



Restoration: Soil Enrichment Trials in Degraded Coastal and Wetland Areas

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: Ducks Unlimited, Inc.- USFWS

HIGHLIGHTS

Installed 3/9 Biochar plots in November 2021. Developed techniques that use Kaho‘olawe endemic microbes into a vermicompost compost tea applied to soil media. Supplies acquired and awaiting invoice for billing.

FINANCIAL UPDATE

SPENT
\$0

BILLED
\$0

RECEIVED
\$0

PROJECT UPDATE: December 1, 2021 – January 31, 2022

December and January accesses were canceled due to inclement weather. Future accesses will include completion of experimental plots and acquiring baseline soil samples.



Planter boxes using Biochar at Kealialalo



Location of worksites on Kaho‘olawe