



The Kaho'olawe Island Reserve Commission

2. OLA I KE KAI O KANALOA

Ocean Resources Management Program

May-November 2014

Ongoing Projects

Grants

- NOAA Marine Debris Removal Grant

'Oawawahie- On Oct. 23rd staff hiked down to 'Oawawahie with two volunteers to finalize and secure all debris for helicopter removal in Nov. This required all plastic trash bags, filled with debris, to be placed into larger "super sacks" that would be flown to LZ1 for huey lift back to Maui. A total of 20 "super sacks" were lifted out of 'Oawawahie on Nov. 24th and flown to LZ1. The weight of the debris from this area was approximately two tons.



'Oawawahie Bay after the last clean up/prep.
Notice "super sacks" in top left of picture.



Staff and volunteers and re-bagged debris



State FAD GG off of 'Oawawahie

- In Sept. staff participated in the dive operations that removed a State operated fish aggregation device (FAD) off the shore line of 'Oawawahie. The GG FAD was dragging about 100' of chain and was entangled on the reef. The chain was lifted and freed, the entirety was taken back to Ma'alaea.



FAD GG upon delivery to Ma'alaea



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Kanapou- Two accesses and clean up events were conducted in Kanapou, one in May and the second in Oct. The combined accesses consisted of 32 volunteers and eight staff members. All facets of the KIRC's programs supported and assisted in the coordination and logistical challenges of removing the six tons of debris from the shoreline of Keoneuli. The access in May focused upon collecting and compiling the debris for later removal. The Oct. access provided more opportunity to collect and sort debris that had washed ashore over the five month period as well flying out all of the debris. Once placed in nets the debris was flown by helicopter to the Pu'unene Raceway Park (this facility was able to be used through collaboration with the County of Maui and Kenny Sylva) where it was dropped into containers and transported to the Maui County Landfill. With a generous donation made by Malama Maui Nui, all landfill tipping fees, hauling expenses and container rentals were covered, equivalent to a savings of \$10,290.00 to the KIRC. An assortment of debris was collected and cataloged from the shoreline of Kanapou ranging from boats to refrigerators to derelict fishing paraphernalia and of course, slippers. Over 700 pounds of glass and 75 pounds of plastic was recycled.



**Photos: Top- Intern Eddie Wine with the refrigerator he uncovered.
Middle- South Keoneuli before.
Bottom-South Keoneuli after.**



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Kanapou Continued:



Volunteers work to load debris into large nets



~1 ton of debris prepped and rigged for helo ops



~2 tons of debris removed from Keoneuli



Photos: Top- North Keoneuli before
Bottom- North Keoneuli after (note debris pile upper left)





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Puhianenu: June 20th to 24th, staff led an access group of UHMC Marine Science students as well as State Senator Shimabukuro and her family. During this access the group was taken out to Puhianenu to conduct another beach clean up of the area that had last been visited in January. Work was also done to place all previously collected debris into “super sacks” in preparation for later removal with helicopter. In Nov. staff and one volunteer hiked out to Puhianenu to conduct the helo operations to remove the approximately one ton of debris. The debris was flown to Honokanai ‘a to be taken back to Kihei via ‘Ohua back hauls from Base Camp.



Volunteers hike out to Puhianenu



Some of the interesting things found on the shore



Volunteers load ~1 ton of debris into “super sacks”



Staff in front of the marine debris poster at the HCC

●NOAA Marine Debris Removal Grant Cont. Hawaii Conservation Conference (HCC): Through funding from the grant and as an obligation for the grant, staff attended the 22nd annual HCC. During the poster presentation session, staff educated participants on the positive effects the debris removal efforts are having both environmentally as well raising social awareness of the negative effects plastic use can have upon the marine environment.



