along the beach, traversed by a footpath that is used by hundreds of residents and visitors daily.

The developer's intent is to remove all trees makai of the certified shoreline. However, most of the trees are located on state unencumbered lands within the Conservation District Resource Subzone. The State Department of Land and Natural Resources will require a Conservation District Use Application



*Popular footpath through the ironwood grove, Waipouli Beach.*

(CDUA) and public hearing.

The Kaua'i Group believes that removal of these ironwoods would cause significant negative impacts on natural and cultural resources, and to the surrounding community, which values the area's recreational and traditional subsistence activities. In addition to its scenic qualities and shade, this coastal habitat provides a resting place for endangered Hawaiian monk seals and turtles. Removal, or cutting the trees down to stumps, would also result in ground disturbance that could affect the health of shoreline processes and jeopardize iwi kupuna.

Although classified as "invasive," the naturalized ironwoods along this coastline do not have reproductive characteristics endangering native fauna and flora, nor pose ecological, economic, or recreational threats. Once the CDUA is posted at [health.hawaii.gov/oeqc](http://health.hawaii.gov/oeqc), please submit comments, because the DLNR's decision will affect your quality of life and environment.

**Rayne Regush**  
*Conservation, Kaua'i Group*



# Kaua'i Group Outings

**SEE PAGE 12 FOR GENERAL  
OUTINGS INFORMATION**

Join us on one of these great outings to explore and enjoy Kaua'i. Mileage is total miles. Requested donation for members and participants under 18 is \$1. Donations for others: \$5. *Note: Women are advised not to hike remote trails or camp alone on Kaua'i.* Also available on the web: [www.hi.sierraclub.org/kauai/outings/index.html](http://www.hi.sierraclub.org/kauai/outings/index.html)

**Saturday, April 9**

*Powerline Trail (C/E/F).* Hike the south half of this trail from the Keahua Arboretum to the approximate midpoint, where we will enjoy great views. Ken Fasig 346-1229

**Sunday, April 10**

*Maha'ulepu and Makauwahi Cave/ South Shore/moderate/4 miles (C/E/F)* Enjoy the majestic coastline. Visit the world-class archeological cave site. Allan Rachap 212-3108

**Wednesday, April 20**

*National Tropical Botanical Gardens Sunset Walk. South Shore/Moderate/2 miles (C/E/F)* Hike and learn about plants in lovely gardens. Sierra Club members only. Bob Nishek 346-0476

**Thursday, April 21**

*Maha'ulepu Sunset-to-Moonrise Walk. South Shore/Moderate/3.5 miles (C/E/F)* Celebrate Sierra Club Founder John Muir's birthday on the Maha'ulepu coast. Start out midafternoon from Shipwreck Beach walking along the coast to Maha'ulepu. Enjoy the setting sun and a full moon rise. Spectacular coastal walk. We will shuttle cars for a one-way hike. Greg Peters 413-522-3734

**Saturday, April 23**

*Earth Week Donkey Beach Cleanup. East Shore/moderately easy (S)* Sierra Club and

Surfrider team up to help protect marine life, the reef, and ocean from litter and fishing net entanglement. Look for banners at the parking lot above Donkey Beach, between the 11- and 12-mile highway markers by Public Shoreline Access sign. 9 am until noon. Bags, gloves, and snacks provided. Judy Dalton 482-1129

**Sunday, May 8**

*Wailua River Paddle & Cleanup. East shore/ moderate (C, E)* Kayak Kaua'i will team up with the Sierra Club to offer a kayaking excursion up the Wailua River, where we will pick up any trash, then continue this cleanup project along the path to Secret Falls. Limited to 11 participants. Jane Schmitt 826-6105

**Sunday, May 15**

*Maha'ulepu and Makauwahi Cave/ South Shore/moderate/ 4 miles (C/E/F)* Enjoy the majestic coastline. Visit the world-class archeological cave site. Allan Rachap 212-3108

**Thursday, May 19**

*Waimea Canyon Road Cleanup. Easy/2 miles (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

**Saturday, May 28**

*Kealia Beach Cleanup. East Shore/easy (S)* Sierra Club and Surfrider collaborate to protect marine and other wildlife, the reef, and the ocean from marine debris. Will you please help? Look for banners at parking lot. Bring your water and hat. We'll supply gloves, bags, and refreshments. 9 am to noon. Judy Dalton 482-1129

**Saturday, June 4**

*Honopu Trail/ Koke'e/ Strenuous (C/F)*

This 4-mile hike winds through native forest out to a spectacular view of the Honopu valley and the NaPali coast. Jane Schmitt 826-6105

**Saturday June 11**

*A day on Koke'e Trails. Moderate/5 miles (C/E/F).* Starting at Koke'e Lodge we hike to Berry Flat Trail and continue to the northern section of the Ditch Trail. Then we loop back to the Wainiua Trail and back to the lodge for a variety of views. Ken Fasig 346-1229.

