

## CASE STUDY

# Whitewater & ECOFILTER Used in System for Ecologically Sensitive Area Coastal Hawaii

### SYSTEM SPECIFICATIONS

15,000 GPD Wastewater Treatment System

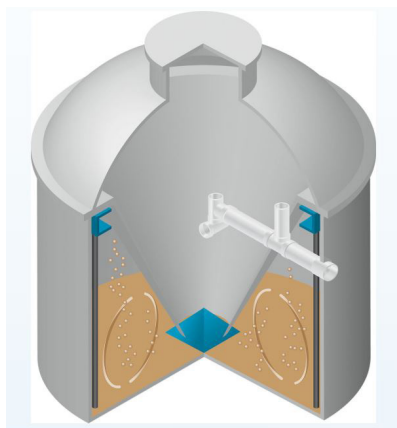
### PRODUCTS

Whitewater® DF60 Aerobic Treatment Unit  
ECOFILTER™ Pump Vault

### DESCRIPTION

A coastal retreat community located on the shores of Hawaii was looking to remove large capacity cesspools that serviced their vacation lodging facilities. The goal was to replace them with a technology that provided improved water quality in order to protect beaches and waterfront enjoyed by approximately 500,000 recreational users annually. The technology had to be mindful of sensitive ecological constraints and stringent regulations while protecting and maintaining ancient Hawaiian burials and cultural resources.

Infiltrator Water Technologies was commissioned to provide a treatment solution that would be installed at each individual lodging facility. The Whitewater DF60 system was provided to service 26 individual cabins along the coast of the island. The DF60 is a Pump Vault unit designed to reduce BOD, TSS and ammonia with a 600 GPD design flow capacity. Wastewater discharged from the cabin flowed into a 500-gallon pre-treatment tank equipped with an effluent filter, then into the Whitewater unit for biological treatment, and finally into a 500-gallon pump tank equipped with an ECOFILTER pump vault. The water was discharged into raised absorption beds, planted with native Hawaiian flora. Delta provided all tanks, equipment and controls for each system installed.



The Whitewater unit allowed the community to upgrade its wastewater treatment systems to meet new standards of environmental and cultural stewardship. The discharge from the Whitewater units met and exceeded local regulations. The absorption beds were re-vegetated with a variety of native Hawaiian plants that provide aesthetic and educational benefits to guests.