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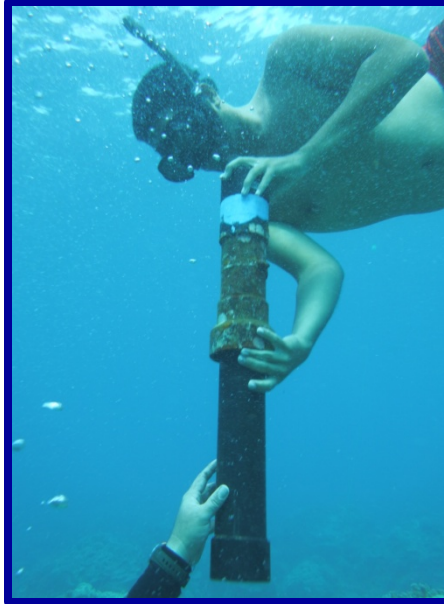
Grants

●DOH III

On June 13th program staff conducted SCUBA dives to remove and replace the DOH III sediment traps at Hakioawa, Hakioawa Iki and Kuikui.



Staff diver caps and removes trap



Diver is met mid water



Surface diver takes sample

●HCF Grant

During the June 20th-24th access with UHMC Marine Science students and State Senator Shimabukuro, HCF grant obligations were met with community outreach/education and fish gut analysis. This opportunity exposed future marine resource managers to monitoring methods as well as first hand experience to see how non-native/invasive fish can impact a native environment.



Left: UHMC Marine Science student conducts in water survey of fish biomass size classing.

Right: State Senator Shimabukuro participates in non-native fish dissection and gut analysis.





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Field Surveys/Access

- DoBOR Buoy Installation

Program staff assisted on May 21st with the installation 12 near shore buoy markers at Hanakao'o beach. The project was a joint project with staff from DoBOR Maui.

- Newest Monk Seal Pup Born on Kaho'olawe

The latest monk seal pup birth was discovered during field surveys conducted on Aug. 20th. On Sept. 24th, staff worked with NOAA representatives to tag the female pup (#F44/F45). This is the mother's third pupping on Kaho'olawe, she also was born on Kaho'olawe in 2005.

Conferences and Outreach

- IUCN World Park Congress

Through funding opportunities provided by the Hui Kāpehe Grant, a Program Staff member and an intern (Arlen Cabrinha III) attended a conference hosted by the International Union for the Conservation of Nature in Sydney, Australia. The IUCN World's Park Congress is a global protected area and conservation conference with over 5,000 attendees from 160 different countries. Talks ranged from land and ocean management including indigenous management techniques, to how to engage the community with emphasis on youth, and new technologies and methodologies.

- U.S. Coral Reef Task Force (USCRTF)

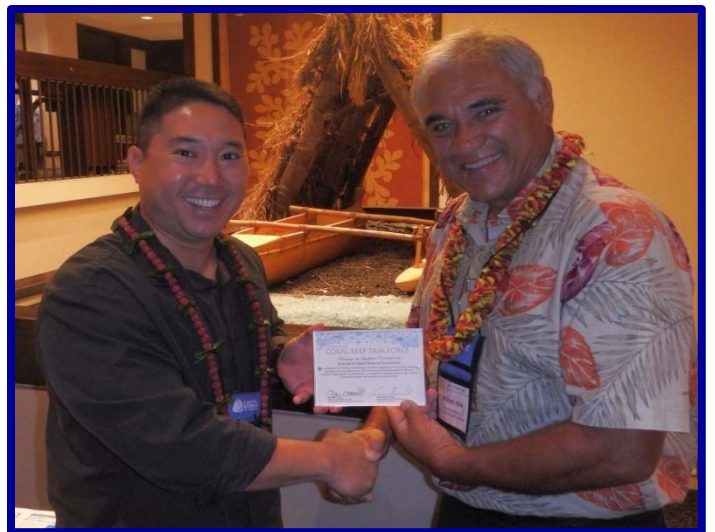
On Sept. 11th, the KIRC was recognized by the USCRTF with an award that highlighted the "significant work and efforts that the KIRC and its volunteers have made in the areas of restoration to the island of Kaho'olawe and its surrounding waters." Established in 1998 by Presidential Executive Order to lead U.S. efforts to preserve and protect coral reef ecosystems, the group meets biannually.



Staff diver secures buoy marker at Hanakao'o



Stanton Enomoto, Staff, and Intern @ IUCN conf.



Staff with Commissioner Aila @ USCRTF Meetings