



MĀLAMA I KA HONUA

A Quarterly Journal of the SIERRA CLUB OF HAWAI'I

APRIL-JUNE 2017



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Clean Energy Here, Safe Communities There

by Will Giese, UH School of Public Administration Intern

As part of his graduate degree, Will is working in our office twice a week for the Spring semester.

When I was twelve, my mother took me and my younger brother to our first protest. Many of the defining moments in my life revolved around demonstrations, protests, and civil disobedience. I got detention for condemning schools for their continued use of offensive Native American stereotypes. I spent my last dollar going to the Rally to Restore Sanity and/or Fear. I almost ran myself off a cliff driving an ATV around the mountains in Tennessee collecting data to prosecute natural gas companies for unsafe drilling practices. I marched with thousands women and men around Hawai'i's capitol on January 21. Moments like these are defining to me in the same way they are defining the thousands of people who participated in protests against the Dakota Access Pipeline across the globe.

As of February 23rd, 2017 all of the protestors across multiple camps have been forcibly removed after the Trump Administration signed an Executive Order to "review and approve in an expedited manner" the Dakota Access Pipeline (DAPL). This comes after the Standing Rock Sioux's three year fight against the project and 10 months of Native American tribal leaders, environmental activists, civil rights groups, and communities protesting around the world in opposition to the construction of DAPL. DAPL negatively impacts millions of people by threatening their primary drinking water source and their livelihood, while slowing progress towards a sustainable world by continuing the reliance on fossil fuels.

For me, this is an astounding example of citizens banding together in common cause for the protection of our planet. The water protectors faced militant police forces and risked their personal safety to stop the construction of a dangerous and regressive fossil fuel pipeline. And for many, it marks the beginning of another terrifying chapter in American history for the public's wellbeing, civil rights, and the environment.

But how does this affect us in Hawai'i, 3,600 miles from North Dakota?

Hawai'i has an aggressive plan to steer us away from these types of fuels, yet our state still generates over 75% of its energy from petroleum. While our state institutions work to bring us closer to this goal, special interests and the status quo thwart these efforts at every stage. Projects like DAPL transport oil across the

country which ultimately ends up here in Hawai'i where it is used to generate our electricity. Hawai'i's reliance on fossil fuels threatens the safety and health of thousands of communities that live near oil transport pipelines and fracking sites. Locally, our institutions continually work against our interests by funding these types of projects.

First Hawaiian Bank is one such offender. Claiming to "help build stronger, healthier communities" yet engaging in activities that harm. Through a series of deceptive and convoluted corporate mechanisms, FHB takes our money and puts it right into DAPL. FHB's parent company, BNP Paribas, has invested over \$400 million in this project. The Sierra Club of Hawai'i has asked FHB to put their money where their mouth is by divesting from the DAPL project and any other fossil fuel infrastructure projects by the end of 2017. To date, almost \$2 million has been pulled out of FHB because people like you believe that building stronger communities happens everywhere, not just Hawai'i.

To me, protesting isn't only standing out in the cold, screaming at the top of my lungs. Protesting is a means of taking action and of unifying separate interests towards a common goal. For the people of Hawai'i, protesting DAPL and standing with Standing Rock is more than going to North Dakota. We stand with Standing Rock every time we choose to take the bus instead of drive, when we divest from banks with dirty investments or when we go to a shareholder meeting and stand to say "No! This is not okay!"

Standing apart from each other when deciding whether to drill for more oil, to blow the top off another mountain, or construct another gas-powered generator makes little sense. We all must live here together on this planet. We don't get another one. We should not be deciding where to dig for more oil, but how to live without it. We should speak out against those who would say otherwise, regardless of where we are.

DAPL construction may have been completed and the camps emptied but we will continue to stand in unity with communities around the world to protect the Earth from the interests that threaten it. We will continue to press our institutions to divest from fossil fuels, we will continue to move toward renewable energies, and we will continue to challenge those that try to suppress the voices of the people.



Persistent Resistance to Save the World

by Marti Townsend, Director

As the flames go out at the #NoDAPL camps and the Trump Administration prepares to gut key environmental protections, find strength in knowing the resistance to a climate-killing economy is taking root in communities across the globe. Collectively, we are the planet's best defense, and we are not giving up.

The global fight to save our home manifests itself in Hawai'i via:

- Dramatic clean energy policies that make communities everywhere safer by ending our dependence on fossil fuels and promoting climate-saving practices. This is HB1580 establishing a zero emissions ground transportation system, HB848 allowing UH to generate its own renewable energy, and SB665 offering tax incentives for renewable energy. As well as HB1578 promoting climate-friendly farming, SB1088 piloting a local certified carbon-capturing forestry program, and SB559 adopting the Paris Climate Agreement as state law.
- Divestment campaigns to cut-off funding for deadly fossil fuel projects. This applies to local financial leaders like First Hawaiian Bank, as well as Hawaiian Electric utility itself. Hawai'i made the commitment to a 100% clean energy future, it is time these local financial institutions stand with us in that commitment. Get ready for shareholder meetings in throughout April. Sign up here to receive updates.
- Doubling-down on Red Hill to make sure the spilled fuel is cleaned up and all future spills are prevented because that is what is necessary to protect our children's water. Federal law gives Hawai'i's Department of Health the authority to regulate ALL underground storage tanks, even those operated by the military, and we will help make sure they do that.

Now that the EPA is on the chopping block, Hawai'i needs to ensure it has every tool available to protect our own natural and cultural resources. We need to fully fund our state and local agencies responsible for enforcing Hawai'i's laws and regulations that protect our natural resources since we can no longer rely on the EPA to protect our public health and environment for us.

We know what needs to be done. And we can do it. Already communities are cutting off the fossil fuel industry with bold commitments to clean energy, divesting from fossil fuels, and introducing bills to empower their state to guard against the dissolution of the EPA. Saving the planet for future generations starts right here at home, so please help support the Sierra Club of Hawai'i.

Welcome Asami Kobayashi to the team!

As a young student organizer for various political campaigns and a big lover of the outdoors, Asami joins us as our Chapter Volunteer Coordinator. She is currently an undergraduate student at the University of Hawai'i at Mānoa studying biology with a minor in political science and volunteers much of her time working to get environmentally-friendly, progressive politicians elected. Inspired by U.S. Senator Bernie Sanders' political revolution, she founded the Students for Bernie Sanders at UH Mānoa to create a movement for his 2017 presidential campaign and founded the Hawai'i Chapter of the Young Progressives Demanding Action to continue the revolution. Because of her work on this campaign, she was elected as a delegate for the Senator to represent Hawai'i at the Democratic National Convention. Asami hopes to contribute her skills to help the Sierra Club fight climate change and mobilize people to become active in their communities. On her very occasional free time, she likes to go traveling, hiking, and beaching.



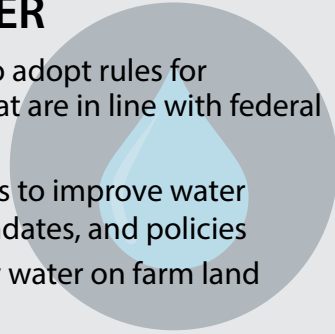
Crossover Check-up:

Many good bills met their end before crossover, the halfway point of the local legislative session. HB790 a reasonable disclosure requirement on industrial pesticide use was killed on the floor without a vote. SB1109 to restrict the use of styrofoam never got a hearing in the Consumer Protection and Health Committee, chaired by Senator Rosalyn Baker of Lahaina. SB1259 to speed up leak-prevention improvements at the Red Hill fuel storage facility also never got a hearing in Senator Baker's CPH committee.

BILLS THAT DIED AT CROSSOVER

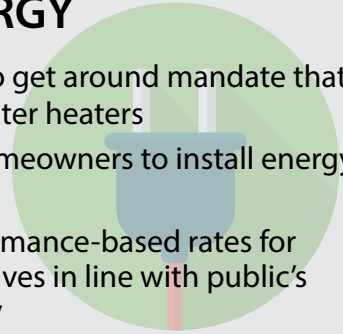
WATER

- **SB1259** - Required the state to adopt rules for underground storage tanks that are in line with federal regulations (Red Hill Bill)
- **HB173/HB838/HB636** - Efforts to improve water security through funding, mandates, and policies
- **HB777** - Allowed reuse of gray water on farm land



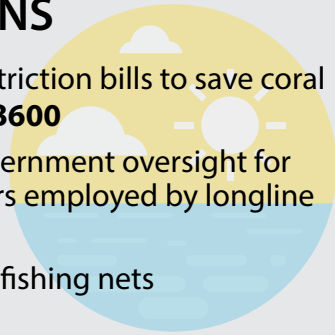
ENERGY

- **SB1121** - Closed loophole to get around mandate that all new homes have solar water heaters
- **SB660** - Tax incentive for homeowners to install energy storage equipment
- **HB1283** - Established performance-based rates for HECO to bring its profit-motives in line with public's interest in renewable energy



OCEANS

- Several sunscreen ban and restriction bills to save coral reefs, including our favorite **HB600**
- **HB428/SB152** - Increased government oversight for the protection of foreign fishers employed by longline industry
- **SB259** - Required labels on all fishing nets



FORESTS

- **SB703/709** - Funding for trail maintenance
- **HB479** - Funding for hiker safety education
- **HB1472/HB1004/HB1247** - Funding for Rapid 'Ōhi'a Death research



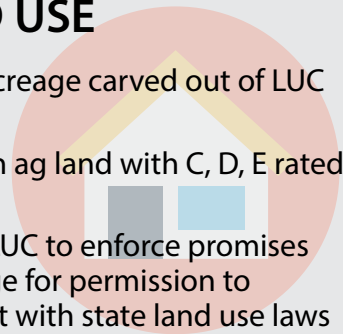
AGRICULTURE

- **HB 790** - Public notification requirements for use of pesticides and insecticides
- **SB830** - Created an income tax credit based on property taxes to incentivize leasing land for community food forests



