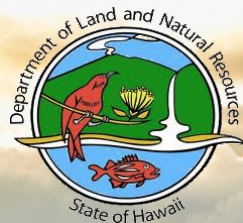


# Watershed and Native Ecosystem Protection in Hawaii

Department of Land and Natural Resources

Division of Forestry and Wildlife



October 5, 2017  
ORMP Coordinated Working Group Meeting

*Photo: Christian Kahahawai*



Department of Land &  
Natural Resources (DLNR)



Division of Forestry &  
Wildlife (DOFAW)

Wildlife

Native  
Ecosystem  
Protection &  
Management

Na Ala Hele

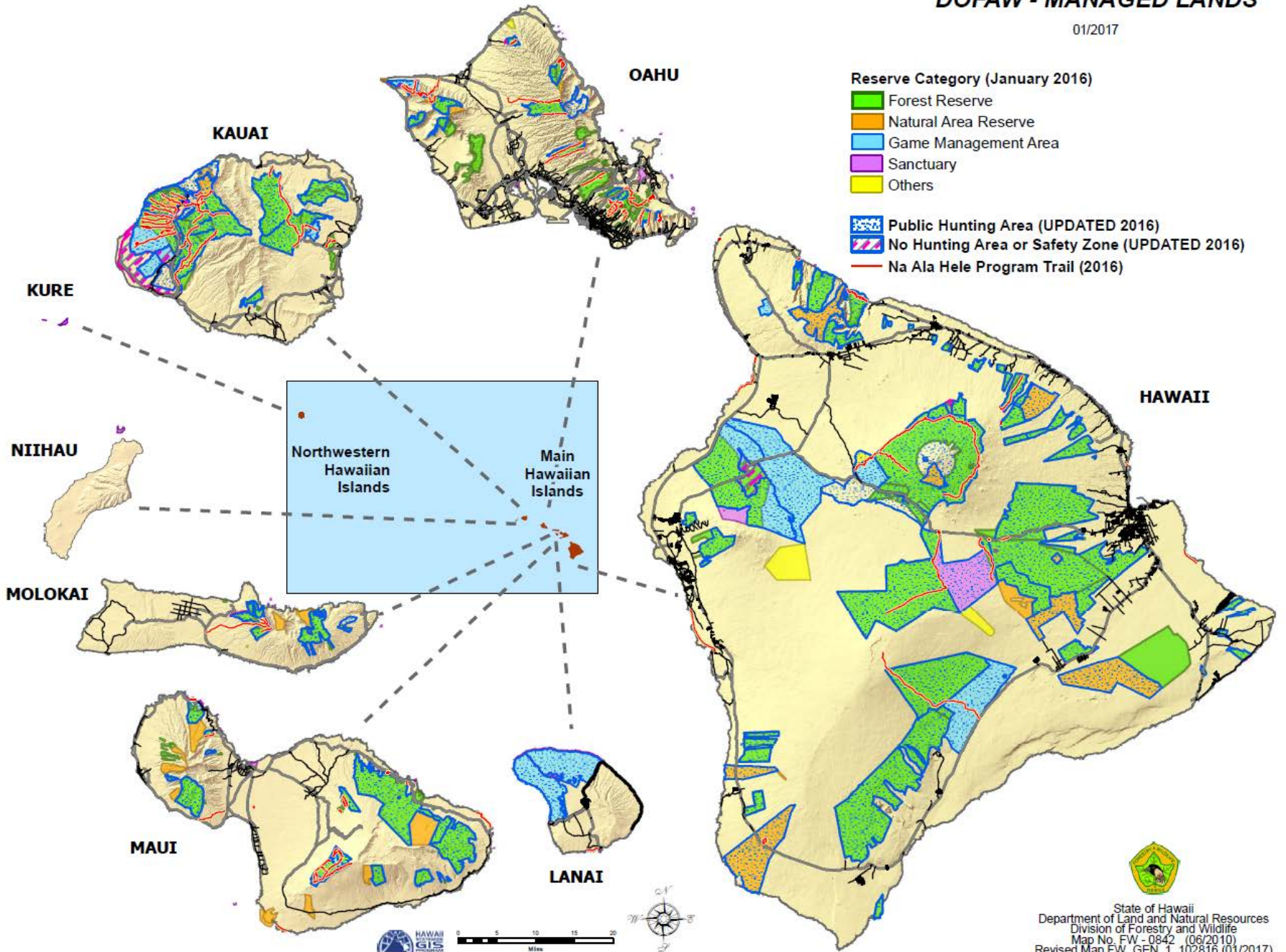
Forestry





# DOFAW - MANAGED LANDS

01/2017













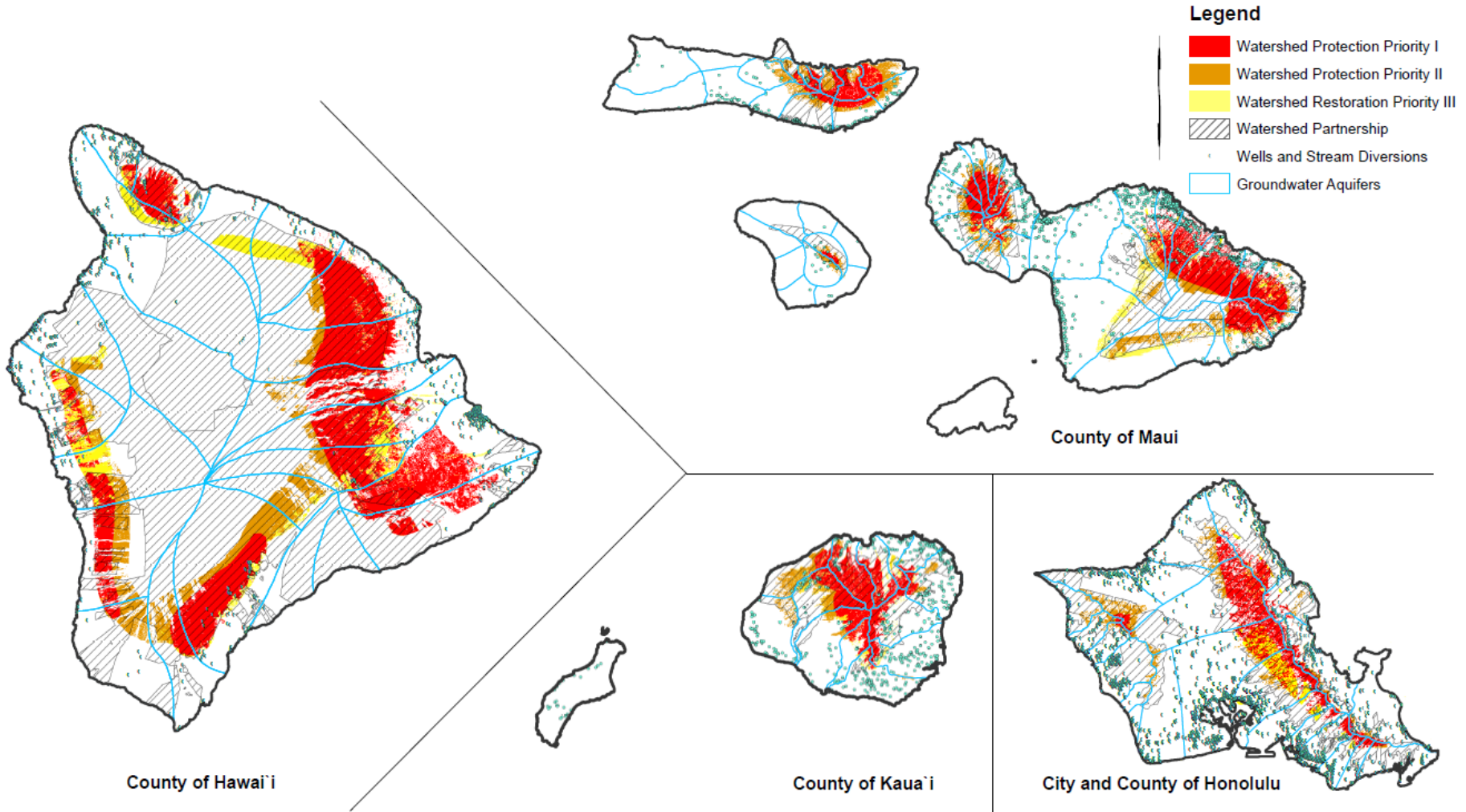








# Priority Watershed Areas



See Appendix II for methodology.  
Map created November 2011. DLNR (808) 587-4170.





