



National Coastal Wetlands Conservation Grant Program (CWC Grant)

BACKGROUND

The project aims to enhance 2.69 acres of seasonal palustrine emergent and scrub-shrub coastal wetlands in Honokanai‘a. Enhancement of the coastal wetland in the project site will involve: the removal of invasive species and the reintroduction of native plants; the construction of waterflow control devices and sediment traps along and across 1.74 acres of road, the excavation of an existing .13-acre silt pond to catch sediment. Benefits of this project will be measured through wetland water retention rates observed via the live stream cameras monitoring the area, water level data loggers, terrestrial surveys during monthly accesses and water quality improvements using a Sonde, a long-term monitoring device. Pre- and Post-project monitoring will include drone imaging to track vegetation changes in the project area. **Grant Life: March 2022-August 2024.**

DELIVERABLES

- Directly enhance 2.69 acres of palustrine emergent and scrub-shrub coastal wetland habitat in Honokanai‘a by removing invasive alien plants, reintroducing native plants, and reducing siltation within 30 months of the project start date.
- Conduct a minimum of 12 monitoring investigations of wildlife species and habitat responses to assess project success within 30 months of the project start date.
- Conduct 24 lectures/outreach events to increase awareness of the proposed project, associated activities and actual outcomes funded by the grant within 30 months of the project start date.

AWARD AMOUNT: \$ 355,531

FUNDER: U.S Fish and Wildlife Services

HIGHLIGHTS

- ✓ Hire a second ORS II for a two-year period.
- ✓ Plant 20,000 plants and removal of invasive plant species.
- ✓ Excavate silt pond and redirect runoff from the road with sandbags.
- ✓ Deploy long term ocean water quality device and a weather station.
- 2 of 2.69 acres have been enhanced through plantings and invasive removal.
- 10 of 12 monitoring investigation/observations have been conducted.
- 20 of 24 lecture/outreach events have been held to raise awareness of this project.

FINANCIAL UPDATE

SPENT
\$164,337.00

BILLED
\$139,000.00

RECEIVED
\$0.00



PROJECT UPDATE: Jan. '24 – March '24

- To date 23,681 native plants have been planted, exceeding the grant obligation by over 2,000. Non-native vegetation removal has continued.
- Two lecture/outreach events were conducted in January related to this grant project. The first was to the marine science class at Seabury Hall High School and the second was to 4-H Kahului Chapter.
- Interim reports were submitted to our federal grantors regarding financial spending updates and grant progress reporting for the period of Jan. to Dec. 2023.



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Photos Above: Seabury Hall marine science students learn how to measure beach slope change using the Emery method and then are shown how to plot their measurements in a graph.



Staff planting in a “seasonal” wetland: before, during and after. Over 900 ‘Aki‘aki were planted in this area to help reduce sedimentation during rain events and slow ocean inundation during large surf events.