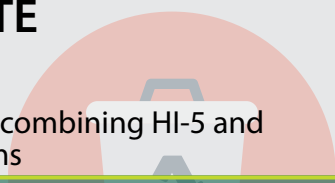
LAND USE

- **SB485/HB333** - Increased acreage carved out of LUC jurisdiction
- **HB778** - Allowed housing on ag land with C, D, E rated soil
- **SB1136** - Increased staff at LUC to enforce promises developers make in exchange for permission to construct things inconsistent with state land use laws



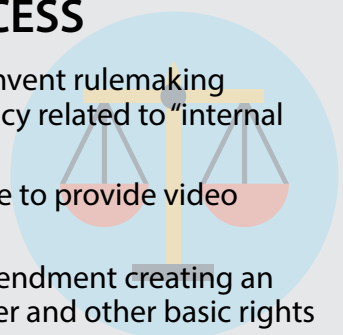
WASTE

- **SB1109** - Ban on styrofoam
- **HB184** - Improve recycling by combining HI-5 and Advanced Deposit Fee programs



PROCESS

- **HB426** - Allows UH to circumvent rulemaking requirements for certain policy related to "internal management"
- **HB154** - Required Legislature to provide video testimony capabilities
- **HB1582** - Constitutional amendment creating an individual right to clean water and other basic rights



There are almost two months left in the 2017 legislative session. Plenty of time to still get involved. If you would like to learn how to present testimony, understand how a bill becomes a law in Hawai'i, and help improve protections in your community, then please connect with us. Sign up at sierraclubhawaii.org.

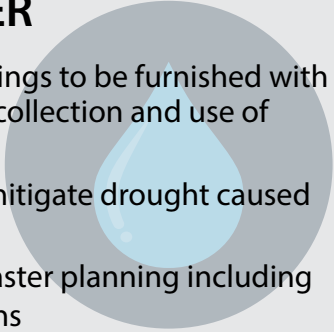
bill status at this session's halfway point

There is still hope for some big ideas, though. We are excited for the passage of HB1580 to set a goal for zero-emission ground transportation. SB1088 pilots a local certification for carbon storage programs starting with a forest on Haleakalā. SB559 adopts the Paris Climate Agreement as our own. And several bills seek to protect drinking water in a future altered by climate change.

Key:
■ Good Bill
■ Bad Bill

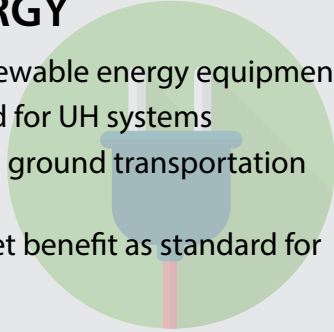
BILLS THAT SURVIVED CROSSOVER

WATER



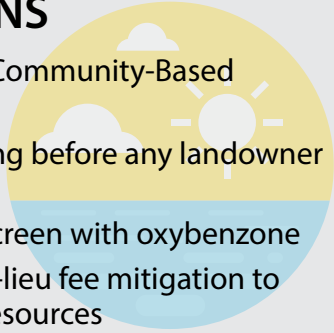
- **SB555** - Requires all new buildings to be furnished with equipment that allows for the collection and use of gray water
- **HB630** - Staff and funding to mitigate drought caused by climate change
- **HB1417** - Requires natural disaster planning including emergency drinking water plans

ENERGY



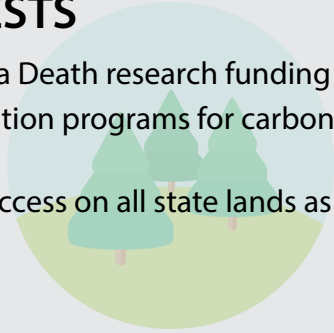
- **HB1593** - Tax rebate for renewable energy equipment
- **HB848** - Allows for microgrid for UH systems
- **HB1580** - Sets zero emission ground transportation goal for 2025
- **HB1566** - Sets substantial net benefit as standard for the sale of Hawaiian Electric

OCEANS



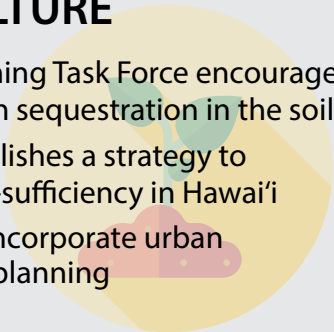
- **HB861** - Supports creation of Community-Based Subsistence Fishing Areas
- **HB437** - Requires public hearing before any landowner can build seawall
- **SB1150** - Restricts use of sunscreen with oxybenzone
- **SB110** - Allows DLNR to use in-lieu fee mitigation to care for aquatic habitats and resources

FORESTS



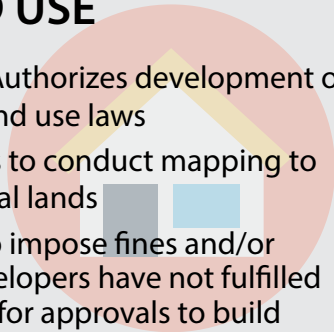
- **SB1239/HB100** - Rapid 'Ōhi'a Death research funding
- **SB1088** - Funds and certification programs for carbon storage forestry
- **HB1142/SB895** - Classifies access on all state lands as criminal trespass

AGRICULTURE



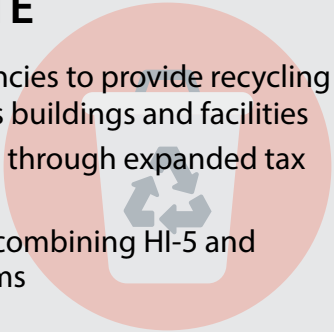
- **HB1578** - Creates Carbon Farming Task Force encourage ag practices to promote carbon sequestration in the soil
- **SB624/SB1313/HB891** - Establishes a strategy to increase food security and self-sufficiency in Hawai'i
- **SB340** - Requires counties to incorporate urban agriculture into their land use planning

LAND USE



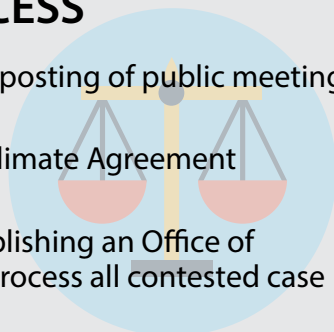
- **HB1469/HB575/HB1479** - Authorizes development on public lands that sidestep land use laws
- **HB1584** - Funds for counties to conduct mapping to protect important agricultural lands
- **SB629** - Empowers te LUC to impose fines and/or modify decisions where developers have not fulfilled promises made in exchange for approvals to build

WASTE



- **HB523** - Requires all state agencies to provide recycling collection methods at agency's buildings and facilities
- **HB1244** - Phases out cesspools through expanded tax credit to homeowners
- **SB301** - Improve recycling by combining HI-5 and Advanced Deposit Fee programs

PROCESS



- **HB165** - Requires electronic posting of public meeting notices and updates
- **SB559** - Incorporates Paris Climate Agreement requirements into state law
- **HB77** - Study option of establishing an Office of Administrative Hearings to process all contested case hearing requests

Nate's Adventures: Koa Butterfly

by Nathan Yuen

One of the cutest native insects is the Koa Butterfly, also known as Blackburn's Butterfly or the Hawaiian Blue – *Udara Blackburnii*. The Koa Butterfly is one of only two butterfly species endemic to the Hawaiian Islands.



The top sides of the wings are blue, which give butterflies in this group their common name, the "blues". When light reflects off the iridescent scales on the top-side of the wings, the Hawaiian Blue is spectacular to see.

The Koa Butterfly has a wingspan of about an inch. When a koa butterfly lands it usually holds its wings upright which displays the underside of its turquoise green wings. When they feed, the butterflies unfurl their coiled-up proboscis into along straw to sip the sugary nectar at the bottom of the flower.



Koa Butterflies are fascinating to examine up-close. The wings are covered with rows of iridescent scales that reflect the light. The body is covered in a wooly fuzz.



The caterpillars have an odd shape and eat the leaves of koa, hence the name, Koa Butterfly, although they can also feed on 'a'ali'i, olomea, and mamaki. This cute little caterpillar will pupate and emerge a magnificent Koa Butterfly in just a matter of weeks.

Nathan Yuen
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Coalition To Protect Hawai'i

This session the Sierra Club of Hawai'i intentionally reached out to fellow advocates in other sectors within the progressive movement to lock-arms in the common struggle to engage our communities more, improve our democracy, and ultimately save our planet. Because we want to change everything, we need everyone.

Specifically, our Chapter ExCom took positions in support of:

Improved Voter Access

Common Cause of Hawai'i continues to champion reducing obstacles to voting. Their key initiatives this year are vote by mail and automatic voter registration. The Sierra Club joined six other progressive advocacy groups in supporting these efforts to improve voter participation. Together these programs are expected to save the state \$800,000 per election cycle, improve the security and accuracy of voter data, and significantly increase voter participation. These goals are all essential to ensuring a functional democracy.

Affordable Housing

Sierra Club joined with Aikea and UNITE HERE/Local 5 in opposition to bills that allow currently illegal vacation rentals to continue without limitation, often referred to as AirBnB bills. A version of these bills passed the Legislature last session and was vetoed by Gov. Ige. This session, it appears these bills do not have a strong likelihood of passing without major revisions.

We know the vacation rental market is a major contributor to the lack of affordable housing in Hawai'i. At the same time that the Sierra Club works hard to protect rural lands from urban sprawl, we also need to stand in support of those working to reduce the pressures fueling that sprawl.