**Thursday, June 16**

*National Tropical Botanical Gardens Sunset Walk. South Side/Moderate/2 miles (C/E/F)* Hike and learn about plants in lovely gardens. This is a special outing open to Sierra Club members only. Bob Nishek 346-0476

**Sunday, June 19**

*Maha'ulepu Sunset to Moonrise Walk. South Shore/ Moderate/3.5 miles (C/E/F)* Start out midafternoon from Shipwreck Beach walking along the coast to Maha'ulepu. Enjoy the setting sun and a full moon rise. Spectacular coastal walk. We will shuttle cars for a one-way hike. Greg Peters 413-522-3734

**Saturday, June 25**

*Nukoli'i Beach Cleanup. East Shore/easy (S)* Sierra Club and Surfrider collaborate to protect marine and other wildlife, the reef, and ocean from marine debris. Bring water and hat. We'll supply gloves, bags, and refreshments. Turn makai into Kaua'i Beach Resort (south of Wailua Golf Course). At the end of the tree-lined entry take the small road to the right and drive to the beach. Look for signs by the highway; 9 am until noon. Judy Dalton 482-1129

*Kaua'i Group Outings continued on page 12*



# Maui Group Report

## Chair's Report

Welcome to new Maui Group officers: Sara Tekula, Chair; Deb Mader Creigh, Vice chair; Karen Chun, Secretary; and Terez Amato, Treasurer. They are joined by new Executive committee member Trinetta "Tree" Furtado. The Maui Group has been busy planning for a 40th anniversary celebration scheduled for Saturday, October 1, at Lae'ula O Kai Hale at Kanaha Beach Park.

Our annual plant sale is scheduled for Saturday, April 23, from 9 to 4 pm at the Ha'iku Flower Festival "grower's market" at the Ha'iku Community Center. Please contact Lucienne if you have plants to donate or can volunteer: [laluz@maui.net](mailto:laluz@maui.net)

Mahalo to all who attended recent hearings on development at historic Makena Landing, changes in water policies, and other important issues. Go to [mauisierraclub.org](http://mauisierraclub.org) to sign up for the new Maui Group e-newsletter and the Maui Group Facebook hiking page, to donate, or to check out exciting hikes. Mahalo for being part of all we do.

Sara Tekula  
*Chair, Maui Group*

## CONSERVATION UPDATES

### Lipoa Point/Honolua Bay

Save Honolua secured private funding for a management plan for 244 acres of Honolua Bay. The legislature is considering HB 2721 and SB 3037, which appropriate funds as well.

### Na Wai Eha Stream Flows

The state water commission will hear from stream users in June to decide how many water use permits will be issued to farmers and others.

### Wailea 670/ Palau'ea

The parties are still working on resolving their differences and may be able to reach a settlement agreement in the EIS lawsuit. Sierra Club educational hikes to the area have begun and will continue.

### Makena Landing Resort Community

The Maui Group testified at the Maui Planning Commission asking for a full EIS to discuss impacts to cultural sites, historic roads, ocean water quality, and traffic from this proposed "millionaires only" development above Makena Landing.

### HC&S Pu'unene Plant Coal Burning

HC&S announced that Pu'unene mill will close at the end of the 2016 harvest. The Maui Group established a committee to support ideas for continued agricultural use and jobs on the 32,000 acres of cane land HC&S owns.

### East Maui Stream Restoration

Comments from all parties are in on the water commission hearing officer's proposed decision to return approximately thirty million gallons of water per day to a dozen East Maui streams. We hope that even more water will be restored to comply with water code and constitutional protection for streams. Alternative crops use far less water than sugar.

### Lahaina Wastewater Plant

Maui County's appeal of a federal judge's decision that Lahaina injection wells violate the Clean Water Act is setting up a historic case. "Friend of the Court" briefs are being submitted by cities around the nation. This is the first time the Ninth Circuit Court of Appeals

will rule on whether discharges from a point source (like the Lahaina injection wells) that travel through groundwater to reach "waters of the United States" (the ocean) require a Clean Water Act permit.

### Olowalu Development

Hundreds of testifiers were heard! The state Land Use Commission rejected the Olowalu Town EIS in December 2015, a very rare occurrence. Olowalu Town LLC did not appeal that decision. A new EIS will need to be prepared, with no date set.

### Water Availability Bill

Developers are lobbying the County Council to exempt virtually all subdivisions from the requirement that there be sufficient water for the development. The bill leaves affordable housing projects to compete with luxury subdivisions for the same, often limited, water supply. The Maui Group supports the current law. The Council's Water Committee will hear the bill in June after the budget is completed.

### Hamakualoa Coastal Open Space

A new organization, Mālama Hamakua Maui, is being formed to unite descendants, cultural practitioners, and community groups to offer care and management for Hamakua coast lands. Many groups are united in asking for more funding for open space in the 2016-2017 county budget. Hearings will be held in April.

### Wai'ale South and Waikapu Town Development

Two substantial developments are proposed for central Maui near Waikapu. Waikapu Town (1,433 units; 200,000 square feet of commercial space; a school site on 500 acres with 800 acres of agricultural preservation) and Wai'ale South (950 units and commercial on 123





# Maui Group Report & Outings

acres, with a 14-acre park—down from 22 acres). Both are competing for water and sewer capacity. The Maui Group has been invited to meet with Waikapu Town many times, but Wai'ale has not offered to meet with us.

## OUTINGS

### SEE PAGE 12 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 access to their trails as 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 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.

Please register for all hikes with the leader. Check [mauisierraclub.org/hikes-service-programs/](http://mauisierraclub.org/hikes-service-programs/) for updates to the schedule or on Facebook: [facebook.com/groups/SierraClubMauiHikes](https://www.facebook.com/groups/SierraClubMauiHikes).

