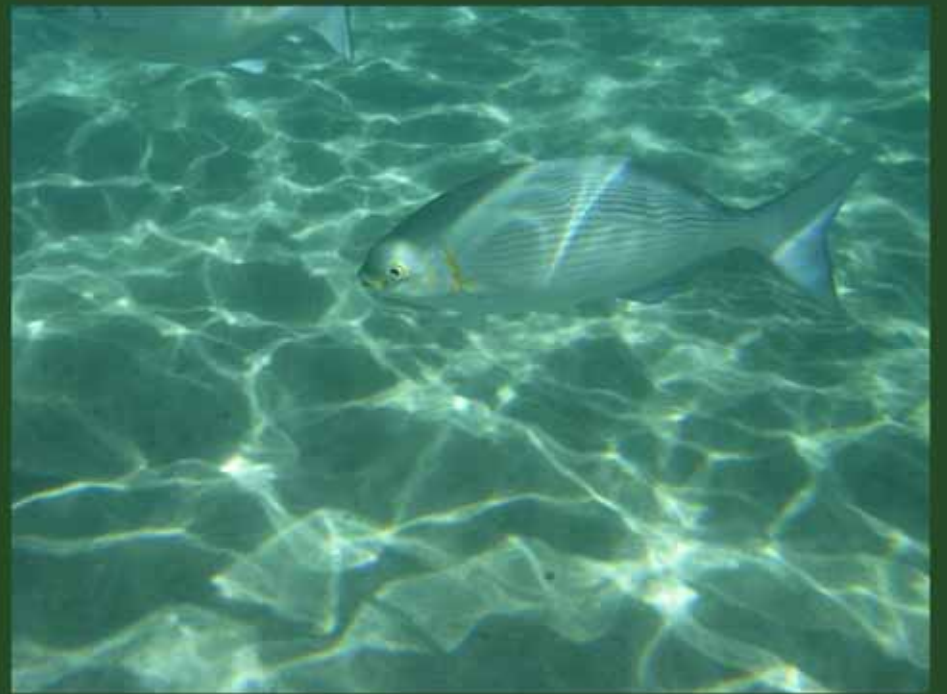


# Kaua`i

## He `āina momona











# Progress on Protecting Kaua'i's Natural Resources

- Watershed Protection and Freshwater Security
- Invasive Species Prevention and Control
- Community-Based Marine Management
- Native Species Restoration