Courts

The Sierra Club joined League of Women Voters and many others in opposing efforts to undermine the independence of Hawai'i's judicial system by requiring the appointment of state judges to be re-considered at set intervals. Hawai'i is blessed to have a very progressive state court system working to improve access to justice for all and interpreting our state laws and regulations in the most-protective ways possible.

Tax Fairness

Hawai'i Appleseed spearheads a coalition of economic justice advocates working to flip our current tax structure which so disproportionately burdens the poor. Their omnibus package seeks to establish an Earned Income Tax Credit, increase tax rebates for food and rent, and then increase taxes on the top one percent of taxpayers in Hawai'i to cover the loss of revenue.

One of my favorite things to photograph is the face. How cute is that little butterfly!

is an artist/photographer/naturalist whose body of work is a hiking, conservation, and fine art photography. Each weekend in hiking, backpacking, or kayaking to out-of-the-way locations in 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 glimpse of them for future generations. You can view his art and read his adventures at hawaiianforest.com.

O'ahu Group Report



By Anthony Aalto, O'ahu Group Chair

Our new Coordinator Jodi Malinoski and our advisor Gary Gill have had several meetings with members of the City Council, their staff, and members of the city administration. The Executive Committee had a 2½ hour meeting with the Mayor and several of his department directors and senior staff. These meetings have helped us push several important initiatives at Honolulu Hale.

The Mayor has agreed:

- To use the **Office of Climate Change** that we helped create, to establish a multi-disciplinary team to lead and coordinate work across all city departments to start the process of building resiliency and adapting to climate change and sea level rise. He is seeking a staff of seven in the current budget which would give this office some real teeth.
- To create a position of **Energy Policy Coordinator** in the Office of Climate Change to draft and implement an ambitious agenda of energy retrofits and upgrades to all city and county facilities. We have suggested adopting a commitment to make all city properties “fossil-fuel free by 2023.” We believe the city has an opportunity to save significant sums on its utility bill through energy modernization as well as cutting greenhouse gas emissions.
- To create a post of **Food Policy Coordinator** to help boost demand for locally grown food.
- To implement a program to **swap out TheBus fleet of diesel vehicles** with electric buses. We hope to see an electric bus demonstration project here in Honolulu.
- To **swap out The HandiVan fleet** with clean energy vehicles.
- To require the managers of the HART rail project to revisit the idea of building their own microgrid to power the rail system as soon as it goes into service. We believe a microgrid will enable HART to use renewable energy and save tens of millions of dollars compared to rates that HECO is currently proposing to charge. Although all electricity on O'ahu will ultimately have to be generated from renewable sources, we do not want to have to wait until the state's 2045 renewable energy deadline to meet that goal.
- To press the managers of the HART rail project to consider a number of other initiatives we have

proposed to make the project more sustainable, including installing wayside storage to take advantage of the power produced by the trains' regenerative braking technology, using thermally efficient insulated concrete forms to reduce the air-conditioning demands of the power substations, LEED-certifying the stations, installing a closed-loop thermal distillation facility to handle construction debris and passenger waste in an environmentally-friendly way and so on.

- To support our efforts to persuade the Navy to **move rapidly toward secondary containment of the Red Hill fuel storage tanks**.
- To rapidly expand the city's **protected bike path network**.
- To work with us to try to block the **Dillingham Ranch fake farm** suburban sprawl project and develop new regulations to **restrict “gentleman farms”** in the countryside.
- To **oppose development of the Envision Lā'ie project** which would have built a new 1000-home suburban town in Lā'ie.

In our meeting with Ikaika Anderson, Chair of the Zoning and Transportation Committee, he agreed to introduce the Ko'olau Loa Sustainable Communities plan without the Envision Lā'ie project. It's worth noting that both the Mayor and Chair Anderson have attributed their decision to oppose this project with the goal of keeping major development projects along the rail corridor where our infrastructure investment dollars are going. The real estate arm of BYU has asked the committee to give them time to prepare alternative proposals to develop affordable housing in Lā'ie. We remain vigilant and will oppose any efforts to permit inappropriate development in the countryside.

We will be participating in discussions of the draft revision to the O'ahu General Plan and we will make recommendations about ways to improve the plan. We are opposed to efforts to facilitate short-term vacation rentals and visitor accommodations in the countryside and efforts to make Lā'ie a resort area, amongst other concerns. Once we have developed a full set of recommendations we will be reaching out to you, our members, to seek your help in lobbying the city administration and the Council.

Until then, a hui hou!



SEE PAGE 11 FOR GENERAL OUTINGS INFORMATION

View the latest hike listings and online registration options at bit.ly/SCH-outdoors.

Unless otherwise stated in the outing description, participants meet at 8am 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) Educational/ Interpretation, (C) Conservation, (F) Family/Fun, (S) Service

Sunday, April 2

Paumalu Forest Reserve

Pūpūkea, moderate/6 miles, contour
Loop hike in the Paumalu Forest Reserve with views of the North Shore. Leader: Gwen Sinclair, 753-0528, gsinclair@gmail.com

Saturday, April 8

MCBH Kāne'ōhe Bay Service Project (S)

Reservations required by April 7. We will be helping to 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 will send you a waiver that you must bring with you. Leaders: Dan Anderson, 690-0479, danderhi@gmail.com; Deborah Blair, 955-4168

Sunday, April 9

Mānoa Cliff Service Project (S)

Tantalus, moderate/3 miles, contour
Reservations required. The Mānoa Cliff Trail contours the cliffs above Mānoa. There are beautiful views and a variety of native plants. We will help clear an area rich in native plants. We will work about 2 hours, stop at noon for lunch (and poetry), and return to the cars between 1:30 and 2:00pm. Bring garden gloves if you have them. Reservations by April 7. Leader: Colleen Soares, csoares48@gmail.com

Saturday, April 15 to Sunday, April 16

Pālehua Service Trip (leaders only)

Pālehua is the area above Makakilo partially owned by Gill Family Lands. We will stay overnight at the Air Force station (equipped with all the comforts of home). We will work with native plants (weeding, planting,

mulching, watering, etc.). We will also do some trail clearing from the Mahaholokai cabin. Bring Saturday lunch. All other meals provided by O'ahu Group. Free to leaders. Limit is 8. Leaders: Randy Ching 942-0145, makikirandy@yahoo.com

Sunday, April 16

Photography hike: Pālehua-Palikea (E/F)

Reservations required. Contact Clyde for reservations. 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. Leaders: Clyde Kobashigawa, clydekobashigawa@hawaii.rr.com; John Shimogawa, 227-9925; Susan Tom; Curtis Kawamoto

Saturday, April 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 8am. Tools will be provided, but you are welcome to bring your favorite trimming or pruning tools! Leaders: Stan Oka, 429-9814; Clyde Kobashigawa, clydekobashigawa@hawaii.rr.com; John Shimogawa, 227-9925; Susan Tom; Curtis Kawamoto

Saturday, April 22

Pu'u Kaua Trail (E)

Kunia, strenuous/4 miles, ridge, ±1900 feet elevation
Expect fantastic views from this short but steep climb above Kunia into the Wai'anae Mountains. There are a number of rare endemic plants along the trail. We will take our time on the climb up to the ridgeline, stopping occasionally to catch our breath and to look for some of the native tree snails. The ridge we climb is a continuous incline with no dips and few levels spots. Meet at 8:30am. People that are acrophobic or not in good physical condition might not enjoy this hike. Limited to 15 participants. Reservations required. Leader: Ed Mersino, mersino@hawaii.edu

Sunday, April 23

Mid-morning hike: Pu'u Pia

Mānoa, easy/2 miles, ±500 feet elevation
This short hike in the back of Mānoa Valley takes us to the top of a short hill (pu'u) and a surprisingly good view. Meet at 10am. Leaders: Charlotte Manly, 393-2017, cmanly@hawaii.rr.com; Jean Fujikawa

O'ahu Group Outings

Saturday, April 29

Urban Hike: Kaka'ako Waterfront Park and John A. Burns School of Medicine (E)

Reservations required. Take a tour of University of Hawai'i's campus in Kaka'ako and visit their Native Hawaiian healing garden. Get a full body workout while identifying native and non-native plants. Meet in the Kaka'ako Waterfront Park at 8:30am. Leaders: Susan Tom, 753-0351; Curtis Kawamoto, curtis96815@gmail.com; John Shimogawa, 227-9925; Clyde Kobashigawa, clydekobashigawa@hawaii.rr.com

Sunday, April 30

Photography Hike: Leeward Community College Native Plant Garden (E/F)

Reservations required. The pace of photography hikes is extremely slow. Started in the early 1990's, Leeward Community College's native plant gardens contain plants representing dryland, coastal, mesic forest and Polynesian gardens. Leaders: Stan Oka, 429-9814; John Shimogawa, 227-9925; Clyde Kobashigawa, clydekobashigawa@hawaii.rr.com; Curtis Kawamoto

Monday, May 1

Honoring the Old Timers and Randy's 60th Birthday Party

Former and current Outings and Excom leaders are invited to attend a special event from 5:30-8 pm on May 1st to honor your lifetime commitment to the O'ahu Group and also celebrate Randy's 60th birthday. The cost to attend is \$20 per person and includes a Sierra Club t-shirt, a visit to our new office, and catered pupus. If interested in attending, please RSVP by April 1st to Jodi at jodi.malinoski@sierraclub.org. Space is limited.