### Saturday, April 9

*Waikamoi Preserve Trail & Boardwalk* (C/E) D = 3.5 miles R/T with uneven and sometimes slippery terrain. A Nature Conservancy guide describes the flora and fauna of this true native

Hawaiian forest in Haleakala National Forest near Hosmer's Grove. Meet 8am Pukalani Ace Hardware parking lot. Bring lunch, water, and raingear. Hiking boots recommended. Limit 10. **Anyone who has been on the Big Island any time since January 2016 is not allowed due to 'Ohia disease risk.** Register with Miranda Camp [mauimiranda@hotmail.com](mailto:mauimiranda@hotmail.com)

### Saturday, April 16

*Makapipi Trail Stream Hike* (C/E) D=4 miles. Varied terrain. Kō'olau Ditch trail: Makapipi to Kopili'ula Stream. Scenic vistas, pools, waterfalls and native plant life. Hike crosses several bridges with no hand rails, not recommended for those sensitive to heights. EMI WAIVER REQUIRED (see above) Meet 8am Ha'iku Community Center. Limit 15. Register with Rob Weltman [robw@worldspot.com](mailto:robw@worldspot.com) or 354-0490

### Saturday, April 23

*Ha'iku Ho'olaule'a and Maui Group Plant Sale Booth (Fundraiser)* Enjoy music, exhibits, and fun 9am-4pm at Ha'iku Community Center. Volunteer salespeople and plant donations welcome, especially food plants. To donate: Lucienne de Naie [laluz@maui.net](mailto:laluz@maui.net) or 214-0147

### Saturday, April 30

*Waikapu Stream Hike* D=5 miles R/T. Moderate. Hike along south (Tropical Plantation) side of Waikapu stream. Water-friendly footwear required. Bring water, lunch/snack. Meet 9am Maui Tropical Plantation parking lot south end. Limit 18. Register with Lucienne de Naie [laluz@maui.net](mailto:laluz@maui.net) or 808-214-0147

### Saturday, May 7

*Palau'ea Mauka (Wailea 670)* (C/E)/S D=3 miles RT. Strenuous,

uphill, some a'a lava areas. Help locate, clean and map rare ancient stepping stone trails and other archaeological sites. Bring: water, hat, sturdy closed footwear, walking sticks. Meet 3pm mauka end of Kaukahi st in Wailea. Register with Lucienne de Naie [laluz@maui.net](mailto:laluz@maui.net) or 214-0147

### Saturday, May 21

*Kōkua Day at Fleming Arboretum, Pu'u Mahoe* (C/E) Help maintain the Fleming Arboretum at 2,600 feet in Ulupalakua, sanctuary to many endangered native dryland forest plants. Awesome views of La Perouse (Keone'ō'io) coast and Kahoolawe. Bring a light jacket, lunch, and gloves. Meet 9am Keokea Park. Estimate 3 hours of work. Refreshments available. A BYO lunch will be at the Fleming cabin with a great view of South Maui. Limit 20. Register with Rob Weltman [robw@worldspot.com](mailto:robw@worldspot.com) or 354-0490

### Saturday, May 28

*Makena Historical Hike & Fishpond Tour* (C/E) D= 3 miles R/T. Moderate, but parts of trail narrow and rocky. Beautiful coastal walk passing ancient fishponds, temples, springs, and trails. Update on plans for proposed Makena Resort expansion. Meet 9am Makena State Park, second paved parking lot. Bring water, lunch/snack, hat. Limit 20. Register with Lucienne de Naie [laluz@maui.net](mailto:laluz@maui.net) or 214-0147

### Saturday, June 4

*Old Haleakala Trail* (C/E) D = 4 miles R/T. Moderate high-elevation hike with some uphill terrain. Historic trail with views. Meet 8:30am Pukalani Terrace center lot by Ace Hardware. Bring lunch, water, and

*Maui Group Outings continued on page 12*



## Cloudy Energy Future

By Nelson Ho and Cory Harden

Despite geothermal energy being over forty years old in Hawai'i, it continues to stumble into minefields. Far from encouraging "smart energy, smart growth, and smart businesses," the land-use policies of geothermal developers have created a gauntlet of outraged communities. Puna Geothermal Venture (PGV) faces a lawsuit over noisy all-night drilling last year, and neighbors have raised serious concerns for years over dangerous hydrogen sulfide emissions.

Two proposed geothermal projects recently appear to have stalled. Ormat, parent company of PGV, withdrew from contract negotiations with Hawai'i Electric Light Company (HELCO). The contract would have been for a new geothermal plant to provide 25 more megawatts of geothermal energy on Hawai'i Island. HELCO required an adjustable power output, which is difficult to do with geothermal powerplants.

In addition, the University of Hawai'i pulled out of geothermal research projects on Hualalai in the face of shrinking funding, loss of staff, and a lawsuit over the need for state-mandated environmental assessment.

Still on the radar, unfortunately, is a bill before the state legislature to override county regulation of geothermal development.

HELCO has terminated a power purchase agreement with Hu Honua for failure to meet contract deadlines. Hu Honua planned to generate electricity by burning trees and other biomass. Sierra Club and neighbors voiced concerns about air and water quality, and about noisy trucks crowding neighborhood roads.

## Science Fair Participants Honored by Moku Loa Group

By Deborah Ward

Moku Loa Group recently recognized six outstanding students for research on Hawai'i's environment at the Hawai'i District Science and Engineering Fair held Saturday, February 13, 2016, in Hilo.

In the Senior Research Division, Felix C. Peng received the Mae Mull Award for his project entitled "Isolation of a novel marine microorganism capable of aromatic hydrocarbon degradation in East Hawaii," and Gabriel Low received the Mae Mull Award for his project entitled "Effect of the newly introduced brown anole on present lizard communities in Hilo." Jared J. K. Goodwin received the Don Worsencroft Physical Science award for the project "Heavy metal contamination levels of the 1960 Hilo tsunami zone."