# Governor Ige's SUSTAINABLE HAWAI'I INITIATIVE

Strengthening our waters, land and food for Hawaii's communities

double  
local food  
production



100% increase in local  
agricultural production  
by 2020

Hawai'i  
interagency  
biosecurity plan



Stronger invasive species  
policy, infrastructure and  
capacity by 2027

30 x 30  
watershed  
protection



30% of priority  
watersheds protected by  
2030

30 x 30  
marine  
management



30% of nearshore marine  
areas effectively managed  
by 2030

100%  
renewable  
energy



Complete transfer to  
clean, renewable energy  
by 2045



## Aloha+ CHALLENGE

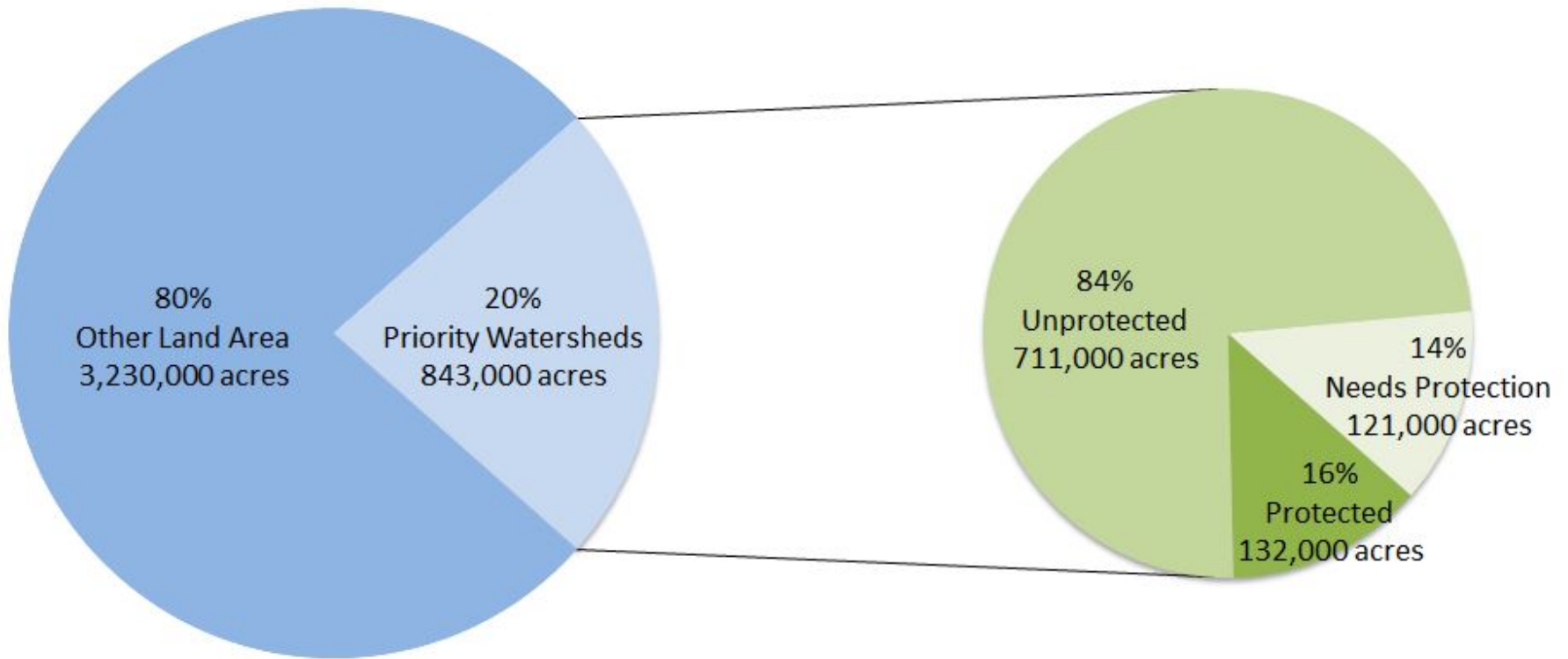






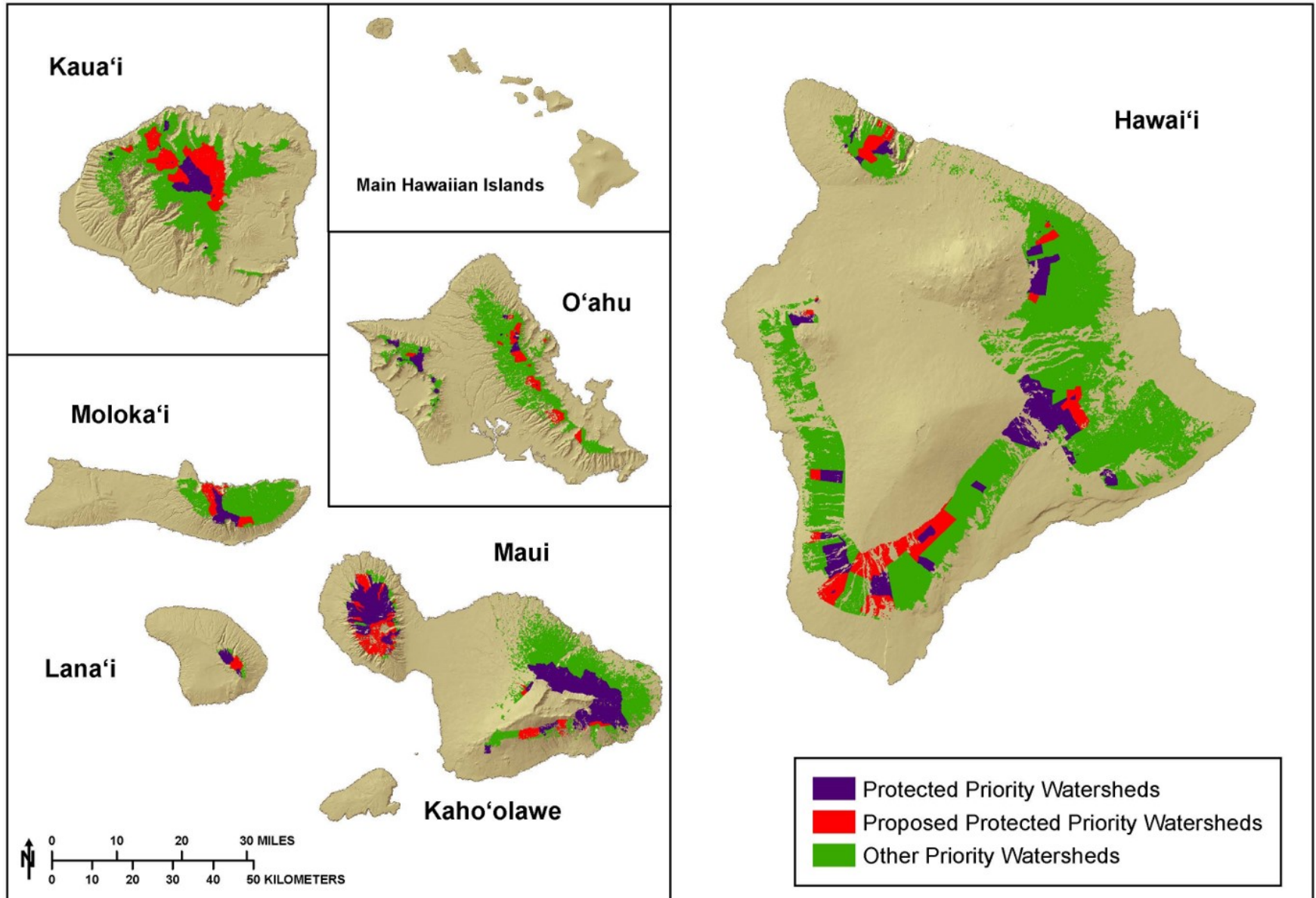