Saturday, May 6

Mid-morning Hike: Hau'ula Loop Trail

Hau'ula, moderate/4 miles, ±700 feet elevation
Suitable for advanced beginners, this less-travelled hike on the windward side offers views of Kaipapa'u Gulch and Kahana Bay, and a variety of plant life. Meet at 10am. Leaders: Charlotte Manly, 393-2017, cmanly@hawaii.rr.com, Jean Fujikawa, 955-4168

Sunday, May 7

Sandy Beach Cleanup (S)

We will clean up along highway and coastal areas until 10am. 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 sort. Meet at 8am at the Sandy Beach bathroom at eastern side of the beach park (the bathroom closer to Makapu'u.) Call Tred 394-2898 for information. Leader: Deborah Blair, 955-4168

Saturday, May 13

Paepae o He'eia (Fishpond) Service Project (S)

Kāne'ohe, moderate/1 mile

Come learn about historic He'eia Fishpond, first constructed 600-800 years ago. It is over a mile long with 6 sluice gates. Wear clothes to get dirty, towel, water bottle, and shoes or tabis. 8:30am-12pm with lunch provided. Reservations by May 10. Leader: Colleen Soares, csoares48@gmail.com

Saturday, May 13

Photography Hike: Koko Crater Botanical Garden

Hawai'i Kai, easy/2 miles, crater floor (E/F)

Reservations required. The pace of photography hikes is extremely slow. Various plants and flowers from around the world. Plumeria and hibiscus should be in bloom this time of year. Good for macro photography! Leaders: Stan Oka, 429-9814; Clyde Kobashigawa, clydekobashigawa@hawaii.rr.com; John Shimogawa, 227-9925

Sunday, May 14

Kamana'iki

Kalihi, strenuous/5 miles, ridge, ±1400 feet elevation
Enjoy superb views as we trek up and down this ridge above the Likelike Highway. Leader: Gwen Sinclair, gsinclair@gmail.com

Saturday, May 20

Pālehua 'Elepaio Enclosure "Akupu" (S)

Reservations required. Space is limited as we will be working in a sensitive area where the endangered native 'elepaio is nesting and there are some native plants which we don't want to disturb or damage. We will probably hear and see some native 'elepaio as we work in the area, so bring a camera as well. Pack a lunch and/or snack and definitely mosquito repellent. Bring gloves and hand tools for weeding alien plants in the enclosure. Leaders: Clyde Kobashigawa email: clydekobashigawa@hawaii.rr.com; John Shimogawa 227-9925; Stan Oka 429-9814; Susan Tom; Curtis Kawamoto

Sunday, May 21

Photography hike: Waimea Valley (E/F)

Waimea, easy/2 miles, valley

O'ahu Group Outings

Reservations required. The pace of photography hikes is extremely slow. Bring a lunch for a day of fun. Nominal entrance fee required. Botanical Garden with native plants, colorful flowers and foliage. Leaders: Curtis Kawamoto, curtis96815@gmail.com; Stan Oka, 429-9814; Clyde Kobashigawa, clydekobashigawa@hawaii.rr.com; John Shimogawa, 227-9925

Saturday, May 27

Late Morning Family Hike: Ho'omaluhia Botanical Garden (E/F)

Kāne'ōhe, easy/3 miles, 200 feet elevation

Meet at 10am at Ho'omaluhia Botanical Garden Visitor's Center in Kāne'ōhe. The park is filled with lush native and exotic plants. We will wind our way through the garden, and then eat lunch on the lake. For more about Ho'omaluhia see: honolulu.gov/parks/hbg.html. Reservations by May 25. Leader: Colleen Soares, csoares48@gmail.com

Saturday, May 27 to Monday, May 29

Hakālau National Wildlife Refuge Service Project (S)

The U.S. Fish and Wildlife Service manage this refuge. They are creating makai-mauka corridors of native vegetation across open pastures that native forest birds can use in their migrations up and down the slopes of Mauna Kea. The service projects usually involve planting native species such as koa 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. Rain gear 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. Leaders: Clyde Kobashigawa, clydekobashigawa@hawaii.rr.com; John Shimogawa, 227-9925

Saturday, June 3 to Monday, June 5

Haleakalā National Park Service Project (S)

We will spend a beautiful weekend removing invasive plants and, of course, enjoying the scenery. Highlights include nēnē, 'u'au at night, and many native plants including some found nowhere else. We will stay at Kapalaoa Cabin, which includes sleeping bags, heat, a cook stove, and running water in the kitchen, an outhouse, and no showers. Daily mileage up to 8 miles, but the cooler weather makes it easier than on O'ahu. Elevation mostly between 6,500 and 8,000 feet, except on the first day when we start at 10,000 feet. Trip size is limited. Contact Charlotte with any questions prior to registering. Leader: Charlotte Manly, 393-2017, cmanly@hawaii.rr.com

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 the 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 tabis 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 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 participants. Participants assume the risks associated with this travel.

For specific islands, each group may have its own outing 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, June 4

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

'Aiea, moderate/5 miles, ridge

Reservations required. Contact Clyde for reservations. Wet ridge trail, off the 'Aiea Loop Trail with many native plants and beautiful scenery. Leaders: Clyde Kobashigawa, clydekobashigawa@hawaii.rr.com; John Shimogawa, 227-9925; Curtis Kawamoto

Saturday, June 10

Judd-Nu'uuanu-Pauoa Flats-Pu'u 'Ōhi'a (F)

Nu'uuanu, moderate/5 miles, ridge-contour

Reservations required as car shuttle will be necessary. We will be going up-hill nearly the entire hike. We begin at Nu'uuanu stream and climb up the Nu'uuanu trail with beautiful views of Nu'uuanu valley from different vantage points and then we exit viewing Diamond Head. Some native plants along the way. Leaders: John Shimogawa, 227-9925; Clyde Kobashigawa, clydekobashigawa@hawaii.rr.com

Saturday, June 10

MCBH Kāne'ōhe Bay Service Project (S)

Reservations Required. Contact Dan Anderson at 690-0479 or danderhi@gmail.com by June 9. 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 will send you a waiver that you must bring with you. Leader: Deborah Blair, 955-4168

Saturday, June 17

Kokokahi (F)

Kāne'ōhe, strenuous/5 miles, ridge

Reservations required. Contact Clyde for reservations. Beautiful panoramic views of Kailua's Kawai Nui Marsh on one side, Kāne'ōhe on the other side, and the Ko'olau mountains ahead. This ridge hike begins at the Friendship Garden and ends at the Veteran's Cemetery in Kāne'ōhe. Car-pooling and shuttle is required due to the very limited parking at the beginning and ends of the hike. Pack a lunch and plenty of water, as we will be eating lunch high above overlooking Kapa'a Quarry. Leaders: Clyde Kobashigawa, clydekobashigawa@hawaii.rr.com; John Shimogawa, 227-9925

Saturday, June 24, 2017

Pālehua Service Project-Trail Clearing (S)

Reservations required. Space is limited due to parking, and also as we will be working along an existing trail that is not used very much to also develop it as a fire

break. Pack a lunch and/or snack and lots of water. Bring gloves, pruning saws, pruning shears, loppers, mosquito repellent, and lots of enthusiasm! The area is known for beautiful scenic panoramas from the ridge overlooking Nanakuli Valley. You may also hear and see some native birds, so bring a camera too. Leaders: Clyde Kobashigawa email: clydekobashigawa@hawaii.rr.com; John Shimogawa 227-9925; Stan Oka 429-9814, Susan Tom; Curtis Kawamoto

Sunday, June 25

Pu'u Ma'eli'eli (F)

Kahalu'u, moderate/3 miles, ridge

Reservations required. Uphill hike to pillbox overlooking beautiful Kāne'ōhe Bay. Leaders: Susan Tom, 753-0351; Clyde Kobashigawa, clydekobashigawa@hawaii.rr.com; John Shimogawa, 227-9925; Curtis Kawamoto

Saturday, July 1 to Monday, July 3

Haleakalā National Park Service Project (S)

Our accommodation for the weekend is at Kapalaoa Cabin situated in the center of Haleakalā Crater. The work will be eradicating California telegraph plant and plantago. This service 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 the first day and will exit via the Halemau'u trail. Participants will have to deal with the elevation. The cabin was built in the 1930's 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 stovetop and a wood burning stove to cook and keep warm. The reward is spending the weekend in a beautiful National Park. Leader: Clyde Kobashigawa, clydekobashigawa@hawaii.rr.com

Thursday, August 17 to Sunday, August 20

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

We will be working with NARS clearing mainly kahili ginger. We will access the area via Volcanoes National Park where it is an easy 1/2 mile hike from Thurston Lava tube to the work site. This a relatively new NARS site that is dominated with the alien kahili ginger and a great way to see how it evolves into a truly native Hawaiian Natural Area Reserve. There are native birds above in the native 'ōhi'a forest trees. Our accommodation will be at a house in Hilo at the NARS base yard. **This trip requires a Thursday evening departure. Leader: Clyde Kobashigawa, clydekobashigawa@hawaii.rr.com



Kaua'i Group Report

Kaua'i Group Appeals Coconut Beach Resort's Proposed Shoreline

Coconut Beach Development LLC is poised to begin construction of its 335-unit beachfront resort on 20 acres of undeveloped Waipouli coastline if the Department of Land and Natural Resources approves their shoreline application KA-407. Kaua'i Group submitted a letter of appeal to DLNR on September 11, 2016 with 32 photographs showing ocean debris fields from the high wash of the waves reaching in some places, 30 and 60-foot landward of the developer's shoreline survey; apparently the result of a high tide in addition to tropical depression Lester passing 500+ miles offshore.



The placement of coastal development depends on accurately certified shorelines. Clearly, with encroaching ocean waters and public policies directed at reducing impacts of coastal hazards on man-made structures, this resort is inappropriately sited. If successful, our legal appeal will preserve as much of the shore as reasonably possible for public use. The property is fronted by a prominent stand of mature ironwood trees and a coastal footpath, a sandy beach, and offshore reef enjoyed for recreation and Native Hawaiian traditional and customary uses.