\* Based on the Aloha+ Challenge targets

# Watershed Protection and Freshwater Security

# Watershed Protection and Freshwater Security

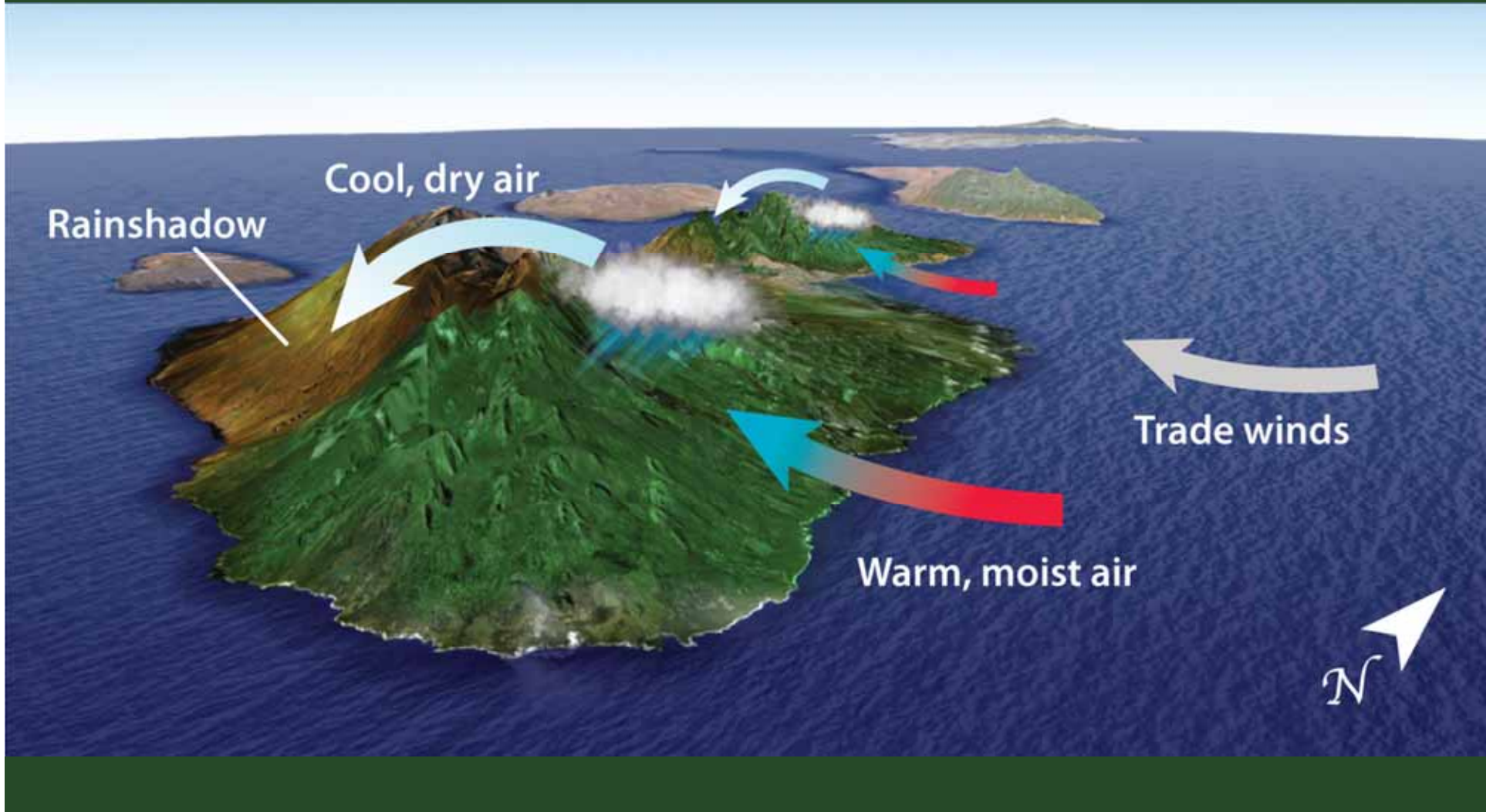


**All Life Depends on Water**

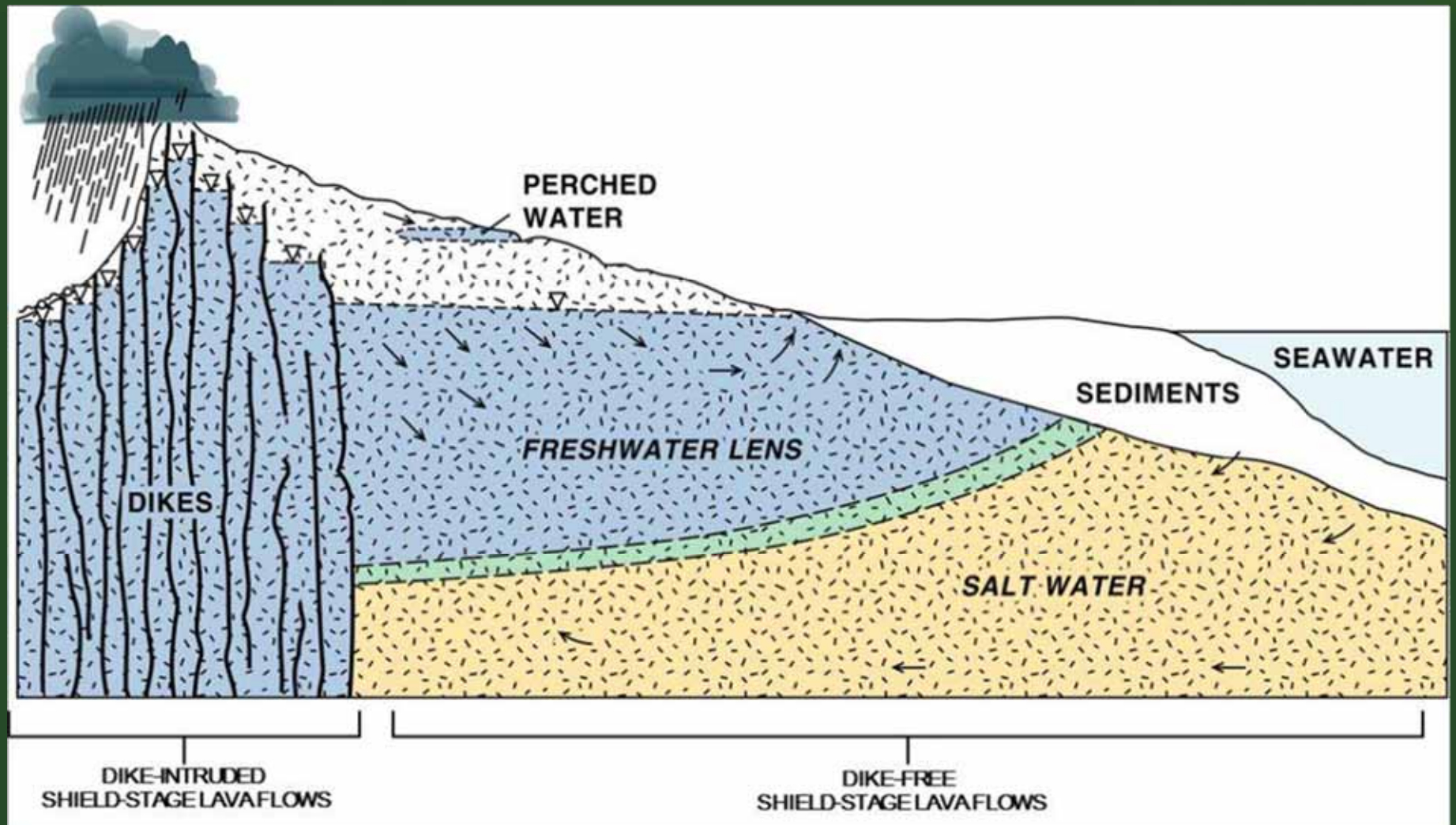


# Orographic Precipitation

the source of all fresh water in Hawaii



# Aquifers Store our Rain Water





**Healthy watersheds are the key!!**

# The Kaua'i Watershed Alliance



KWA was formed in 2003 for the long-term protection of Kauai's uppermost watershed areas.

Our lands encompass 144,004 acres.

