



# 1. RESTORATION SUMMARY

*January-April 2015*

## **January 2015**

### **Restoration Activities:**

Lyman and Eddie assisted with Kui's Hui Kāpehe intern program. Two of the interns assisted Lyman with the monitoring of the 20 soil erosion control plots in the DOH 3 work area. Overall soil accumulation in the control treatment area (erosion control barriers and plants) has retained soil by .8 mm. Soil loss in the control area (no erosion control barriers and no plantings) soil loss continues at 4.4 mm.

Lyman escorted three Department of Health (DOH), Clean Water Branch staff to island (January 13, 2015) to review DOH 3 work projects and progress. DOH staff were very impressed with the progress (plant establishment, soil accumulation behind erosion control measures). DOH staff has given the KIRC a 3 month extension on DOH 3. The new completion date of DOH 3 is June 30, 2015.

Eddie assisted in keeping the Hui Kāpehe program running on island. He assisted in preparing vehicles and equipment for the day's activities.

Lopaka worked on finalizing the HCF/NOAA billing and reporting on the progress at Honokanai'a Beach restoration. 'Aki'aki plantings at Honokanai'a are doing well. The KIRC received another HCF/NOAA grant for \$50,000 for branch restoration. This grant ends at the end of 2015. Lopaka Continued to drive the 'Ohua as needed and assisted Grant in the 2.5 week overhaul of the 'Ohua.

Jamie submitted a poster abstract the Hawaii Conservation Conference (August 3-6, 2015). "A Plan to Restore Seabirds on Kaho'olawe: Developing Partnerships and Renewing Connections". He also worked with Island Conservation staff in developing a "Kaho'olawe Island Seabird Restoration Project, Rodent Eradication Bait Trial Scoping Document" and chapter three for the Business plan for "Kaho'olawe Seabird Restoration Project, Chapter 3. Possible Approaches."

Paul submitted an abstract for an oral presentation for the Hawaii Conservation Conference (August 3-6, 2015). "Monitoring the Effectiveness Of Erosion Control Features in Tier 1 Areas of Hakioawa Watershed on Kaho'olawe, Hawai'i."



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## **February**

Thirteen volunteers from the U.S Fish and Wildlife Service planted 800 plants in the DOH 3 work area. The group was extracted from island a day early due to anticipated high surf on Friday.

Volunteers reroofed the auto shop and the electrical building at Honokanai‘a.

Jamie, Island Conservation staff and USFWS met on island to discuss and lay out the August bait trial plots. Four plots were laid out. Rodenticides to be applied during these trials are D50-Diphacinone, 25D-Brodificum and ROZOL (Chloropahcinone). One plot will be used as a control and no baits will be applied.

The KIRC received an additional \$50,000 from the Hawai‘i Community Foundation for coastal restoration at Honokanai‘a. Five thousand plants will be planted at Honokanai‘a.

Jamie held a Kaho‘olawe Island Restoration Project Steering committee meeting in Honolulu. Topics discussed during this meeting were the upcoming bait trials, business plan and cultural protocols.

## **March**

The mice population on island had not peaked. More mice were expected throughout the island. Volunteers and staff were vigilant on additional mice proofing of the buildings.

Lyman submitted the eighth billing for the DOH 3 project. He also planned for installation of the photovoltaic system that will power air conditioners in the KIRC staff hut and at the cultural center. Installation date is planned for May 22-26, 2015.

Eddie Wine (KUPU intern) controlled tumble weed along the Kuamoo road.

Jamie continued to maintain the Bureau of Land management weather stations.

Twenty-five volunteers accessed the island working on DOH 3 work projects.

Jamie and Paul received notice that their papers were accepted for the Hawai‘i Conservation Alliance Conference in August.



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## **April**

The last remaining sediment tube was retrieved from Hakioawa.

The mice population peaked during April with an average catch of nine per trap. Staff and volunteers cut back vegetation and patched buildings around Base Camp to minimize the impact.

Lopaka led a group of 15 volunteers from the Pacific American Foundation. The group worked on coastal restoration at Honokanai‘a and DOH 3. Lopaka also assisted with the operating and maintenance of the ‘Ohua.