



## Soil Enrichment Trials in Degraded Coastal and Wetland Areas on Kaho‘olawe (USFWS, Pacific Birds Habitat Joint Venture)

### BACKGROUND

The purpose of this project is to develop a novel technique that uses biochar to improve the soil health in degraded coastal and wetland areas on Kaho‘olawe that are currently undergoing restoration efforts.

### DELIVERABLES

- Set up nine experimental plots using biochar and vermicompost tea at three sites on Kaho‘olawe
- Soil analysis before and after applying soil media
- Publication of materials for public consumption

AWARD AMOUNT: \$10,000

FUNDER: USFWS - Ducks Unlimited, Inc

### HIGHLIGHTS

Completed installation of all nine Biochar plots. Completed sampling of before and after soils treated with Biochar which was sent to the University of Hawaii, Soils and Ecosystem Lab for complete analysis. Three accesses were completed.

### FINANCIAL UPDATE

*SPENT*  
**\$7,959.55**

*BILLED*  
**\$1,206.68**

*RECEIVED*  
**\$0**

PROJECT UPDATE: February 1, 2022 – May 31<sup>st</sup>, 2022

Interim report with first billing was sent to Ducks Unlimited for reimbursement in April. All experimental plots were completed, and data is pending from the University of Hawai‘i. Hawaii Public Radio picked up the KIRC press release news article and the project was featured on “The Conversation.”



Ka Ipu Kukui group after installing biochar plots



The three test site locations on Kaho‘olawe