



Hakioawa Operations and Maintenance Plan 2021 (DOH V)

BACKGROUND

An 18 month “O and M Plan” has provided maintenance to the pre-existing irrigation and soil erosion control (wattles and check dams) infrastructure, and outplanted 5000 new native plants and re-measured soil monitoring data in a previous 2018-2019 15ha (37A) DOH Project Site in Hakioawa Watershed.

DELIVERABLES

- Out plant 5000 native plants on previously established irrigated planting corridors
- Install twenty (20) check dams
- Read eight (8) Soil Erosion Pin Transects and determine reduction in sediment load
- Take 28 baseline photopoints and 7 drone images for comparison to 2019

AWARD AMOUNT: \$122,228.05 (\$92,185.91 Grant funds, \$30,042.14 Matching funds)

FUNDER: State of Hawai’i, Department of Health, Clean Water Branch (from U.S. EPA)

HIGHLIGHTS

- To date, 5000 native plants have been out planed in the Project Site with 87 volunteers
- To date 20 check dams have been constructed in small gullies

FINANCIAL UPDATE

*SPENT*  
\$63,268.22

*BILLED*  
\$58,194.35

*RECEIVED*  
\$58,194.35

PROJECT UPDATE: February 1, 2022 to May, 31 2022

Two DOH trips took place in February, 2022 and finished the volunteer requirement of 400 hours. A fourth Quarterly Status Report and billing were submitted in April 15, 2022. 3000 more native plants were outplanted in February, March and April, 2022 Soil erosion pin transects were re-measured in April 2022 and analysis of reduction of sediment load compared to May 2021 exceeded the target of a 5% load reduction.



A new wattle was constructed for the last 1000 plants

Volunteers rolling up the new wattle

Volunteers out planting in the new wattle