Sierra Club Kaua'i has legal standing to appeal the developer's shoreline survey application but we need to raise funds to sustain our legal battle. We know you care deeply about our beautiful coastlines. Can you help us stand strong by making a tax deductible donation?

Our goal is to raise \$15,000 for legal expenses. This is a people's campaign.

You can make checks payable to: "The Sierra Club Foundation" and write "Kaua'i Group Foundation Account" in the memo line. Please mail checks to Sierra Club Kaua'i Group, P.O. Box 3412, Lihu'e, HI 96766 and accept our deepest appreciation for any kōkua you can give!

State's Interest in Timber Harvesting Prompts an EA

The Division of Forestry and Wildlife is preparing a draft Environmental Assessment (EA) and an update of the Līhu'e-Kōloa Forest Reserve Management Plan in order to accept proposals for commercial harvesting of non-native timber stands.

Established in 1909, the Līhu'e-Kōloa Forest Reserve consists of 12,500 acres of public land in Wailua and Kalāheo. The intent was to protect watershed areas vital to the lowland agriculture. In the Wailua section, there are 360 acres of eucalyptus and paperbark trees planted in the 1930s and in the 1960s when Keāhua Arboretum began as a demonstration project for exotic timber species. In Kalāheo, seven species were planted including Albizia.

The draft EA must address socio-economic impacts, the potential spread of invasive species, and the impacts of harvesting on water quality, native species, cultural resources, and public access.

Current management objectives include watershed protection, recreation (hiking, horseback riding, hunting, fishing, four-wheel driving, and commercial ecotourism), and Keāhua Arboretum maintenance.

Construction also continues on the new and controversial Keāhua Stream Bridge which will provide easy entry to the arboretum which was previously a stream ford crossing. Residents are angry that they were not given the opportunity to vet the bridge proposal. Bridge opponents cite safety concerns that inexperienced people will venture into the interior ill-equipped. Residents also mistrust claims that the bridge will not be used for future transport of commercially harvested timber. And recent dialog about developing a public shooting range at Hanahanapuni Crater, a location that requires vehicles to ford the arboretum's 2nd and 3rd stream crossings, raises more doubt about the Division of Forestry and Wildlife's assertion that no more bridges are planned.

Hawai'i Dairy Farms Withdraws Final EIS

Last July, Kaua'i Group commented on the Hawai'i Dairy Farms draft Environmental Impact Statement (EIS) to develop a 557-acre industrial dairy with rotational grazing, claiming to utilize 100 percent of all the manure on site as natural fertilizer to grow grass. Our concerns highlighted drainage and pollution issues that could negatively impact Māhā'ulepū Valley's land, water, and neighboring communities.

The final EIS did not respond to points raised in public comment letters. Sometimes responses were

Kaua'i Group Report & Outings

simply extracted from the draft EIS, providing no new explanation or facts as required. When Kaua'i Group asked Hawai'i Dairy Farms to cite specific examples of proven, sustainable pastoral grazing systems that reduce reliance on fertilizer and feed, their response was inadequate—New Zealand and several U.S. states were mentioned but no specific industrial dairy operations were named.

Thankfully, the State Office of Environmental Quality Control recommended that the approving agency issue a non-acceptance determination for the final EIS, citing two reasons: the absence of clear, point-by-point responses by the applicant to the public comments, and that substantive studies were released 5-months after the draft EIS public comment period closed.

Hawai'i Dairy Farms withdrew their final EIS on February 21. Should they wish to proceed with this project, a new draft EIS must be filed. Kaua'i Group hopes to see locally-based agriculture thrive again on the south shore but only if they are without negative environmental consequences.

UPCOMING OUTINGS:

SEE PAGE 11 FOR GENERAL OUTINGS INFORMATION

Join us on one of these great outings to discover the natural treasures of our island. Mileage is total miles. Outings focus on: (C) conservation/interpretative, (E) educational, (F) family/fun, and/or (S) service. Check bit.ly/SCH-kauai for updates to the schedule. Requested donation for members and participants under 18 is \$1. For all others: \$5. *Note: Women are advised not to hike remote trails or camp alone on Kaua'i.*

Have you ever thought about being an Outings Leader?

If so, please contact judydalton123@gmail.com or call 482-1129 to find out how much fun you could be having while giving people the opportunity to explore the island, enjoy its beauty, and inspire them to protect it.

Friday, April 7

Kawai'ele Waterbird Sanctuary (C/E/F)

West side, easy

Sunset to dusk visit to the sanctuary, home to all four of Hawai'i's endemic waterbirds: Hawaiian stilt, moorhen, coot, and Kōloa duck. Nēnē, the Hawaiian bat and Black-crowned Night-Heron also frequent the sanctuary. We'll also point out the many native plant species at the sanctuary. Leader: Bob Nishek, 346-0476

Sunday, April 9

Māhā'ulepu and Makauwahi Cave (C/E/F)

South Shore, moderate/3 miles

Enjoy the majestic coastline. Visit the world class archaeological site. Leader: Allan Rachap, 212-3108

Saturday, April 15

A Day on Koke'e Trails

Moderate/5 miles

Starting at Koke'e Lodge we hike to Berry Flat Trail and continue to the northern section of the Ditch Trail. Finally we loop back to the Wainiua Trail and back to the lodge for a variety of views. Leader: Ken Fasig, 346-1229

Saturday, April 22

Earth Day Beach Cleanup at Nukoli'i Beach (S)

East Shore, easy

Sierra Club and Surfrider collaborate to protect the marine and other wildlife, the reef, and ocean from marine debris. Bring water and hat. We'll supply gloves, bags, and refreshments. 9am to noon. Check our website to see at which end of Nukoli'i we'll be meeting. Leader: Judy Dalton, 482-1129

Saturday April 29

People's Climate March

Check bit.ly/SCH-kauai for details.

Saturday, April 29

Limahuli Preserve Hike & Work (C/E/F)

North Shore, moderate/2 miles

A rare opportunity to hike into the Limahuli preserve (off limits to the public) in the mid-valley of the Garden to tend to rare and endangered native plants. Leader: Jane Schmitt 826-6105

Friday, May 5

National Tropical Botanical Gardens Sunset to Walk

South side, moderate/2 miles

Hike and learn about plants in lovely gardens. Sierra Club members only. Leader: Bob Nishek, 346-0476

Kaua'i Group Outings

Sunday, May 7

Sunset to Full Moon Coastal Walk (C/E/F)

East Shore, moderate/4.5 miles

We start off in the late afternoon from Kuna Bay (Donkey Beach) walking along the coastline ending at Kapa'a Library watching the full moon rise over the ocean. We'll shuttle cars for a one-way hike. Leader: Judy Dalton, 482-1129

Saturday, May 13

Kuilau Trail (C/F)

East side, easy to moderate/4 miles

A gentle steady walk on a wide path with sweeping view of lush valleys and Mount Wai'ale'ale and Makaleha mountain ranges. Hike to bridge and picnic tables for lunch. Leader: Vivian Hager, 652-3234

Sunday, May 21

Tour de Po'ipū Bike Ride (F)

Two easy/moderate rides to choose lengths 8 or 23 miles. Fantastic views. Bring your own bike. Helmets required. Leader: Allan Rachap, 212-3108

Saturday, May 27

Donkey Beach Cleanup (S)

East Shore, moderately easy

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. 9am until noon. Bags, gloves, and snacks provided. Leader: Judy Dalton, 482-1129

Tuesday, June 6

Waimea Canyon Road Cleanup (S)

Easy/2 miles

Afternoon clean-up of Sierra Club's adopted highway requires a little over an hour. Please help keep the

gateway to Waimea Canyon litter-free. Leader: Bob Nishek, 346-0476

Friday, June 9

Māhā'ulepu Sunset to Moonlight Walk (C/E/F)

South Shore, moderate/3.5 miles

Start out mid-afternoon from Shipwreck Beach walking along the coast to Māhā'ulepu. Enjoy the setting sun and a full moon rise. Spectacular coastal walk. We'll shuttle cars for a one-way hike. Leader: Bill Snyder, 652-1718

Saturday, June 17

Russian Fort Beach Walk (C/E/F)

Easy/4 miles

We start at the Russian Fort in Waimea and walk along the beach to Makaweli. Delightful and scenic. Leader: Ken Fasig, 346-1229

Sunday, June 21

Māhā'ulepu and Makauwahi Cave (C/E/F)

South Shore, moderate/3 miles

Enjoy the majestic coastline. Visit the world class archaeological site. Leader: Allan Rachap, 212-3108

Thursday, June 22

Kuilau Trail (C/F)

East side, easy to moderate/4 miles

A gentle steady walk on a wide path with sweeping view of lush valleys and Mount Wai'ale'ale and Makaleha mountain ranges. Hike to bridge and picnic tables for lunch. Leader: Vivian Hager, 652-3234

Saturday, June 24

Kealia Beach Cleanup (S)

East Shore, easy

Sierra Club and Surfrider collaborate to protect the marine and other wildlife, the reef, and 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. 9am to noon. Leader: Judy Dalton, 482-1129

Join Kaua'i Group for a sunset walk to Māhā'ulepu to enjoy this view!



Maui Group Report



For more information about our current campaigns and how you can help:

- Visit our website mauisierraclub.org and our Facebook page facebook.com/sierraclubmaui
- Sign up to receive Maui's monthly email newsletter at mauisierraclub.org/mauling-list-signup/

CONSERVATION UPDATES

Central Maui HC&S Lands

Sierra Club Maui Group and allies have launched the Hukilike No Maui: Together for Maui Coalition, bringing together conservation, affordable housing and sustainable farming advocates to work for sound planning for 32,000 acres of former A&B cane lands. The Hukilike Coalition advocates for using good agricultural lands for food and useful crops, protecting sensitive wetlands, streams, dunes and coastal lands and supporting local housing projects near infrastructure and services. Maui County residents: Take a brief Maui Housing Survey to help Hukilike be your voice at togetherformauai.org/survey

Kanahā Park Conservation Lands

A new Master Plan for the popular park has had some modifications, but it still needs work to protect critical native plant habitat from becoming new parking lots. Maui Group is working with Maui Green and Beautiful to track the proposed plan.