In the Junior Research Division, Megan M. Nakamoto was recognized with the Wayne Gagne Award for her project entitled "Caterpillar cravings: A study of the food preferences of the *Noctuidae agrotis* caterpillar on Mauna Kea." Noe'ulakapalai Lindsey was recognized with the Ruth Lani Stemmermann award for her project "How do fresh water springs contribute to water quality?" Moku Loa Group also presented an award for Earth Science relating to Hawai'i to Halia Buchal and Hiroki Soler for a project entitled "Filtering water with Moringa particles."

The students each received certificates, membership, and contribution toward airfare to attend the state event. Through these awards, the Sierra Club members hope to honor scientists active in protecting our native ecosystems, and to encourage students to pursue scientific research in topics

related to the Hawaiian environment. We express our thanks to the judges: Jon Olson, Debbie Ward, and George Curtis.

Moku Loa Group welcomes contributions to its fund to support the Science Fair and other educational programs for students. Tax deductible donations may be made to Sierra Club Foundation (MLG) and mailed to the club c/o Moku Loa Group, P.O. Box 1137, Hilo, HI 96721. For more information, contact Deborah Ward at 769-2403.

## Outings Report

By Diane Ware

Come celebrate the National Park Service Centennial with Moku Loa Group outings in Hawai'i, hiking in Volcanoes National Park, Kaloko, Pu'u honua 'O Honaunau, and Pu'ukohola Heiau. Most of the outings are interpretive and some will be led by park rangers. We will also sponsor a program about the status, history, and planned release of the critically endangered Hawaiian 'alala in Hilo on the first Friday in May or June. For all events, check the Group web page for dates and details.

## High School Hikers Hawai'i Island

By Lisa Mason

The Moku Loa Group established a new High School Hikers program thanks to assistance from Diane Ware, Nelson Ho, Deborah Ward, and Joshua Noga. Currently, we have twenty high school members. Since August 2015, High School Hikers has joined several Moku Loa Group outings including hikes along the Ka'aohe Bay coastline (Rich Volger/Diane Ware), Kilauea Caldera (Linda Larish), Pu'u 'O'o (Diane Ware), and Lake Waiau on Mauna Kea (Nelson Ho). Additionally, Jon Olson,



with Na Hoa Holomoku, volunteered two days of sailing instruction for High School Hikers at Hilo Bay.

This February, High School Hikers Hawai'i Island had our first Ecology Camp in Manukā, Ka'ū. The three-day camp was led by conservation biologist Jennifer Randall from NARS, HYCC intern Kamaka Lewis, and Diane Ware from Moku Loa Group. Students learned about many of the conservation issues affecting dryland ecosystems in Hawai'i, native and nonnative plant identification, and the role of the Natural Area Reserve System in Manukā and across the Big Island. Students explored the Kaulanamauna ahupua'a from 5,000-feet to sea level, which included a two-mile loop trail at Manukā State Park and a visit to ancient petroglyphs at Manukā Bay. One of the highlights of camp was painting and hanging signs on the road to Manukā Bay to discourage illegal dumping in the area. A big mahalo to NARS for hosting our first Ecology Camp in Ka'ū. Upcoming High School Hikers outings include hikes into Pololū Valley (Kohala), Kilauea Iki (Hawai'i Volcanoes National Park), and Makalawena Beach (Kona).

## OUTINGS

### SEE PAGE 12 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, raingear, sturdy hiking shoes, hiking stick, hat/visor, and lunch.

For full descriptions and updates go to [hi.sierraclub.org/Hawaii/outings.html](http://hi.sierraclub.org/Hawaii/outings.html)

### Saturday, April 9

*Volcano Rainforest Hike - Route TBA (C)*  
D=4-5 miles, E= +/- 700'

This will be an afternoon hike followed by an optional Mongolian dinner at Cooper Center. Bring sturdy boots, water, and raingear for this hike. Leaders Diane Ware 967-8642 and Rich Vogler 328-8387

### Saturday, April 16

*Hilo Bayfront to Banyan Drive (E, F)*  
D = 3 miles, E = sea level

We will tour parts of downtown Hilo and then walk through Wailoa Park, Liliu'okalani Gardens, and Banyan Drive. Along the way we will talk about the beautiful trees and plants in the land-scape and point out historical sites. We will have our picnic lunch by the sea and maybe a swim, too. Come and join us. Leaders Linda Larish 966-6337 and Kana Covington 936-6406

### Saturday, April 30

*Volcanoes NP Kahuku Hike (E, F, C)*  
D = 4 miles, E= 4,500', +/- 300',  
Easy hike in Hawai'i Volcanoes National Park's Kahuku unit celebrating the NPS 100th anniversary. We will start at Lower Glover trailhead and loop through open country with 'ohia and koa trees, making a stop at the Forest Pit Crater. Water, raingear, and snack needed. Leaders Diane Ware 967-8642 and Rich Vogler 328-8387

### Saturday, May 7

*Humu'ula Trail (E)*  
D = 5 miles, E = 2,000', +/- 1000'  
Enjoy this historic trail with rich botanical wonders above the Hamakua coast. We won't try to go all the way to Keanakolu cabin, but instead we'll be learning the native plants along the first several hours

of the makai section. Bring a lunch for a convenient turn-around point. Leader Rob Culbertson (805) 316-1380.