## Hawaii's Priority Watersheds Acres Protected





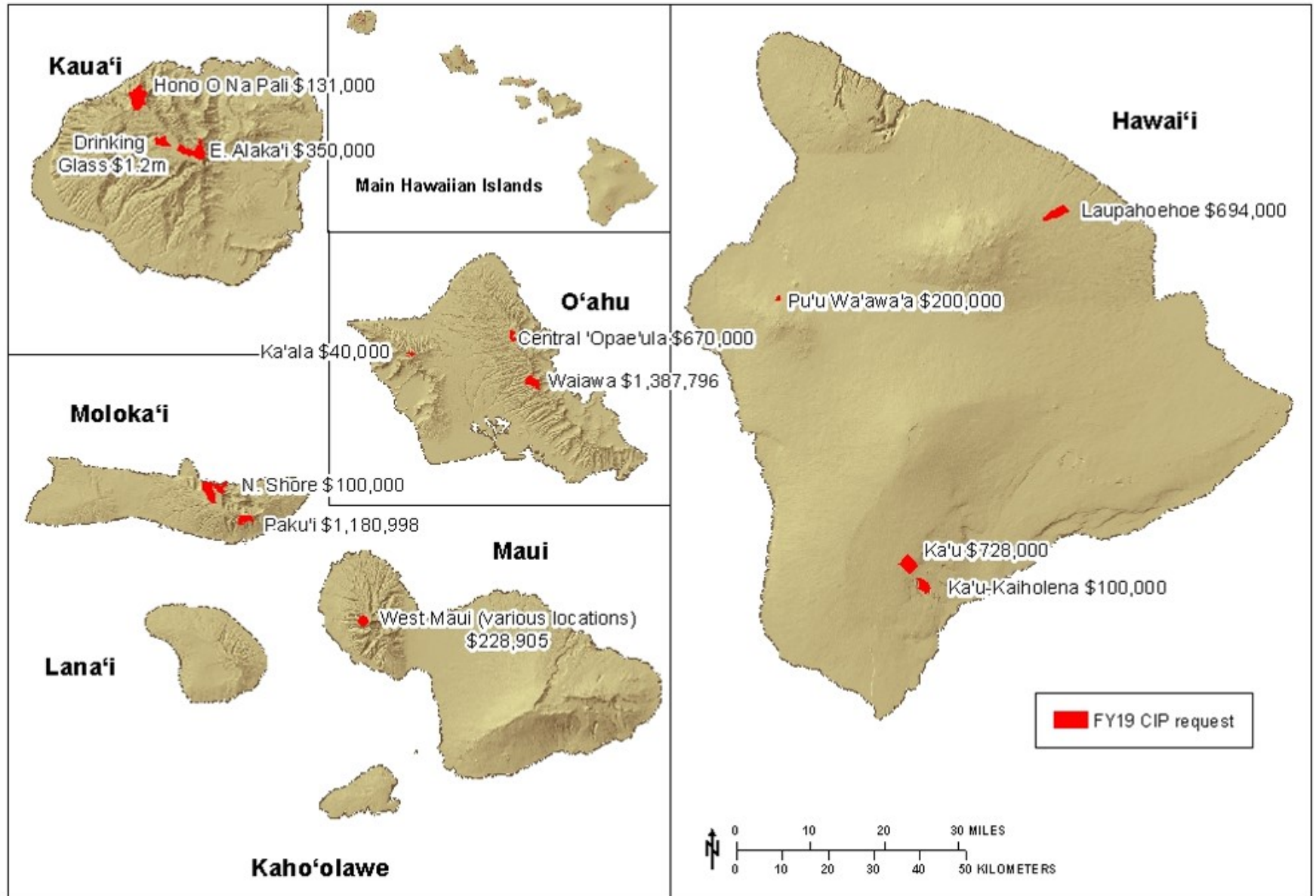
# 30x30 Watershed Plan



Features approximate and subject to change. DOFAW 587-4170.



# FY 19 Watershed CIP Requests - \$7m





# ORMP

## Management Priority #3

### Watershed Management

Connecting Land and Sea

- Address soil erosion and pollutant loads
- Enhance water quality and increase water quantity
- Ungulate removal
- Weed control
- Native forest restoration
- Protect priority watersheds

Hawai'i Ocean Resources  
Management Plan  
July 2013

Mokuopāpapa  
Pihemanu  
Holoiikauiua  
Papa'apapa  
Kaula  
Ko'aneho'a  
Pūhāhonu  
Mokumanamana  
Nihoa  
Kaula'i  
Niihau  
O'ahu  
Lāna'i  
Kaho'olawe  
Moloka'i  
Maui  
Hawai'i

Hawaii CZM Program  
Coastal Zone Management  
HAWAII STATE OFFICE OF PLANNING

NOAA  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
U.S. DEPARTMENT OF COMMERCE



# SUSTAINABLE HAWAII INITIATIVE



Hawaii is blessed with thousands of species of plants, birds, fish, marine mammals, and other wildlife found nowhere else on earth. Today, these unique species, and the ecosystems on which they depend, are in peril. We know the limits of our natural environment. We see the impacts of our actions very close to home. We are a microcosm of our planet earth. Like the Hawaiian Voyaging Canoe, we are one canoe, one island, one planet.

We in Hawaii have established ambitious goals for sustainability through the Aloha+ Challenge, which sets concrete measurable targets for both public and private sectors.