Pālau'ea/Wailea 670

Please come and enjoy our new preserve! Check out Maui Group educational hikes in our current outings schedule.

Energy Decisions

Maui Group reps attended the Maui Energy Conference in March to continue to advocate for additional storage to support a transition to 100% renewable energy. Maui Group also advocated for increased efforts to reduce losses of the endangered 'ōpe'ape'a, the Native Hawaiian hoary bat, and nēnē in Maui wind turbines.

East Maui Stream Restoration

HC&S/A&B have submitted an Environmental Impact Statement (EIS) Preparation Notice to support a request for a 30-year Water Lease to divert over 100 million gallons a day of East Maui stream water from public lands. Maui Group has spread the word and testified at hearings with over 200 attendees, offered an "EIS 101" mini-workshop for East Maui residents, and set up an online form to encourage residents to send comments. We are supporting comments sent in by

U.S. Fish and Wildlife Service, which call for a complete restoration of more streams to support native flora and fauna and marine fisheries. Go to bit.ly/SCH-maui-streams to learn more.

County Wastewater Plants

New scientific studies indicate all three Maui County wastewater treatment plants have serious water quality impacts. Maui Group and others urge solutions for more water to be used on land, rather than injected into the ocean.

Olowalu-Launiupoko Development

New "fast track" affordable housing is being proposed for these rural West Maui valleys, although irrigation and farming water supplies are not currently reliable. State water commission staff is investigating illegal diversion construction on Olowalu Stream and re-location of Honoapi'ilani Highway is under discussion by community members and Hawai'i Department of Transportation.

Hamakualoa Coastal Open Space

Enjoy our new coastal preserve at an upcoming Maui Group hike or service outing. Maui Group and allies are committed to "Mālama Days" on this beautiful land on every 4th Saturday of the month (see pg. 17).

Makena Landing Development

Maui Group is deeply concerned that the proposed 158-unit ultra luxury development will impact historical and cultural sites, coastal views, public access, local aquifers and traffic, yet the project developer is unwilling to complete a full EIS. In March, the developer submitted a revised Final Environmental Assessment to the Maui Planning Commission. Maui Group and others asked the Planning Commission to require a full EIS be done, which would analyze all the substantial impacts but the Commission denied the request.

Proposed Polystyrene Ban

In December 2016, the Maui County Council voted unanimously for a county-wide ban on polystyrene containers at the first reading of the proposed ordinance. But as of March 2017, the proposed ban has not been scheduled for a second and final vote. Maui Group is asking supporters to voice enthusiastic support for this ban, so stay tuned for opportunities. If approved, Maui County would become the first in Hawai'i to ban polystyrene containers—unless the Big Island beats us to it, as their own proposed county ban is also moving forward!

Maui Group Outings

SEE PAGE 11 FOR GENERAL OUTINGS INFORMATION

Please register for all outings with the leader listed in the description. Check mauisierraclub.org/hikes-service-programs for updates to the schedule and join our hikes Facebook group at facebook.com/groups/SierraClubMauiHikes.

Suggested donation: \$3 for members and \$5 for non-members unless otherwise noted. Please be prepared by bringing snacks, water, rain gear, sunscreen and appropriate footwear. We always welcome more hike leaders! For training opportunities, contact Rob Weltman at robw@worldspot.com or 354-0490.

Maui Outings Key: (C) conservation focus, such as discussing how to conserve this land for future generations to enjoy; (E) educational focus, such as visiting and learning about archaeological sites and naming plants and flowers; (S) service outing

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. One waiver covers all EMI hikes for this quarter. Call in your waiver request at 579-9516 well in advance to make an appointment to 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, April 8

Kīhei Coastal Trail and Beach Cleanup

Stroll along the Kīhei Coastal Trail between Kamaole 3 Beach and Keawakapu Beach while collecting trash before it makes it into our ocean and harms wildlife. Afterwards you can join a fun snorkel to remove fishing gear from our reefs. We will see plenty of green sea turtles and other ocean life from land and sea. Meet Kamaole 3 Beach Park parking lot south end at 8am. Leader: Miranda Camp, mauimiranda@hotmail.com or 868-6848

Saturday, April 15

Kuiaha Bay (C/E)

Moderate, some uphill/3 miles

Historically rich, dazzling hidden gem along Ha'ikū coastline. Valley has had restoration work to traditional ag by Waikikena Foundation. Limit 18. Meet 9am at Ha'ikū Community Center. Leader: Rob Weltman,

robw@worldspot.com or 354-0490

SPECIAL EVENT: Saturday, April 22

Sierra Club Plant Sale at Ha'ikū Ho'olaule'a 9am-4pm
If you'd like to donate plants—especially food producing plants, non-invasive popular ornamentals, and native plants—or would like to volunteer, please contact Rob Weltman, robw@worldspot.com or 354-0490

Saturday, April 29

Hāmākua Mālama Day (C/E/S)

Ha'ikū, 4 miles Monthly community service outing to remove trash and keep coastal trails open on 267 acres of Hamakua lands purchased by Maui County. Bring gloves/hand tools/water/hat/lunch/sturdy shoes. Meet 9am at Ha'ikū Community Center. Limit 15. Leader: Lucienne de Naie, laluz@maui.net or 214-0147

Sunday, April 30

Pālau'ea (Wailea 670) Cultural Sites- Southeast (C/E) 2 miles

Explore rare stepping stone trails in southeastern part of 161-acre Wailea 670 preserve. Rugged terrain. Closed shoes/boots, long pants, and good balance a must. Bring water, hiking stick, cameras. Meet 3pm at top of Kaukahi St. in Wailea. Limit 15. Leader: Miranda Camp, mauimiranda@hotmail.com or 868-6848

Friday May 12

Pālau'ea (Wailea 670) Cultural Sites - Northwest (C/E) 2 miles

Explore and mark unique cultural sites in northwest Wailea 670 preserve. Rugged terrain. Closed shoes/boots, long pants, and good balance a must. Bring water, hiking stick, cameras. Meet 2pm at top of Kaukahi St. in Wailea. Limit 15. Leader: Lucienne de Naie, laluz@maui.net or 214-0147

Saturday, May 13

Kōkua Day at Fleming Arboretum, Pu'u Mahoe (C/E/S)

Help maintain the Fleming Arboretum at 2600' in 'Ulupalakua, sanctuary to many endangered native dryland forest plants. Awesome views of the La Perouse (Keone'o'io) coast and Kaho'olawe. Bring a light jacket, lunch, and gloves. Meet at 'Ulupalakua General Store at 9am to caravan to the arboretum. Estimate 3 hours of work. Refreshments will be available. A BYO lunch will be at the Fleming Cabin with a great view of South Maui. Limit 20. Leader: Rob Weltman, robw@worldspot.com or 354-0490.

SPECIAL EVENT: Sunday, May 21

Nā Hoku Star Gazing Benefit in Pālau'ea (Wailea 670)

Maui Group Outings

Noted astronomer, educator, and author Harriet Witt shares lore of our Hawaiian night sky. Meet at 6pm at top (mauka end) of Kaukahi St. in Wailea. Bring folding chair, warmer clothes, and shielded flashlights. Donation: \$5 for members, \$10 for non-members. Leader: Adriane Raff Corwin, adriane.raff-corwin@sierraclub.org or 419-5143

Saturday, May 27

Mālama Hāmākua Day (C/E/S)

Ha'ikū, 4 miles

Monthly service outing to remove trash and care for cultural sites on 267 acre County coastal preserve. Bring gloves/handtools/water/hat/lunch/sturdy shoes. Meet 9am at Ha'ikū Community Center. Limit 15. Leader: Adriane Raff Corwin, adriane.raff-corwin@sierraclub.org or 419-5143

Sunday, May 28

Huelo Coastal Trail to Ocean (C/E)

2 miles

Hike along steep but scenic coastal trail to ocean in Huelo area. Meet 9am at Ha'ikū Community Center. No EMI waiver needed. Limit: 15. Leader: Miranda Camp, mauimiranda@hotmail.com or 868-6848

Friday, June 9

Hamakuapoko Historical Hike (C/E)

Baldwin Beach Park, 4 miles

Pleasant walk along bike path and beach to learn about the rich and hidden history of this lovely area. Bring hat/water/snacks. Meet 9am in Baldwin Beach parking lot. Limit 15. Leader: Lucienne de Naie, laluz@maui.net or 214-0147

Sunday, June 11

Makapipi Watershed Trail (C/E)

Makapipi to Kopili'ula Stream, 4 miles, varied terrain 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 at 8am at the Ha'ikū Community Center. Limit 18. Leader: Miranda Camp, mauimiranda@hotmail.com or 868-6848

Friday, June 16

Pālau'ea (Wailea 670) Cultural Sites-Northwest (C/E)
2 miles

Explore walls and ridgelines and mark cultural sites in northwest Wailea 670 preserve. Rugged terrain. closed shoes/boots, long pants and good balance a must. Bring water, hiking stick, cameras. Meet 2pm at top of Kaukahi St. in Wailea. Limit 15. Leader: Lucienne de Naie, laluz@maui.net or 214-0147

Sunday, June 18

Makena Shoreline Hike (C/E)

3 miles, moderate

Narrow "fisherman's trail" in sections. Help keep public access open, enjoy beautiful views with varying shoreline. Bring a snack for the end point at Black Sand Beach. Meet 9am in public parking lot for Polo Beach. Limit 15. Register with leader: Rob Weltman, robw@worldspot.com or 354-0490

Saturday, June 24

Mālama Hāmākua Day (C/E/S)

Ha'ikū, 4 miles

Service outing to remove trash and care for cultural sites on 267-acre County coastal preserve. Bring gloves/hand tools/water/hat/lunch/ sturdy shoes. Meet 9am at Ha'ikū Community Center. Limit 15. Leader: Lucienne de Naie, laluz@maui.net or 214-0147



HUKILIKE NO MAUI

Together for Maui

Hui! Join the Hukilike No Maui: Together for Maui Coalition!