### Saturday and Sunday, May 14-15

*Hakalau Wildlife Refuge Service Trip*  
D = 3 miles, E = 6,200' +/- 500'  
This service project will help with conservation high on the slope of Mauna Kea. Overnight is in a cabin where the bunk beds have mattresses. Participants will need to bring their own sleeping bags. Prepare for wet, chilly weather with good footwear, warm clothing, binoculars, and a daypack. After working we will be rewarded with the opportunity to birdwatch. Group size is limited. Fee for central commissary. Register with Michael or Sunny LaPlante 964-5017

### Sunday, May 15

*Restoration of Keau'ohana Rainforest (S, E, C)*  
D = 0.5 miles, E = 600'  
Join the nonprofit group Malama O Puna in its efforts to restore the largest and most intact lowland native forest remaining in the state. You will learn about a unique forest habitat with numerous native plant species including the endangered Ha'iwale that is only found in the Puna District. Bring mosquito repellent, work gloves, good boots, and a willingness to work. Leader Linda Larish 966-6337

### Saturday, May 28

*Sandalwood Service Outing near Saddle Road (S)*  
E = 7,000'  
Please join Mark Hanson and the Hawaiian Reforestation Program planting sandalwood and other native seedlings on Mauna Kea. Closed-toe

MLG Group Outings continued on page 12

## Kaua'i Outings

Continued from page 7

### Saturday, July 9

*Waimea River Walk and Float. 10 miles/ difficult (C/F)* We start at the Kukui Trailhead and hike down into Waimea Canyon and along the Waimea River jeep road. Bring floats to inflate and float down the irrigation canal for over a mile, passing through a tunnel. End at outskirts of Waimea town. Car shuttle back to Kukui Trailhead. Ken Fasig 346-1229

### Sunday, July 10

*Maha'ulepu and Makauwahi Cave/ South Shore/moderate/4 miles (C/E/F)* Enjoy the majestic coastline. Visit the world-class archeological cave site. Allan Rachap 212-3108

### Saturday, July 16

*Maha'ulepu Sunset to Moonrise Walk. South Shore/ Moderate/3.5 miles (C/E/F)* Start out mid-afternoon from Shipwreck Beach walking along the coast to Maha'ulepu. Enjoy the setting sun and a full moon rise. Spectacular coastal walk. We will shuttle cars for a one-way hike. Greg Peters (413) 522-3734

### Sunday, July 17

*Alaka'i Swamp Trail/ Koke'e/ 8 miles/* A strenuous trail and a boardwalk take us on a journey through native forest in Kaua'i's iconic high-altitude bog for a panoramic view out to the north shore at Kilohana. Jane Schmitt 826-6105

### Saturday, July 23

*Moloa'a Beach Cleanup. Northeast Shore/easy (S)* Help protect marine life,

seabirds, the reef, and ocean from litter and fishing net entanglement. Sierra Club and Surfrider team up for this effort. Look for organizations' signs. Bring hat and water. Gloves, bags, and snacks provided; 9 am to noon. Judy Dalton 482-1129 (Please call first as location might change.) ■

## Maui Outings

Continued from page 9

raingear. Limit 15. Register with Rob Weltman [robw@worldspot.com](mailto:robw@worldspot.com) or 354-0490

### Sunday, June 12

*Wailua Iki Stream Hike*  
(E/C) D = 6 miles R/T. Moderate hike above Hana Highway through beautiful forest on winding, muddy jeep roads. Pools, waterfalls, and lush plant life. Bring appropriate footwear, sunscreen, lunch, and water. Meet 8am Haiku Community Center. EMI WAIVER REQUIRED (see page 9). Limit: 15. Register with Lucienne de Naie [laluz@maui.net](mailto:laluz@maui.net) or 214-0147

### Saturday, June 18

*Honolua Snorkel, Lipoa Point Hike*  
(C/E) D = 3 miles R/T. Explore Honolua Valley and Lipoa Point with Hawaiian cultural sites, amazing views, and a chance to swim in the bay. Bring hat, sunscreen, water, lunch/snacks, and swimwear. Meet 8am Maui Ocean Center parking lot across from Carls Jr. to carpool. Limit 12. Register with Miranda Camp [mauimiranda@hotmail.com](mailto:mauimiranda@hotmail.com)

### Saturday, July 9

*Huelo Stream Exploration (no EMI waiver) on private land*

(E/C)D = 2.5 miles. Explore Huelo streams. Walk on kuleana lands (with owner's permission) and along streams to discover ancient Hawaiian sites hidden in the jungle. Bug repellent, water, lunch, stream hiking footwear, and raincoat. Meet 9am top of Door of Faith Rd, Huelo. Limit 15. Register with Lucienne de Naie [laluz@maui.net](mailto:laluz@maui.net) or 214-0147

### Sunday, July 17

*Haleakalā Supply Trail Hike*  
(E) D = 5 miles R/T. Moderate, but high altitude. Beautiful views along trail. Begin Hosmer's Grove campground uphill 2.5 miles to crater rim (lunch and views). Prepare for wet/windy conditions. Meet 8:30am Pukalani Terrace Shopping Center near Ace Hardware. Wear footwear for rocky conditions. Bring hat, jacket, lunch, plenty of water, and a park pass (if you have). Register with Robin West [rwest808@yahoo.com](mailto:rwest808@yahoo.com) or 277-7267

### Sunday, July 31

*Makawao Forest Reserve*  
D = 6 miles RT. Left side of road, 3-mile climb up trails and jeep road, moderately strenuous and muddy. Meet 8:30am at parking lot across from St. Joseph's Church (Makawao Ave.). Limit 18. Register with Robin West [rwest808@yahoo.com](mailto:rwest808@yahoo.com) or 277-7267 ■

## Moka Loa Outings

Continued from page 11

shoes, sunscreen, and raingear are suggested for this rain or shine project. We should be done by about 3 pm, so please bring lunch, snacks, and water.

