

# Services in Hawai'i



## OUR BACKGROUND

The H. T. Harvey & Associates Hawai'i team has decades of cumulative experience working in Hawai'i. From modeling the potential impacts of renewable energy projects on the Hawaiian hoary bat and endangered birds, to devising invasive plant control tactics, to developing management, monitoring, and habitat conservation plans for terrestrial and marine projects, we deliver a range of specialized ecological services in Hawai'i. With intimate local knowledge of Hawai'i's ecosystems and the regulatory and policy landscape, and company-wide support from more than 100 scientists and other professionals, we apply our expertise in wildlife, plant, and fish and aquatic ecology to assist clients with resource management decisions and conservation activities unique to Hawai'i's ecosystems.

## SENIOR STAFF

**Senior Associate Ecologist, Paul Conry, M.S.**, a former administrator for the Hawai'i Division of Forestry and Wildlife, leads our Hawai'i office. Trained in wildlife biology, he combines knowledge of Hawai'i's natural resources with more than 30 years of experience with environmental regulatory processes.

**Senior Ecologist, Shahin Ansari, Ph.D.**, is a seasoned plant ecologist who understands the Hawaiian Islands' habitats, ecological history, unique native biota, and invasive plant control methods.

**Senior Ecologist, Gregory Spencer, B.S.**, is an avian ecologist with experience in the renewable energy industry. He specializes in conservation strategies and habitat conservation plans for seabirds and other species in Hawai'i.

**Principal, Scott Terrill, Ph.D.**, is an internationally recognized avian ecology and behavior expert. He directs our renewable energy and research activities, including projects for wind energy clients in Hawai'i.

**Principal, Sharon Kramer, Ph.D.**, is a marine biologist who leads our marine and hydrokinetic team. She brings her aquatic ecology and fish biology expertise to renewable energy projects in Hawai'i, California, and beyond.

**Associate Ecologist, Dave Johnston, Ph.D.**, is a wildlife ecologist and authority on bats. He has worked on hundreds of bat-related projects, and has handled, studied, and developed protocols for the Hawaiian hoary bat.

**Senior Ecologist, David Ainley, Ph.D.**, is a noted avian ecologist and expert on the ecology of Hawaiian petrel and Newell's shearwater. He develops conservation strategies for threatened and endangered species.

**Senior Ecologist, Peter Nelson, Ph.D.**, is a marine ecologist with more than 20 years of experience working with fish. Pete's expertise includes fish community ecology, coral reef health, and collaborative fisheries management.



## SERVICES

- » Ecological support for renewable energy projects
- » Environmental analyses
- » Habitat conservation planning
- » Habitat restoration design
- » Permitting and compliance support
- » Special-status species studies and consultations
- » Applied research



# HAWAII PROJECTS

## **Updates to Hawai'i's Wildlife and Forest Action Plans** – Statewide

New assessments of statewide wildlife conservation and flora protection needs and species vulnerability, species accounts, and management recommendations for DLNR's Hawai'i's Wildlife and Forest Action Plans.

## **Regulatory and planning support for establishing a National Estuarine Research Reserve (NERR) in Hawai'i** – O'ahu

Gap analysis of available natural resources, species, and habitat data, analysis of project impacts, and development of a reserve management plan to support designation of He'eia estuary in Kāne'ohe Bay as a NERR.

## **Hawaiian hoary bat radiotelemetry, acoustic monitoring, and modeling at a wind energy site, and at a mitigation wetland** – O'ahu

Evaluation of Hawaiian hoary bat presence, movements, home range, and behavior to assist with strategies to reduce and effectively mitigate for take under an existing habitat conservation plan.

## **Proposed operational protocols to avoid take of Hawaiian hoary bat during timber harvest operations** – Statewide

Scientifically sound and practical protocol proposed for protecting the endangered Hawaiian hoary bat during forest harvest. This protocol was developed with the Hawai'i Forest Industry Association and submitted for agency review.

## **Hawaiian petrel and Newell's shearwater population modeling for wind energy site mitigation options** – Maui

A deterministic population dynamics model for evaluating the effects of predation and predator control on Hawaiian petrel and Newell's shearwater in three mitigation scenarios for several wind energy projects. These models were critical in informing current mitigation strategies.

## **Botanical surveys for infrastructure improvements projects** – Lāna'i

Inventory and documentation of botanical species for potential airport and road expansion, as part of an environmental assessment.

## **Permitting assistance for a small boat harbor** – Island of Hawai'i

Coral, coral habitat, and marine life surveys to support permits related to harbor improvements in Kawaihae, and protocol revisions for coral relocation to avoid direct impacts on essential fish habitat.



## EXAMPLES OF CLIENTS

Earthjustice  
Engineering Partners, Inc.  
Goodfellow Bros, Inc.  
Green Energy Team, LLC  
Hawai'i Department of Land and Natural Resources (DLNR)  
Hawai'i Forest Industry Association  
National Marine Fisheries Service  
Office of Planning, State of Hawai'i  
SunEdison  
U.S. Fish and Wildlife Service  
U.S. Geological Survey



## COMPANY OVERVIEW

Since 1970, the highly trained ecologists and professionals at H. T. Harvey & Associates have delivered exceptional consulting services to public agencies, private entities, and nonprofits.

## CONTACT Us

**Paul Conry**  
808.441.2081  
pconry@harveyecology.com



**H. T. HARVEY & ASSOCIATES**

Ecological Consultants

[www.harveyecology.com](http://www.harveyecology.com)