The Nature  
Conservancy



Protecting nature. Preserving life.™

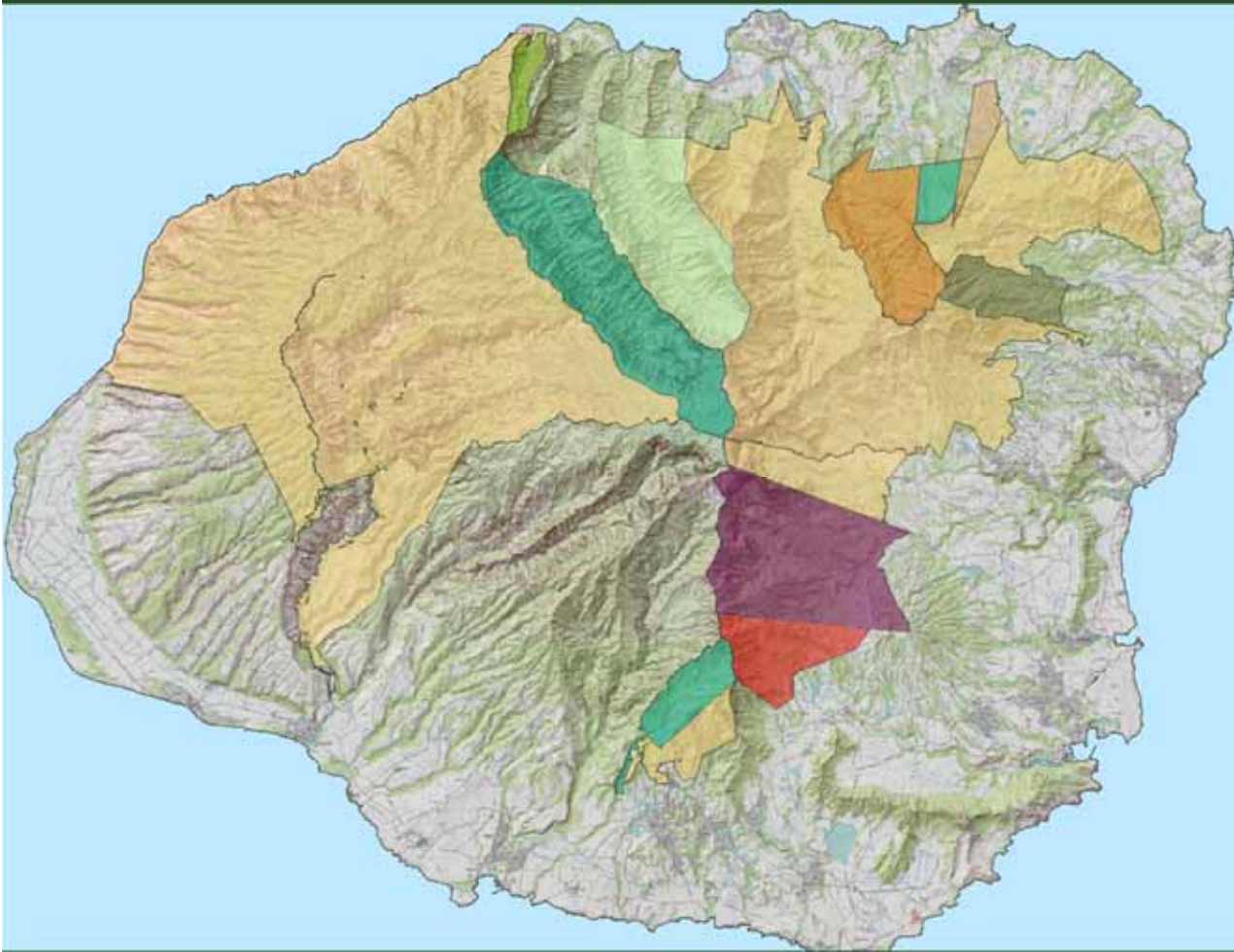
TNC is our coordinator

# Kauai Watershed Alliance Members

State of Hawaii – DLNR & DHHL

National Tropical Botanical Garden

County of Kauai – Department of Water



McBryde Sugar Co.

Kamehameha Schools

Princeville Utilities

Lihue Land Company

Grove Farm Company Inc.

Namahana Farms

Kauai Ranch LLC.

Jurassic Kahili Ranch

# KWA Priority Projects

1. Weed Control
2. Kanaele Bog Restoration
3. Limahuli Predator Control
4. The East Alakai Protective Fence
5. Wainiha Conservation Project
6. Research and Development
7. Advocacy and Support