**As part of this effort, Governor Ige is proud to announce the Sustainable Hawaii Initiative.**




## A Blueprint for Action

### Water Security for an Uncertain Future

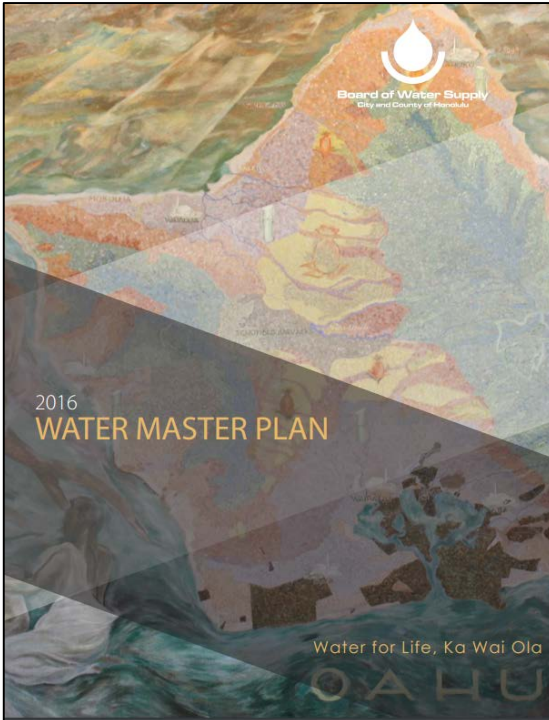
2016-2018



#### Hawaii's Fresh Water Initiative



**HAWAII COMMUNITY FOUNDATION**  
Amplify the Power of Giving



Board of Water Supply  
City and County of Honolulu

## 2016 WATER MASTER PLAN

Water for Life, Ka Wai Ola

OAHU

## The Rain Follows The Forest

*Haba'i no ka ua i ka ulu'au*

### A Plan to Replenish Hawaii's Source of Water

Department of Land and Natural Resources - State of Hawaii

November 2011










Photo: Air Maui

## Hawaii's Ocean Resources Management Plan

July 2013

Hawaii CZM Program  
Coastal Zone Management  
HAWAII STATE OFFICE OF PLANNING



NOAA  
NATIONAL OCEANOGRAPHIC AND ATMOSPHERIC ADMINISTRATION  
U.S. DEPARTMENT OF COMMERCE

## Hawaii's Green Growth



### Aloha+ CHALLENGE

HE NOHONA 'AE OIA - A CULTURE OF SUSTAINABILITY



# HAWAI'I Watershed Partnerships 2015



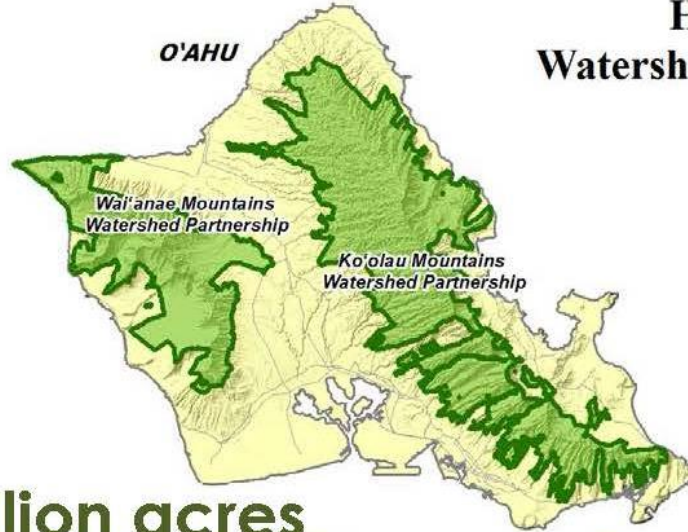
~2.2 million acres

**KAUAI**



Kauai Watershed Alliance

**O'AHU**



Wai'anae Mountains Watershed Partnership

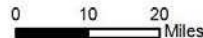
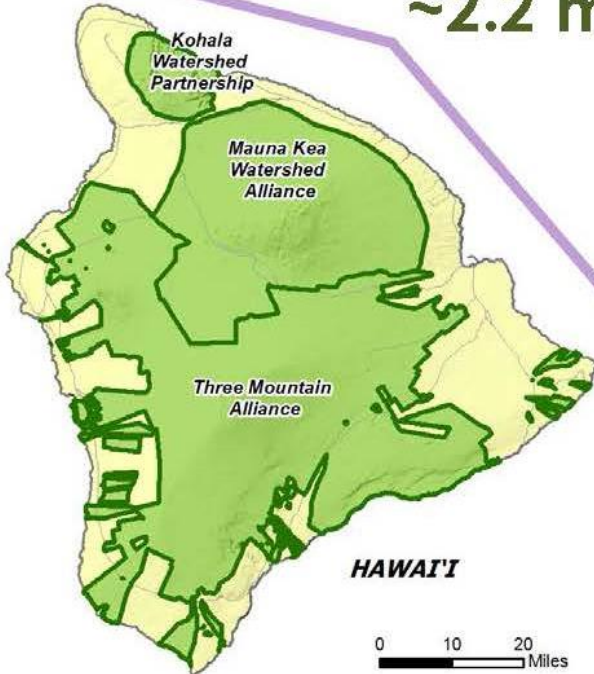
Ko'olau Mountains Watershed Partnership