Sierra Club Maui has been hard at work to bring affordable housing, agriculture, and conservation groups together to form a diverse community coalition that will plan for the future of Central Maui's former sugarcane lands. Learn more and join us at

togetherformaiui.org



Moku Loa Group Report

Depleted Uranium by Cory Harden

Dr. Lorrin Pang, head of Maui Department of Health but speaking as a private citizen, and Mike Reimer, a retired geologist, have raised serious concerns about the Environmental Radiation Monitoring Plan (ERMP) for depleted uranium at Pōhakuloa. Their primary concern is that the sampling protocol only tests sediment and soil and not for airborne depleted uranium.

The ERMP is marred by misstatements on less technical matters. Such as the ERMP says groundwater in the Pōhakuloa area is 1,000 feet down—but recent drilling nearby found water at 500 feet below the surface. The ERMP also implies that the Federal government owns the entire Pōhakuloa Training Area without mention of the portions leased from the state, which are now the subject of a lawsuit over the Army’s failure to clean up munitions. Furthermore, a list of entities that use Pōhakuloa does not include the foreign troops that train there.

On technical matters, Reimer says the sampling sites and sampling type chosen in the plan are the least likely to show the depleted uranium. He also states that sample collection size, frequency, and the duration of the plan are insufficient for a robust study. Additionally, Reimer raised concerns about sample handling and analysis, citing that the detection system called for is the “least likely to reveal small concentrations of depleted uranium”.

Reimer was also concerned that the ERMP utilizes unscientific terminology and refers to an annex document—but there are several important fields marked “to be determined”.

Several Hawai’i Island residents are seeking to set up independent testing and may request a hearing with the Nuclear Regulatory Commission which approved the ERMP.

Environmental Scholars are Recognized

by Heather Kimball

The Sierra Club’s Moku Loa Group is celebrating the 30th anniversary of supporting awards to promising young scholars on Hawai’i Island. 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 18, 2017 in Hilo.

In the Senior Research Division, Jared Goodwin received the Ms. Mae Mull Award for his project entitled “Investigating the movement of arsenic contaminated

soil around Wailoa Pond”. Anne A. Nakamoto also received the Ms. Mae Mull Award for her project entitled “Modeling the impact of Rapid ‘Ōhi’a Death on carbon capture on Hawai’i’s ecosystems”. Calista-Rae Campbell received the Moku Loa Group Earth Science award for the project “Using waste to fuel our future “.

In the Junior Research Division, Kevin Li was recognized with the Dr. Wayne Gagne Award, for his project entitled “Rapid ‘Ōhi’a Death: What type of fungicide will be most effective in inhibiting growth of the fungus *Ceratostyis fimbriate*?”. Emma Sowards was recognized with the Dr. Ruth Lani Stemmermann award for her project “Stunted Invaders: Utilizing Milestone specialty herbicide to prevent establishment of *Facataria molluccana* (*Albizia*) seedlings”. The Moku Loa Group also presented the Dr. Don Worsencroft award for Physical Science relating to Hawai’i to Ayden H. Leyson for a project entitled “Making VAWT work”.

The students each received certificates, an annual Sierra Club membership and a 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 Hawai’i’s environment. We express our thanks to our judges Heather Kimball, Roberta Brashear, Phil Barnes, and Jared Mattox.

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 “The Sierra Club Foundation” with “Moku Loa Group Foundation Account” on the memo line and mailed to the Sierra Club Moku Loa Group, P.O.Box 1137, Hilo, HI 96721. For more information, contact Heather Kimball at 808-333-1535.



Student award winners with Heather Kimball

Moku Loa Outings

SEE PAGE 10 FOR GENERAL OUTINGS INFORMATION

Saturday, April 15

Sandalwood Tree Planting near Saddle Road (S/E/C)
Contour, moderate, E=7,000'

Assist Mark Hanson and the Hawaiian Reforestation Program planting trees on the slope of Mauna Kea at around 7000 feet. Closed toed shoes required, and sunscreen and raingear are suggested for this rain or shine project. We should be done by about 3pm, bring lunch, snacks, and water. Leader: Rob Culbertson, (805)-316-1380

Saturday and Sunday, April 22-23

Pu'u Wa'awa'a DLNR Service Trip (S/E/C)

Rare dryland forest restoration on the slopes of Hualālai volcano. We will stay in a cabin at 3500'. The work will be moderately strenuous. We will learn about this once diverse forest—past, present, and future and take a short hike. Meals will be communal. Reserve by April 15 by contacting leader Diane Ware, 967-8642 or Linda Larish, 966-6337.

Saturday and Sunday, May 13-14

NARS Service with State near Kulani Prison (S/C/E)

This trip will take us from DLNR baseyard in Hilo up Stainback Highway to Pu'u Maka'ala Natural Area Reserve bordering the prison and volcano. We will have overnight use of a house at the baseyard in Hilo and moderately strenuous work at 6000' elevation in a wet forest near the 'alala release area. Meals will be potluck. Reserve with leader Diane Ware, 967-8642. Co-leader Rob Culbertson.

Saturday, May 13

Leader Gathering and Training (E)

Leaders will gather in Hilo after a day of service to plan upcoming outings, reconnect and review safety protocols on outings. Any interested hikers wanting to lead are welcome. Sign up with Outings Chair Diane Ware, 967-8642.

Saturday, May 20

Sandalwood Tree Planting near Saddle Road (S/E/C)
Contour, moderate, E=7,000'

Assist Mark Hanson and the Hawaiian Reforestation Program planting trees on the slope of Mauna Kea at around 7000 feet. Closed toed shoes required. Sunscreen and raingear are suggested for this rain or shine project. We should be done by about 3pm. Bring

lunch, snacks, and water. Leader: Rob Culbertson, (805)-316-1380

Saturday, May 27

Punalu'u Beach Park to Kawa Beach (E)

Shoreline, moderate/4 miles round trip

We will hike the coastline passing cultural sites on a trail lined with 'ili'ili to Kawa Beach. Bring your lunch, a swimsuit, 2 liters of water, and a hat. It will be a hot exposed hike. Leaders: Linda Larish, 966-6337 and Kana Covington, 936-6406

Saturday, June 10

First Aid and CPR Leader Training (E)

This will be an all-day training at UH Hilo. Please join us if you would like to become an outings leader. Qualified individuals will receive free training in the courses plus training in how to lead Sierra Club outings. For more information contact Diane Ware, 967-8642

Saturday, June 17

Sandalwood Tree Planting near Saddle Road (S/E/C)
Contour, moderate, E=7,000'

Assist Mark Hanson and the Hawaiian Reforestation Program planting trees on the slope of Mauna Kea at around 7000 feet. Closed toed shoes required, and sunscreen and raingear are suggested for this rain or shine project. We should be done by about 3pm. Bring lunch, snacks, and water. Leader: Rob Culbertson, (805)-316-1380

Saturday, June 24

Kulani Peak Trail Day Hike (E)

Contour, strenuous/10 miles, E=3900' +/- 1,000'

Join us and see the "walking" 'ōhi'a trees in 'Ola'a forest and the summit of Kulani Peak. Wear good hiking shoes, bring a lunch and at least 1 liter of water. We will meet at Cooper Center in Volcano Village and carpool to the trailhead. Leaders: Linda Larish, 966-6337 and Kana Covington, 936-6406



Sierra Club Maui's 2017 Annual Meeting

By Adriane Raff Corwin, Maui Group
Coordinator

Wow! This year's Annual Meeting in February was a blast with over 80 attendees to enjoy our fantastic panel and potluck at Kaunoa Senior Center.

The meeting began with a pule by Catholic Deacon Stan Franco, who also received this year's Onipa'a Award for his decades of work to bring affordable housing to Maui. Kai Nishiki and Ananda Stone received our Mālama Kahakai award for their dedication to protecting Maui's coasts and defending public access to our beaches and trails. After lunch, House Representative Kaniela Ing (South Maui - 11th District) and Sierra Club of Hawai'i Director Marti Townsend gave a quick but thorough update on the status of important bills in the legislature and how attendees could help.

Our main event for the day was the introduction of our new coalition campaign - Hukilike No Maui: Together for Maui, which Sierra Club Maui has been working to build for many months.

Lehua Simon introduced the Hukilike Coalition to our attendees with a wonderful presentation. Then we hosted a panel discussion to hear from specialists from each sector of our coalition - Dale Bonar and Kai Nishiki for conservation and preservation, Lawrence Carnicelli and Cassandra JL Abdul for affordable housing, and Evan Ryan and Bob King for agriculture. Each panelist shared excellent ideas for the former cane lands and what is needed in order for us to come together and work as one community. Maui residents you can check for screenings of the panel discussion on Akakū.

We then had a breakout session so that all attendees could give us their mana'o and ideas about the sugar cane lands. For over an hour, everyone talked and debated about what they wanted to see in Central Maui and the obstacles that are in the way. Although this will surely be only the first of many community discussions, the ideas that came from it were fantastic. Learn more about the Hukilike No Maui Coalition and see the notes from the breakout session at the Hukilike Coalition website: togetherformaiui.org.

We ended the meeting with a circle up to reflect on the day and give thanks as Lehua sang a beautiful closing pule.