# Upper Limahuli Fence



# Innovative Trapping Methods



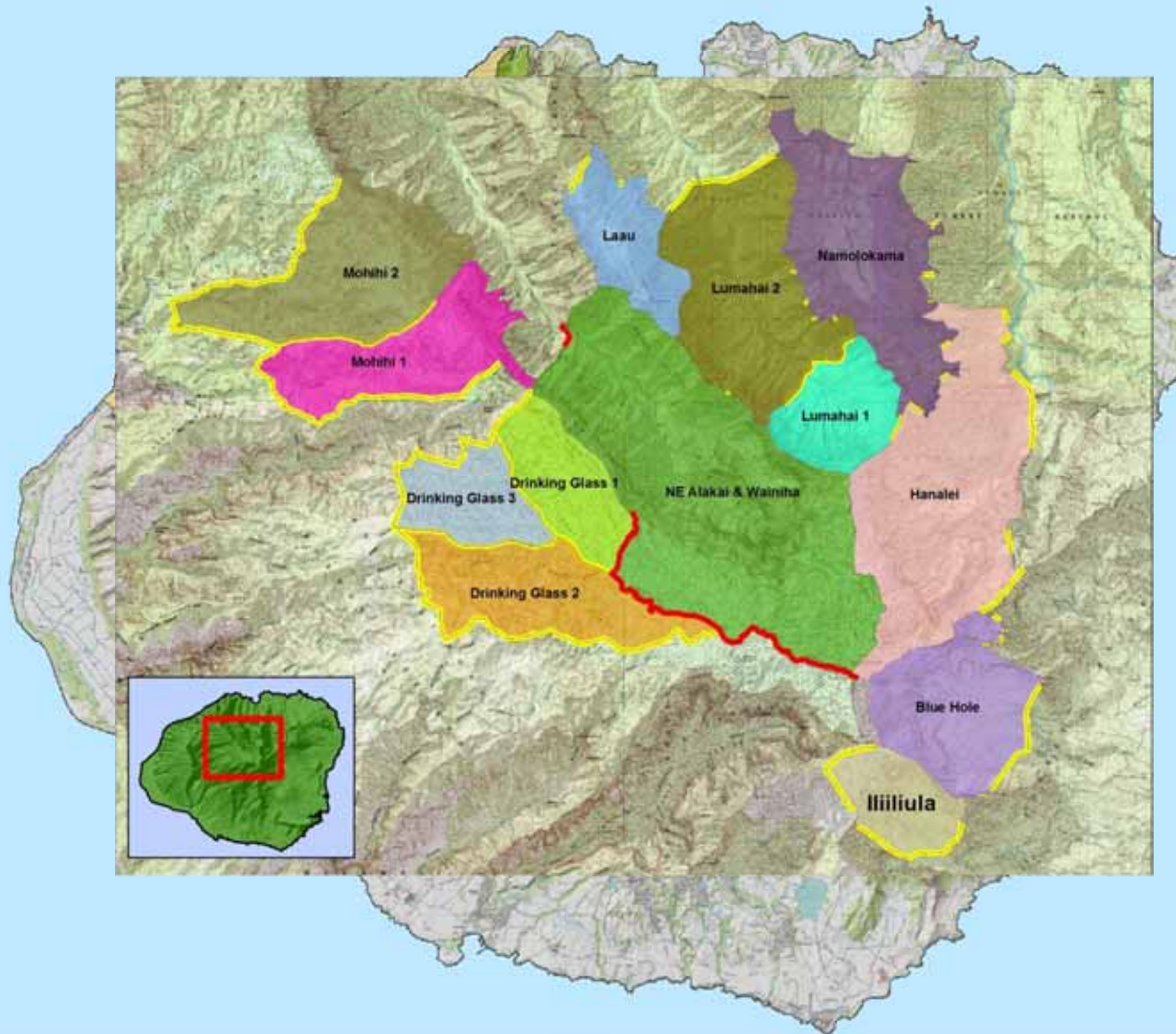


# Aerial Mapping and Weed Control



# 10-year Goal

Protect 25,000 Acres of Core Watershed



# The Rain Follows The Forest

*Habai no ka ua i ka ululā'au*

A Plan to Replenish Hawaii's Source of Water

Department of Land and Natural Resources - State of Hawai'i

November 2011



*Photo: Air Mass*

KWA is now focusing on implementing the RFTF initiative on Kaua'i.

**Invasive Species**

**Prevention and Control**

# Invasive Species

## Prevention and Control

**Please Report Mongoose Sightings Immediately**



Small Indian Mongoose (*Herpestes auropunctatus*)

**Kaua'i Invasive Species Committee**

**Call KISC (808) 821-1490**

working to prevent, control, or eliminate the most threatening invasive plant and animal species

# Kaua'i Invasive Species Committee



A voluntary partnership of government, private and non-profit organizations, and concerned individuals



# KISC – Priority Species

- Cattail
- Coqui
- False Kava
- Giant Reed
- Ivy Gourd
- Little Fire Ant
- Long-thorn Kiawe
- Miconia
- Mongoose





# Feral Cat Task Force

convened and funded by the County of Kaua'i

The Task Force produced a proposed Management Plan to "contain" feral cats, neuter them, and provide care until attrition brings their numbers to zero by 2025.



Feral cat eating endangered sea bird

It is estimated there are over 30,000 feral cats on the island of Kauai.