Kohala Watershed Partnership

Mauna Kea Watershed Alliance

Three Mountain Alliance

**HAWAI'I**



West Maui Mountains Watershed Partnership

**MAUI**



East Moloka'i Watershed Partnership

**MOLOKA'I**



East Maui Watershed Partnership

Leeward Haleakala Watershed Restoration Partnership

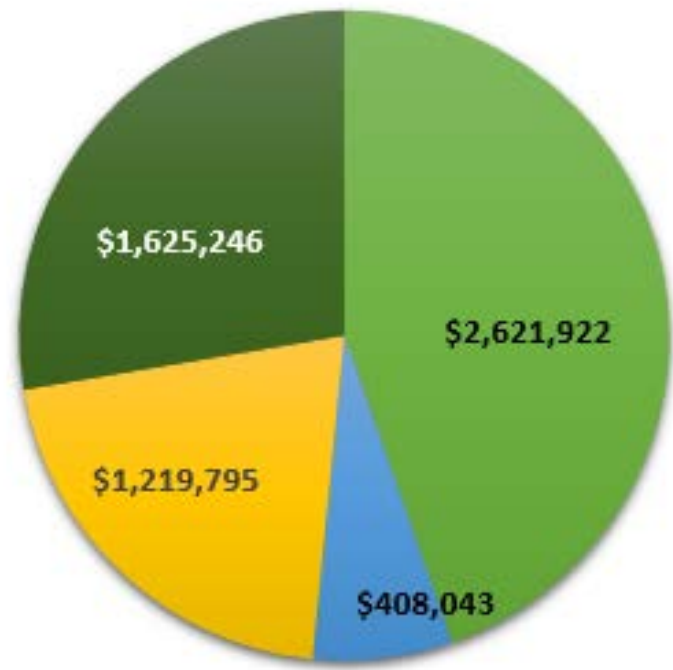


State of Hawaii  
Department of Land and Natural Resources  
Division of Forestry and Wildlife  
Map No. FW-1022 (11/2011), Edit 11/2015



