



2. OLA I KE KAI O KANALOA Ocean Resources Management Program

Grants

December 2017 to April 2018

Hawai‘i Community Foundation (HCF) IV Grant; Malama Kaho‘olawe:

• December ‘17 to March ‘18 saw many successes, some changes and a few challenges in our HCF IV grant project. Successes: With the help of over 440 volunteers hours 2,041 plants were planted along the coastline of Kealaikahiki ‘Ili helping to reduce coastal erosion and runoff as well as trying to protect coastal infrastructure. Removal efforts of invasive non-native fish over this period totaled 145 pounds. The largest fish to date was collected during the January dives. Currently we have planted 4,521 native plants and removed over 300 pounds of invasive fish through this grant, leaving only 479 plants to be planted by the end of June and exceeding our fish removal obligation by over 50 pounds. Changes: We are diversifying the species of native plants that are being planted along the coastline as well as the locations of where they are being utilized. Thanks to Alu Like funding we are planting mau‘u ‘aki‘aki, pōhinahina and ohelo kai in addition to ‘aki‘aki. These new species will be planted in the seasonal wetland in Honokanai‘a and hopefully become established throughout the year with minimum watering. Collaborating with our Restoration Program staff, we have begun to strategically place sand bags along the road side entering Honokanai‘a to slow the flow of water energy before it enters the reef below the road. Challenges: Large kona storms passing over Kealaikahiki in February caused major flooding events that washed out approximately 150 ‘aki‘aki plantings. Some of the affected area was refilled to try to reduce water flow energy up stream of the planting site in anticipation of future rain events.



Top Left: Volunteers planting ‘aki‘aki grass at Honokanaenae in efforts to help stabilize the access road as well as help with sediment run off.

Above: Program staff with roi that was removed in January from the Keanakeiki area. With this catch we have now exceeded our grant obligation.

Left: The Honokanaenae planting area after heavy rains. About 150 plants were lost.



2. OLA I KE KAI O KANALOA

Ocean Resources Management Program

December 2017- April 2018

Hui Kapehe Program

Marine Debris Removal:

- The Ocean Program was able to work with Hui Kāpehe interns in March through funding made possible by Alu Like, to remove over a ton of debris from Kaho'olawe. The debris that was collected at Puhianenuue was staged and netted for helicopter flight back to Maui where it was later hauled to the County Landfill. A second clean up event is being planned for early August. Areas of focus will be 'Oawawahie, Puhianenuue and Hakioawa. Staff is working with PKO members to have the debris in Hakioawa pre-bagged and covered until August. We are planning to remove approximately three tons of



Heavy net debris is placed in netting



Hui Kapehe interns working together



2,000 pounds of debris is carried off



Max load of debris is set w/in lift net