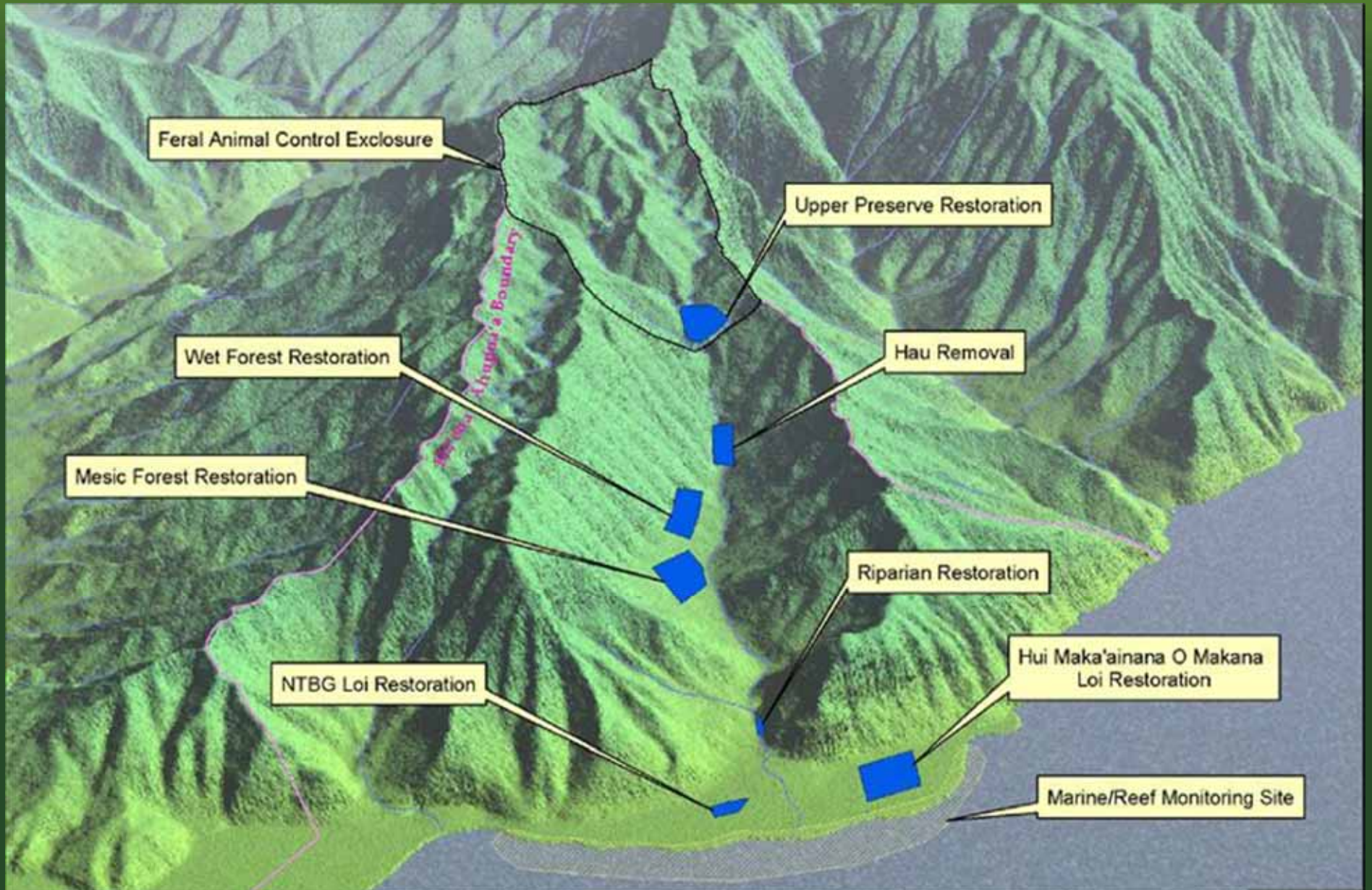
# Community-Based Marine Management

# Leading the State in innovative community-based solutions

- Hā'ena Community-Based Subsistence Fishing Area
- Lāwai'i Kai Special Subzone



# Hā'ena Ahupua'a Project



# Native Hawaiian Community





**1998 - Hui Maka'āinana o Makana**



***“HANA KA LIMA, ‘AI KA WAHA”***

***A COLLECTION OF HISTORICAL ACCOUNTS  
AND ORAL HISTORY INTERVIEWS WITH  
KAMA‘ĀINA RESIDENTS AND FISHER-PEOPLE  
OF LANDS IN THE HALELE‘A-NĀPALI REGION  
ON THE ISLAND OF KAUA‘I***



