

Katelyn B. Woodbury, B.S.

Ecologist

Maui Environmental Consulting, LLC

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Experience

Maui Environmental Consulting, LLC
Paia, Hawaii
Ecologist
2021-Present

Redline Rafting,
Kihei, HI
First Mate and Naturalist
2018-2021

Education

B.S., Biology, Minor in Environmental Science
Belmont University, 2015

Certifications

A-Z Grant Writing, Hawaii Community College

Open Water Diver, PADI

CPR and First Aid, Divers Alert Network

Memberships & Affiliations

Na Kai Ewalu Hawaiian Canoe Paddling Club
2021-Present

As an Ecologist with Maui Environmental Consulting, LLC (MEC), Katelyn has experience in water quality monitoring, aquatic systems rehabilitation, wetland assessments, and wildlife ecology throughout Hawaii's ecosystems. Katie has conducted research investigating water quality and biodiversity and has volunteered on research teams studying fishery ecology in both Hawaii and the Gulf of Mexico. She is particularly interested in ecology and marine conservation. As an Ecologist at MEC, Katelyn has delineated wetlands and worked to restore riparian corridors. She has also conducted listed species surveys and conducts water quality sampling for clients throughout the main Hawaiian Islands. Katie is adept at grant and report writing, as well as data collection and analysis. She is proficient in Microsoft Office applications, field data collection, and reporting. Below is a list of projects Katelyn has worked on at MEC.

Ecologist – Red Hill Drinking Water Quality Sampling

In November of 2021, a fuel leak at the Red Hill Navy storage facility contaminated the drinking water supply and displaced thousands of residents at Joint Base Pearl Harbor-Hickam military base on Oahu, HI. MEC was contracted to sample the drinking water at residential homes within the affected area. Katelyn conducted drinking water quality sampling in accordance with methodologies provided by the State of Hawaii Department of Health and the Environmental Protection Agency. Results were used to determine whether contaminants remained in the plumbing systems of residential homes.

Ecologist – Keokea Gulch Riparian Rehabilitation

Katelyn is currently rehabilitating the riparian corridor of Keokea Gulch in Kihei, HI. Thousands of native plants have been planted and R-1 wastewater is being utilized as irrigation. Redirecting the R-1 wastewater back into the soil has a twofold effect in that it prevents injection of the wastewater into the ocean, and it aids in the establishment of plant and root systems to prevent erosion and runoff. Katelyn has installed irrigation and planted native vegetation and has played a vital role in the continued monitoring and reporting of this project. Funding for further expansion of the project has been granted.

Ecologist – Underground Injection Control Water Quality Monitoring

Katelyn is currently working with a GOLD New Construction Leadership in Energy and Environmental Design (LEED) certified resort in West Maui. The resort uses geothermal heat rejection to replace the need for chillers and cooling towers (which emit harmful greenhouse gases and are among the top consumers of water and electricity at resorts) to provide cool air conditioning throughout the 393-villa resort while saving thousands of gallons of water every day. As part of the permitting requirements associated with this air conditioning system, Katelyn conducts water quality sampling in accordance with the Hawaii Department of Health Safe Drinking Water Branch permitting program.