BIG MAHALO to Tim Wolfe of Akamai Productions for recording the meeting, Geoff Moore of Silver Moon Maui (silvermoonmaui.com) for designing the Hukilike No Maui logo and outreach poster, and to Flatbread Company, Mana Foods and Whole Foods Market for donating food and drinks for our potluck lunch. The food was ono!

Honolulu's New Office of Climate Change

By Jodi Malinoski, O'ahu Group Coordinator

Every ten years the Honolulu Charter Commission proposes changes on the City's Charter, or Honolulu's constitution. Twenty proposed changes made it to the November 2016 ballot such as Question 6: a City Charter Amendment that would create an "Office of Climate Change, Sustainability, and Resiliency". The O'ahu Group was ecstatic when majority of residents voted yes on this Charter Amendment because we are already seeing the impacts of climate change, yet policies to combat these effects have not been a focus at the city level. Passage of this amendment shows community support to prioritize sustainability and resiliency in a transparent matter.

Here are some of the things the O'ahu Group suggests the city considers when creating this office:

- **Holistic:** this office should create and implement a comprehensive climate change plan and resiliency strategy tailored for Honolulu; incorporating all major climate change impacts, potential catastrophic events, and other social, economic, and environmental stressors into this strategy.
- **Action Planned:** this office should prioritize sustainability projects consistent with the resiliency strategy to help adapt to sea level rise, end our dependence on fossil fuels, protect our natural resources and open space, and increase our food self-sufficiency.
- **Inclusive:** this office should effectively convene city departments, policy makers, scientists, and community members. The staff should work on a variety of tasks: from implementing the resiliency strategy through policy and projects, to educating the public about climate change and promoting a vision of a resilient future, and engaging stakeholders to support a plan of action, including future revenues for major infrastructure work.

We believe that the formation of this office will help facilitate discussion about the impacts of climate change, promote environmental stewardship, and initiate sustainability projects on O'ahu. Five positions are proposed for this office in the Mayor's 2018 budget request: a Chief Resiliency Officer/Executive Director, a Deputy Director, Secretary, Coastal Project Manager, and Energy Coordinator. The Chief Resiliency Officer position will be funded by a two year grant from the Rockefeller Foundation, but the other positions will need to be approved by the City Council during budget hearings from April to June. We'll be lobbying Councilmembers to support this office, so stay tuned on how you can get involved. This is an exciting time for Honolulu, mahalo for your support!

Volunteer to Grow

By Harvy King, O'ahu Group Volunteer

There is a great willingness in the world these days to allow things to be left undone, misused, and discontinued. This willingness has been identified to be what we know is waste. Humans have created an exorbitant amount of waste since the boom of the industrial age. This age needs to end. It would make sense that in an island environment such as Hawai'i nei, every aspect of resource management would be as efficient and as effective as possible.

I arrived here to Hawai'i with orders from the United States Navy. I have since separated and I speak for myself. I was an aircraft mechanic. As I learned about Hawai'i I've gotten to peer into many areas of concern. Waste management was my first and most immediate concern. I quickly learned how the waste stream operated here on O'ahu and knew the effort was worth my while to set up a recycling program at work. Since then I've learned so much about the world and my greatest concern in the world is how it is being managed.

Environmental stewardship comes naturally to some people. While in Hawai'i, I have volunteered with many organizations. My volunteer experience in Hawai'i has opened so many avenues. Volunteering can be a selfless service that educates you in return. As you become more educated, you educate others. It is a beautiful and natural progression. I volunteer as best I can with Sustainable Coastlines Hawai'i, Surfrider Foundation, Kōkua Foundation in the beach clean-up scene here on O'ahu. We also speak out for the reduction of single use plastics in our communities.

I write this as a volunteer to the Sierra Club of Hawai'i O'ahu Group. With help from Sierra Club and Surfrider I was recently compelled to testify at the legislature in support of two bills, the styrofoam ban, SB1109 and SB1259, the Red Hill bill. While the topic of these bills may seem very sensitive and complex, they are very simple. Both of these bills address the disregard of human health concerns, let alone environmental protection.

It is easy to get involved. Your voice should be heard if you want it to, you just have to know where to show up. We learn from each other! Volunteering might give you a purpose if you feel you have none. We cannot be responsible for one another, but we can help guide each other in the right direction. The opportunities are endless.

Mālama 'āina, mālama mind, body & spirit. May you be happy & healthy. Aloha.



A TREASURER FOR TREE HUGGERS

Here's your chance to join the oldest, largest, and most influential grassroots environmental organization in the country as the **Volunteer Assistant Treasurer!**

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The Sierra Club of Hawai'i's Chapter ExCom needs your part-time financial and bookkeeping skills on the chapter level.

Summary of Responsibilities:

- Help process financial transactions
- Help prepare financial statements, ExCom reports, and budgets
- Help ensure financial stability and solvency of chapter (sub-entities)
- Monitor, question, and evaluate club activities requiring expenditures
- Assist in administration of fundraising activities, as needed
- Understand and promote the mission of the Sierra Club
- Attend meetings with Treasurer as requested
- Contribute to a sense of camaraderie and teamwork
- Assume treasury duties, if necessary

Please contact Nara Takakawa, Chapter treasurer, if you have the interest and skills for the position at: hawaii.chapter@sierraclub.org

Red Hill Bill Dies, We Revise

By Asami Kobayashi, Chapter Volunteer Coordinator

With all of the important bills going through the Capitol this legislative session such as the ban on harmful sunscreens, 100% emission-free ground transportation, saving our precious 'ōhi'a trees from Rapid 'Ōhi'a Death, and more, it can be very challenging to keep up with all that is happening. For the Sierra Club of Hawai'i, we have been tracking these bills and many more, but we remain focused on the Navy fuel tanks on Red Hill. This session Senate bill 1259 was introduced regarding this issue and all other field constructed underground storage tank facilities in the state. In current statutes, field constructed underground storage tanks are exempt from state and federal regulations on underground storage facilities.

SB1259, in a nutshell, aimed to remove this exemption and implement prevention measures via rules issued by the Department of Health, such as secondary containment and leak prevention systems. The bill stated that if these requirements are not met by the year 2027, the entire facility is to be shut down by 2030. Unfortunately, SB1259 died early in this legislative session.

SB1259 passed out of its first joint committee hearing—Agriculture & Environment and Public Safety, Intergovernmental, and Military Affairs—with flying colors where it was then referred to Commerce, Consumer Protection, and Health and Ways and Means where it failed to get a hearing. In response to the death of SB1259, two resolutions were introduced SCR99 and SR43, requesting that the Hawai'i Department of Health update the administrative rules regulating underground storage tanks to be consistent with the federal regulations mandated in 2015.

Despite the disappointing outcome of SB1259, our movement to protect O'ahu's drinking water is stronger than ever, as we move to double-down on our efforts to ensure the Red Hill facility is not a threat to the public's health. SB1259 was only one avenue to do so and there are many more actions we can take. We are not giving up, we will continue to work hard on this issue until this massive threat to our water is no longer. In the meantime, we will continue working with community members and organize actions to keep the Department of Health and the Environmental Protection Agency (EPA) implement the strongest protections in the Administrative Order on Consent (AOC) with the U.S. Navy and the Defense Logistics Agency.

To do this we need to build genuine people power. So in the next quarter, we will be reaching out to communities affected by the tanks, ally organizations, and leaders at all levels for support. We are researching and documenting issues, canvassing, phonebanking, and letter writing; we are making art, organizing direct actions, and sharing our messages, all with the goal ensuring our groundwater is fully protected as soon as possible.

We are going against very powerful forces and it will be a long, hard struggle, but we will remain dedicated to the security of our water for the people of Hawai'i. If you would like to join the movement and contribute to our efforts on this issue, email Asami at asami.kobayashi@sierraclub.org. Join us as we move forward with our campaign, because we need everyone to make this happen.



Explore, enjoy and protect the planet



With your help we can clean up our water

Sierra Club Water Sentinels are the first line of defense of America's waters. We live on the water planet. However, water is a finite resource with only about 1 % of the world's water actually being available for human consumption. Water pollution & over-use are threatening both the quality & quantity of our water resources at an alarming rate.

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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.

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Photos by Daniel Anderson

Outings Leaders Head to Pālehua

By Gary Gill, O‘ahu Group Adviser

On a crisp Sunday morning, a dozen Sierra Club outings leaders woke early to assess the outings potential of Pālehua in the southern Wai‘anae Mountains. They found new trails to blaze, sandalwood groves to protect, pig fences to improve, and a vast canvas of highlands to restore to native forest.

Above the Makakilo community overlooking the Ewa and Central Plains of O‘ahu, Pālehua provides a close-to-home opportunity for conservation volunteers to make a measurable, positive impact. Only a half-hour drive from downtown, Club members can experience doing conservation work in the habitat of the endangered ‘elepaio bird. And a short hike along the Pālikea trail leads to rare Hawaiian tree snails and happy face spiders.

Already, veteran Sierra Club leaders have begun to transform the degraded lands into a center for native plant propagation. Suzan Harada, a Club service trip veteran who started back in the 1970s, has set the pace by spearheading the construction of an enclosure to protect a grove of ‘iliahi (native sandalwood) from grazing animals. Under Suz’s leadership, High School Hikers have planted hundreds of native plants with a survival rate better than 90%.

Building new hiking trails on the mountain will not only enhance recreational opportunities and help train a new generation of leaders, but the pathways will help to protect the forest from wildfires.

The Pālehua property is owned by the family of the late Lorin Gill, a founding member of the Hawai‘i Chapter of the Sierra Club. The Gill family mission is to protect the conservation, agricultural, and historic resources of the mountain forever. The Sierra Club Outings Committee has scheduled service projects at Pālehua on April 15 and 16th, May 20th, and June 24th. See page 9 for more details.