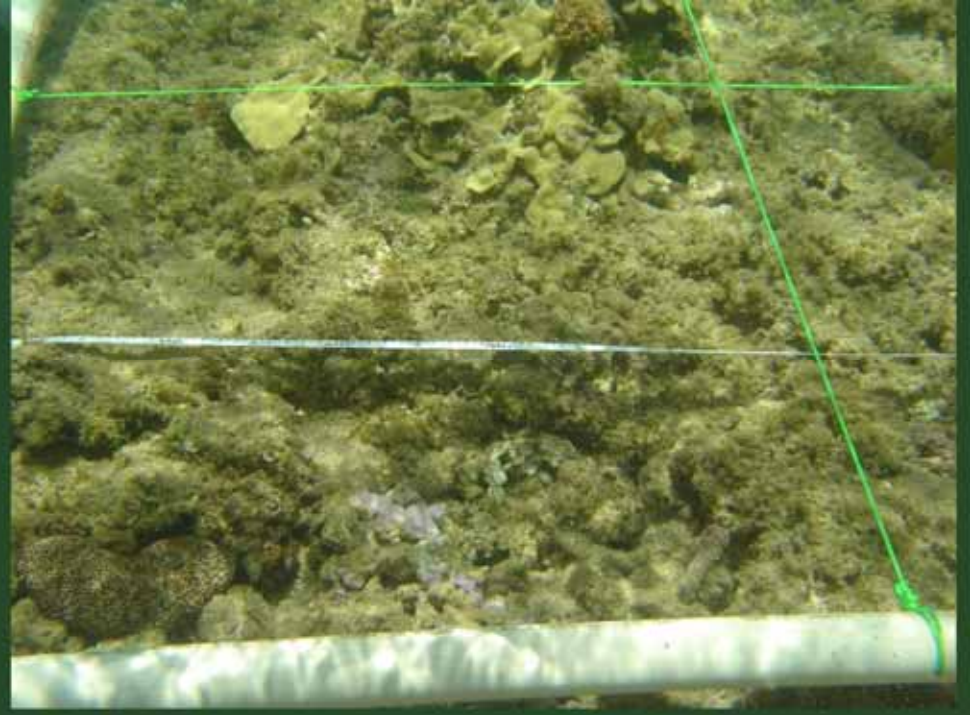




# Coral Reef Monitoring

## Limahuli, Kauai





# Community-based Marine Management

The Honorable Robert Bunda, President  
and Members of the Senate  
Twenty-Third State Legislature  
State Capitol, Room 003  
Honolulu, Hawaii 96813

Dear Mr. President and Members of the Senate:

This is to inform you that on June 26, 2006, the following bill was signed into law:

SB2501 SD1 HD1 CD1

A BILL FOR AN ACT RELATING TO FISHING.  
(ACT 241)

Sincerely,



LINDA LINGLE

**Act 241 in 2006 created the  
Hā'ena Community-Based Subsistence Fishing Area**

# Community-based Marine Management

**THE PEOPLE OF HAWAI'I** rely on near shore fisheries for subsistence and perpetuation of traditional and customary practices. These needs and practices are being compromised by climate change, fishery depletion due in part to centralized and under-resourced state management and other contemporary human environmental impacts. Globally, co-management and more holistic approaches based on traditional customary practices and values have risen as effective management systems.

## THE HĀ'ENA COMMUNITY-BASED SUBSISTENCE FISHERY AREA

A number of Hawai'i communities have pursued co-management relationships since the early 90s. Successful Hā'ena community advocacy in 2006 led to the Hawaii Revised Statutes, Chapter 188-22.9, which designates a Hā'ena Community Based Subsistence Fishing Area (CBSFA)



### **Their proposed rules consist of:**

- Traditionally defined boundaries
- Gear, harvesting and practice restrictions (non-commercial, not over extractive)
- Subzones/replenishment areas ('Opihi Restoration Area; Makua Pu'uhonua Area)

**After 8 years of meetings and planning the  
HCBSFA rules will finally go to public hearing!**

**Native Species**

**Restoration**

# Native Species Restoration



**Getting a New Lease on Life**

# New Discoveries Bring Hope for Garden Isle's Rare Flora

by Michelle Clark



Uhihi was thought to be extinct on Kauai when the last known individual died after Hurricane Iniki. Photo Credit: Natella Tangalin, NTBG

NTBG's recent discoveries of *Lysimachia venosa*, *Caesalpinia kavaiensis* and *Hibiscus clayi* give new hope for these rare species.