## SIERRA CLUB OUTINGS POLICY

For all the Sierra Club Outings: The 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](http://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.



Leader Rob Culbertson (805) 316-1380.

**Saturday, May 28**

*Kaloko Honokohau NP Shoreline Hike (E, F)*  
D = 5 miles, E = sea level  
Celebrate the NPS 100th anniversary at Kaloko Honokohau NP. This exposed coastal hike from Honokohau Harbor to Kaloko Fishpond will pass some cultural sites and fishponds. Bring water, sun protection, and swimsuit for possible swim after hike. Leaders Diane Ware 967-8642 and Rich Vogler 328-8387

**Saturday, June 11**

*Pu'ukohola Heiau Hike (E, F, C)*  
D = 3 miles, E = sea level  
This educational hike starts at Spencer Beach and winds through King Kamehameha I historical sites. Swimming and picnicking after hike. Bring lunch, sun protection, and lots of water. Leaders Diane Ware 967-8642 and Rich Vogler 328-8387

**Saturday, June 25**

*Pu'u O'o Trail Day Hike (Saddle Road)*  
D = up to 8 miles, E = 5,700'  
This trail goes through native forest kipukas and old lava flows. We'll go as far as the group decides, have lunch, and then return the same way. Weather subject to change, so bring raingear, lunch, sturdy shoes, and water. Contact Sunny or Michael LaPlante 964-5017

**Saturday and Sunday, July 2-3**

*Pepeiao Cabin Backpack (E, C)*  
D = 9.6 mile, E = 700', +/- 700'  
Hike from Hilina Pali Road across lava flows and grasslands to a cabin in a koa/ohia grove. Enjoy views of the coast and Mauna Loa. Leaders Linda Larish 966-6337 and Diane Ware 967-8642

**Saturday, July 30**

*Ranger-led hike in HVNP (E, C, F)*  
D=3 miles, E=sea level  
This will be an interpretive hike about cultural sites along the park coastline with emphasis on Hawaiian salt collection practices. An After Dark in the Park talk on 7/26 will discuss salt collection in detail. Leaders Rich Vogler 328-8387 and Diane Ware 967-8642 ■



Explore, enjoy and protect the planet

# All Creatures Great & Small



**"Every good thing, great and small, needs defense"**  
- John Muir

**Join Sierra Club and help protect all creatures, great & small**

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Phone \_\_\_\_\_  
Email \_\_\_\_\_

Join today and receive a **FREE Sierra Club Weekender Bag!**



Check enclosed. Please make payable to Sierra Club

Please charge my:  Visa  Mastercard  AMEX

Cardholder Name \_\_\_\_\_

Card Number \_\_\_\_\_ Exp. Date \_\_\_\_/\_\_\_\_/\_\_\_\_

Signature \_\_\_\_\_

Membership Categories	Individual	Joint
Special Offer	<input type="checkbox"/> \$ 15	N/A
Standard	<input type="checkbox"/> \$ 39	<input type="checkbox"/> \$ 49
Supporting	<input type="checkbox"/> \$ 75	<input type="checkbox"/> \$ 100
Contributing	<input type="checkbox"/> \$ 150	<input type="checkbox"/> \$ 175
Life	<input type="checkbox"/> \$ 1000	<input type="checkbox"/> \$ 1250
Senior	<input type="checkbox"/> \$ 25	<input type="checkbox"/> \$ 35
Student	<input type="checkbox"/> \$ 25	<input type="checkbox"/> \$ 35
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.

Enclose a check and mail to:  
Sierra Club, PO Box 421041  
Palm Coast, FL 32142-1041

F94Q  W 2400 1

or visit our website: [www.sierraclub.org](http://www.sierraclub.org)

## A&B *Continued from page 1*

maintain monopolistic control of East Maui water or to pump up the price of its land is not justification enough to divert public water away from our streams.

After battling to restore stream flows for decades, East Maui residents recently won a circuit court victory invalidating A&B's water diversion permits. A&B is appealing, but admits that it does not have a plan for using the water. A&B has no basis for continuing to divert East Maui streams.

*After battling to restore stream flows for decades, East Maui residents recently won a circuit court victory invalidating A&B's water diversion permits. A&B is appealing, but admits that it does not have a plan for using the water. A&B has no basis for continuing to divert East Maui streams.*

The legislature should reject A&B's proposal to change the law to allow it to continue diverting water. HB2501 gives public resources to a private corporation for fuzzy, unenforceable promises of future benefit. Sugar is no longer king in Hawai'i; there is no reason to give away valuable public resources just because a former sugar plantation asks for it. HB2501 harms stream life, taro farming, and traditional gathering practices—all for the benefit of a multi-billion-dollar corporation.