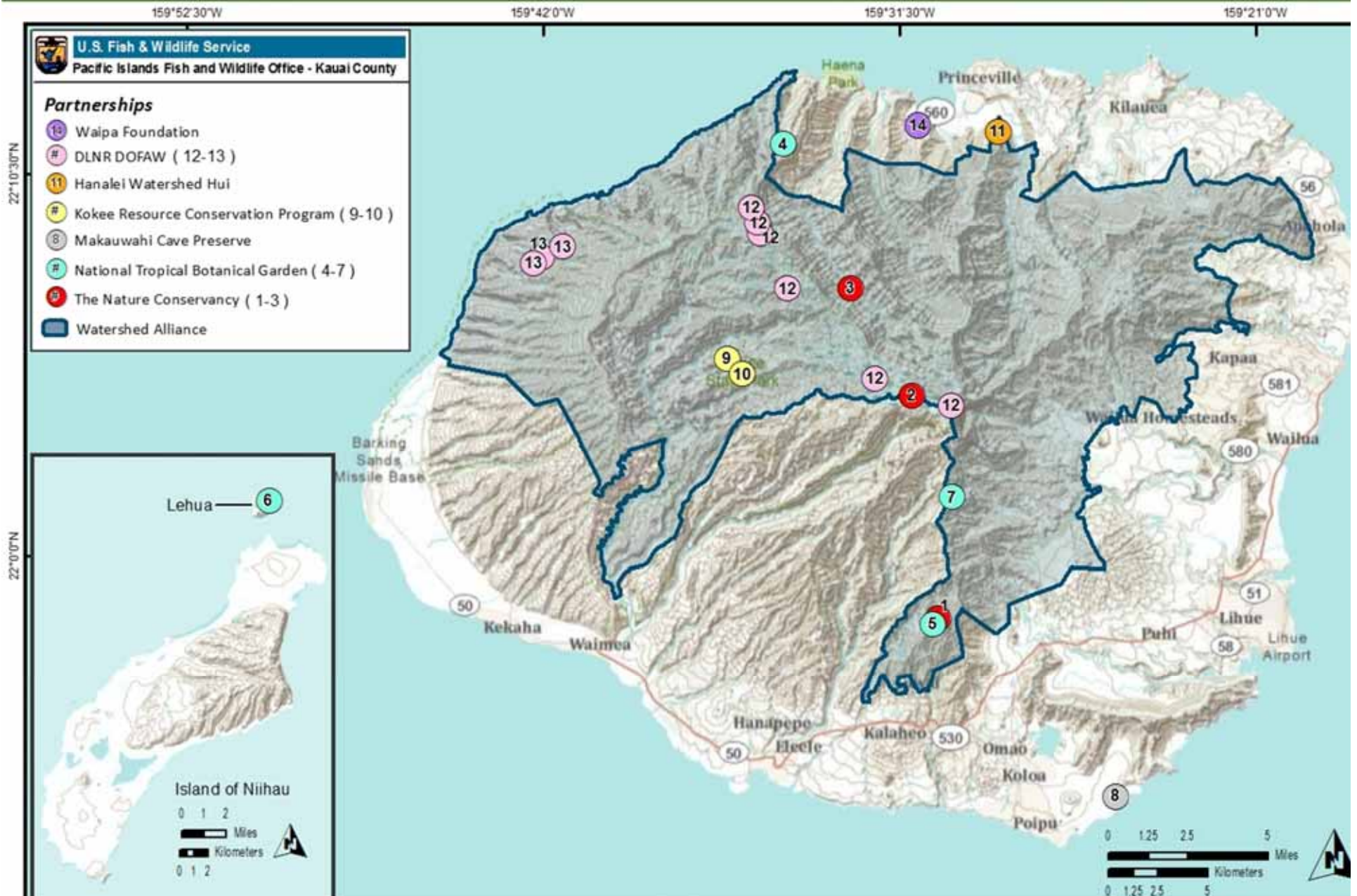


# Native-Forest Restoration





# US Fish & Wildlife Projects



# Lehua Island Restoration



The naio and mao planted in 2009 are the tallest plants on Lehua and sea birds like these boobies are now nesting in them.

# Natural Resource Conservation *“Kaua‘i Style”*

**I ola ‘oe – I ola mākou nei**

“My life is dependent on yours;  
your life is dependent on mine”