The time has come to fully restore the streams of East Maui. ■



*“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.”*

### MAIN OFFICE

Mail ..... P.O. Box 2577, Honolulu, HI 96803  
Office Location ..... Room 306, 1040 Richards Street, Honolulu, HI 96813  
Telephone ..... (808) 538-6616  
Email ..... [hawaii.chapter@sierraclub.org](mailto:hawaii.chapter@sierraclub.org)  
Web ..... [www.sierraclubhawaii.org](http://www.sierraclubhawaii.org)

### PROFESSIONAL STAFF

Director ..... **Marti Townsend** • [marti.townsend@sierraclub.org](mailto:marti.townsend@sierraclub.org)  
Conservation Program Coordinator ..... **Joshua Noga** • [joshua.noga@sierraclub.org](mailto:joshua.noga@sierraclub.org)

### CHAPTER EXECUTIVE COMMITTEE

Chair ..... **David Kimo Frankel** • [davidkimofrankel@hawaiiintel.net](mailto:davidkimofrankel@hawaiiintel.net)  
Vice Chair ..... **Lucienne de Naie** • [laluz@maui.net](mailto:laluz@maui.net)  
Secretary ..... **Roberta Brashear-Kaulfers** • [brashear@hawaii.edu](mailto:brashear@hawaii.edu)  
Treasurer ..... **Nara Takakawa** • [ntakakawa@gmail.com](mailto:ntakakawa@gmail.com)  
Hawai'i Service Trip ..... **Janice Marsters** • [janicem@lava.net](mailto:janicem@lava.net)  
High School Hikers ..... **Jamie Tanino** • [jamie@highschoolhikers.org](mailto:jamie@highschoolhikers.org)  
Kaua'i Group ..... **Gregory Peters** • [peters.gregm@gmail.com](mailto:peters.gregm@gmail.com)  
Maui Group ..... **Sara Tekula** • [spectekula@gmail.com](mailto:spectekula@gmail.com)  
Moku Loa Group ..... **Nelson Ho** • [nho.hoku@gmail.com](mailto:nho.hoku@gmail.com)  
O'ahu Group ..... **Rand Ching** • [ohurandy@yahoo.com](mailto:ohurandy@yahoo.com)  
At-Large ..... **Roberta Brashear-Kaulfers** • [brashear@hawaii.edu](mailto:brashear@hawaii.edu)  
At-Large ..... **Lucienne de Naie** • [laluz@maui.net](mailto:laluz@maui.net)  
At-Large ..... **David Kimo Frankel** • [davidkimofrankel@hawaiiintel.net](mailto:davidkimofrankel@hawaiiintel.net)  
At-Large ..... **Alana Bryant** • [8alana8@gmail.com](mailto:8alana8@gmail.com)  
At-Large ..... **Steve Holmes** • [councilmemberholmes@yahoo.com](mailto:councilmemberholmes@yahoo.com)  
At-Large ..... **Colin Yost** • [colin@revolusun.com](mailto:colin@revolusun.com)

### HAWAII SERVICE TRIP PROGRAM

Chair ..... **Janice Marsters** • 988-3899 • [janicem@lava.net](mailto:janicem@lava.net)  
Leadership Development ..... **John Cummings III** • 527-5490  
Finance ..... **Pauline Sato** • 621-2008  
Secretary ..... **Waimea Williams** • 239-5423  
Project Evaluation ..... **Amber O'Reilly**  
Recruitment ..... **Scott Rowland** • 259-5416

### HIGH SCHOOL HIKERS PROGRAM

President ..... **Jamie Tanino** • [jamie@highschoolhikers.org](mailto:jamie@highschoolhikers.org)  
Vice President ..... **Erron Yoshioka** • [miki\\_yosh@yahoo.com](mailto:miki_yosh@yahoo.com)  
Outings ..... **John M. Cummings III** • [jcumplings@honolulu.gov](mailto:jcumplings@honolulu.gov)  
Ecology Camp ..... **Jamie Tanino** • [jamie@highschoolhikers.org](mailto:jamie@highschoolhikers.org)



MĀLAMA I KA HONU  
Cherish the Earth

**Editor:** David Kimo Frankel: [davidkimofrankel@hawaiiintel.net](mailto:davidkimofrankel@hawaiiintel.net)

**Layout & Design:** Geoffrey T. Moore

**Editorial Board:** Janice Marsters, Geoffrey T. Moore, Deborah Ward

The *Mālama I Ka Honua* is published quarterly by the Hawai'i Chapter of the Sierra Club, P.O. Box 2577, Honolulu, HI 96803. A small portion of the annual Sierra Club dues goes toward a one-year subscription.

Contribution of news, opinion, art, and photography may be sent electronically to: [hawaii.chapter@sierraclub.org](mailto:hawaii.chapter@sierraclub.org) or by post:

c/o the Hawai'i Chapter, P.O. Box 2577, Honolulu, HI 96803.

Submissions must be received by the first of the month prior to the date of publication.

Articles, graphics, and photos are copyrighted by the authors and artists and may be reprinted only with permission.

The *Mālama* is printed on recycled paper. Please recycle it again! Members may elect to receive only an electronic subscription of the *Mālama I Ka Honua* at [sierraclubhawaii.org/newsletter](http://sierraclubhawaii.org/newsletter)

### ADVERTISEMENT RATES:

Full page (\$350)  
Half page (\$250)  
1/4 page (\$110)  
1/8 page (\$60)  
Business Cards (\$50)

These rates are subject to change. The *Mālama* accepts political advertisements only from candidates endorsed by the Hawai'i Chapter.

# Lā Hana: Working Toward Water Security on Ka'ōnohi Farm

By Joshua Noga, Conservation Program Coordinator, Sierra Club of Hawai'i, and Kimberly Moa, Communications Coordinator, Kua'āina Ulu 'Auamo

As a part of an exciting new addition to our outings program, we are partnering with local farmers to present a series of Saturday “Lā Hana” (workdays) designed to highlight key campaign issues that affect communities around Hawai'i. The first in this series, organized in partnership with local organic farmer Anthony Kawika Deluze, took place on February 6 at Ka'ōnohi Farm.

Armed with 'ōō (digging sticks) and machetes, an eager group of Sierra Club members and community volunteers gathered together to help “open up” one of the larger lo'i kalo on the makai end of the two-acre farm located in the traditional Hawaiian land division of Kalauao ahapua'a—currently known as the city of 'Aiea.

“Everyone jumped in and got muddy,” said volunteer Wally Ito, who was happy to see people turn out in support of the ongoing restoration efforts at Ka'ōnohi. “It was a good mix of people from diverse backgrounds,” said Ito, who connected with Deluze through their mutual affiliation with E Alu Pū, a statewide network of place-based community stewardship groups, facilitated by local nonprofit Kua'āina Ulu 'Auamo (KUA).

Situated just a mile north of Pearl Harbor—formerly known as Pu'uloa—Ka'ōnohi was once connected to a network of irrigated field systems that made up one of the most agriculturally productive areas on O'ahu, second only to Waikiki.

Today, set amidst a heavily urbanized landscape of shopping malls and transit-oriented development



projects, Ka'ōnohi is a tiny remnant of the rich agricultural history that once dominated the 'Ewa Plain long before the “Big Five” set up shop in town.

Now one of only a handful of working lo'i kalo in the 'Ewa District, Ka'ōnohi serves as a pu'uhonua for native wetland species, including 'alae 'ula (*gallinula chloropus sandvicensis*), 'auku'u (*nycticorax nycticorax hoactli*), and ae'ō (*himantopus mexicanus knudseni*), and anyone seeking refuge from the traffic jams along Kamehameha Hwy.

In addition to cultivating native heirloom fruits and vegetables, Anthony Deluze, with the help of his 15-year-old son, Josiah, and a handful of dedicated volunteers, has been able to restore 18 traditionally functioning lo'i kalo from which his 'ohana harvests and mills their own poi.

Transforming Ka'ōnohi Farm into the productive lo'i kalo and kipuka has been a labor of love for the windward O'ahu native, who moved his family to Hālawā in 2011.

“It hasn't always been easy,” Deluze recalled of his early efforts to clean up years worth of trash and debris on the two-acre site. “The freshwater springs were plugged up,” he said, alluding to the challenges he has faced in managing the water resources in the area along the way.

Unlike lo'i that are typically fed by a combination of streams and freshwater springs known as 'auwai, Ka'ōnohi Farm relies heavily on the health of its aquifer

to provide it with the fresh water needed for sustainable kalo cultivation.

“Without clean, fresh water this lo'i would die,” said Deluze, speaking about the challenges inherent in maintaining a watershed that's been carved out and diverted for more than a century. “We all need clean water; nothing more important than that,” he reiterated while demonstrating the basics of gridding and opening up lo'i for the group.

Following the workday portion of the outing, the group circled up for a pau hana talkstory session. As the group gathered around a lunchtime meal of kalua pig, lomi lomi salmon, and poi, the discussion focused on issues of food and water security.

Less than two miles from the Red Hill Bulk Fuel Storage Facility tanks that were discovered in 2014 to have leaked 27,000 gallons of jet fuel into nearby groundwater wells, talk of the threat to nearby aquifers that also provide drinking water to 400,000 residents and visitors on O'ahu daily touched close to home for those in attendance at the Ka'ōnohi workday.

“Something needs to be done immediately,” said Ito, reflecting on the mitigation efforts thus far and the fact that nearly half of those in the talking circle had never heard about the Red Hill fuel leak.

Gathered there, learning about the Sierra Club's efforts to create awareness of threats to our watershed, at the edge of a plot of land dedicated to ensuring our food security and restoring the wai to Ka'ōnohi, proved to be a valuable learning opportunity and a good place to start in getting something done.

The next Lā Hana at Ka'ōnohi Farm is scheduled for Saturday, May 7, at 8:30 a.m. To learn more about getting involved in these community workdays contact [joshua.noga@sierraclub.org](mailto:joshua.noga@sierraclub.org).



SIERRA CLUB  
OF HAWAII  
P.O. Box 2577  
Honolulu, HI 96803

Non-Profit  
Organization  
U.S. Postage  
PAID  
Honolulu, HI  
Permit No. 1284

## INSIDE:

Legislators Consider  
Corporate Subsidy to A&B

Lā Hana: Working  
Toward Water Security  
on Ka'ōnohi Farm

Red Hill Progress

Chapter Reports & Outings

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

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

APRIL - JULY 2016

# Next Steps in NextEra's Struggle to Acquire Hawaiian Electric

*By Marti Townsend, Chapter Director*

After three major sessions of cross-examination, the Public Utilities Commission finally closed the evidentiary phase of the NextEra merger docket. The parties are now in the month-long process of writing their final arguments for or against the takeover bid. The PUC will consider all of the evidence and written arguments and then make a final determination.

Energy industry analysts doubt that the takeover deal will happen before the June deadline established by contract between NextEra and Hawaiian Electric Industries. Some even doubt it will happen at all given the public's strong opposition to the proposal. If the takeover does not happen by June 2016 (either because the PUC decides against it or because it just hasn't made a decision by then), then the contract entitles Hawaiian Electric to a \$90 million payment from NextEra.

The legislature is considering HB 2567, which seeks to clarify the definition of "substantial net benefit" in the state law that governs the PUC's decision on the NextEra takeover bid.