# Where Does The WP Funding Come From?

## Watershed Partnerships

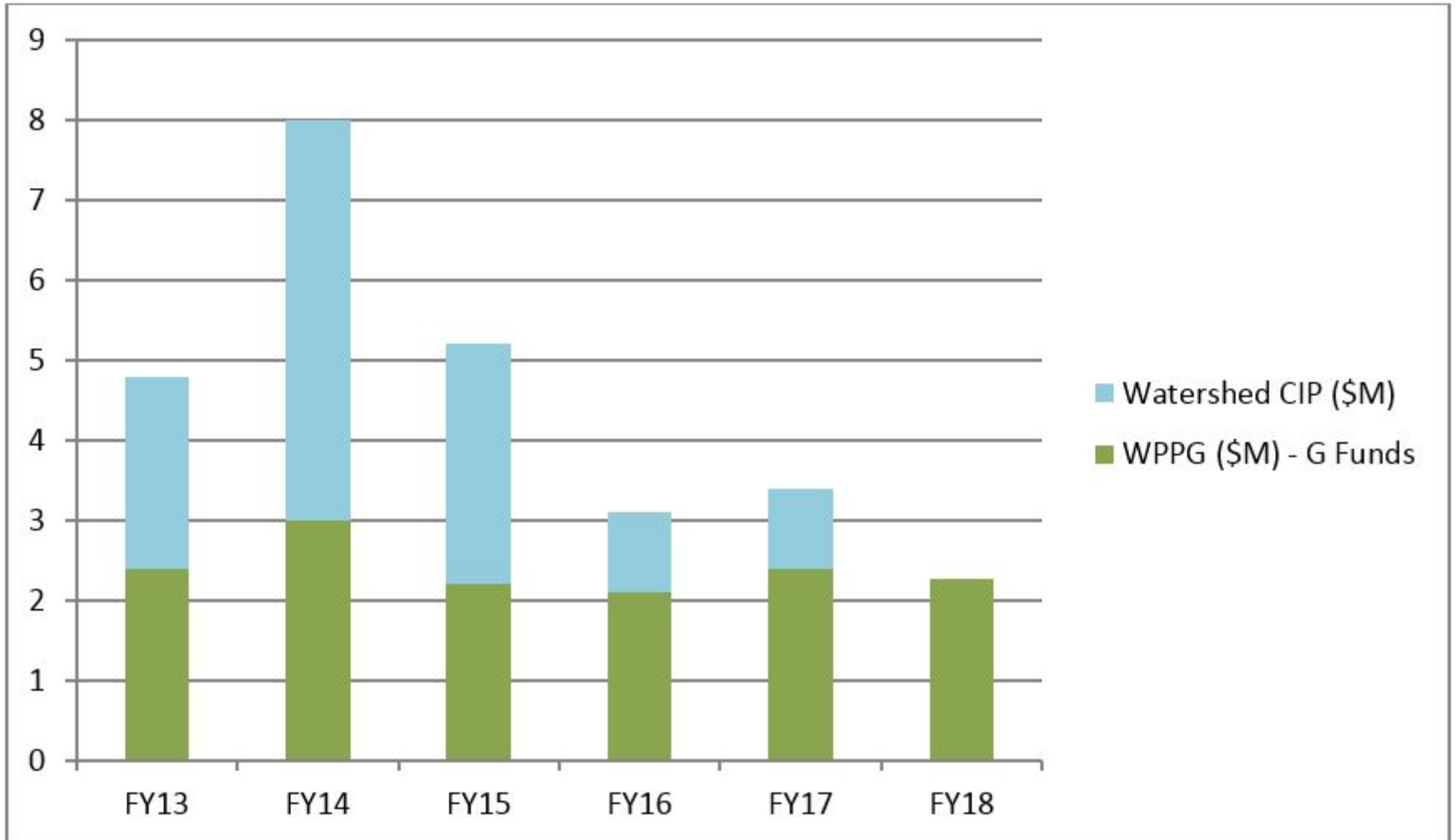


■ State (G Funds) ■ Federal ■ County ■ Private

FY15 = \$5,875,006

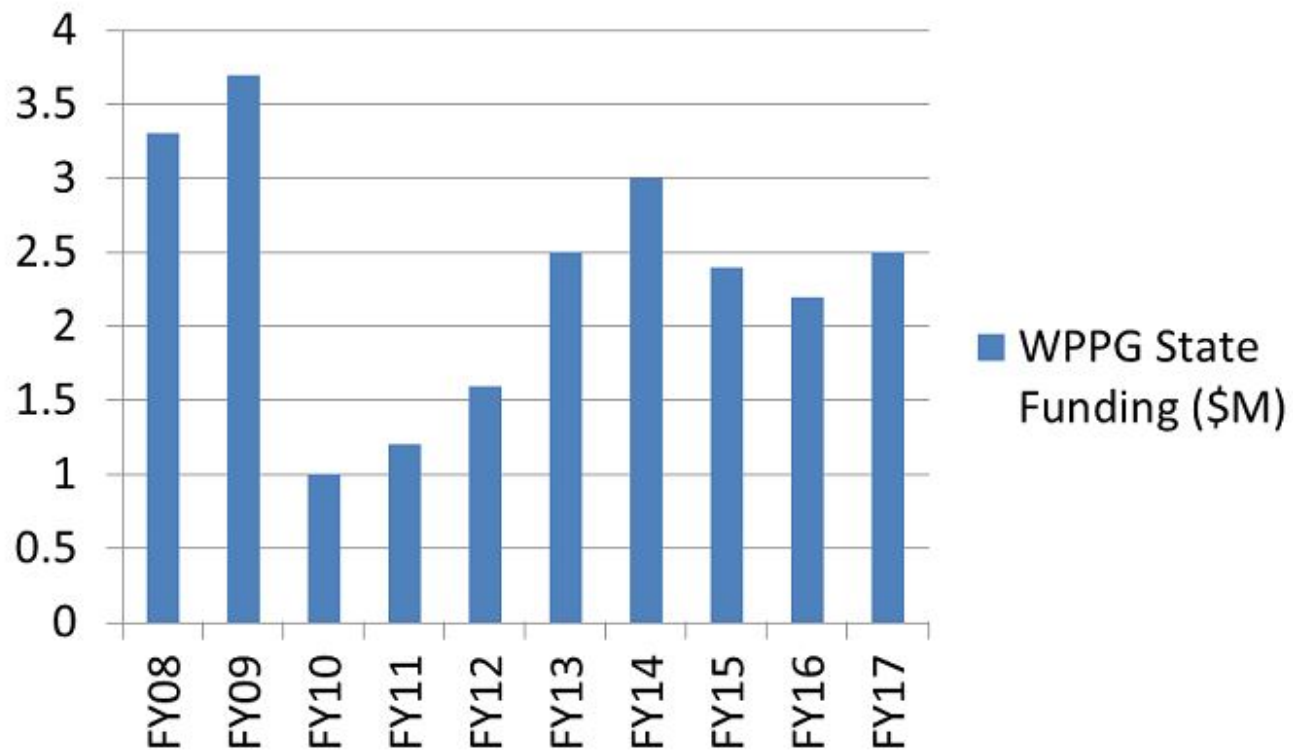


## DOFAW's Watershed Partnerships Program and CIP Funding



# DOFAW's Watershed Partnerships Program and State Funding

## WPPG State Funding (\$M)







Contact the Watershed Coordinator


### What is the West Maui Ridge to Reef Initiative?

The West Maui Ridge to Reef (R2R) Initiative is an all-encompassing approach across multiple agencies and organizations to address adverse impacts to coral reefs in West Maui. The State recognized that an integrated and comprehensive approach to reduce land-based sources of pollution is one of the most important steps to help restore coral reef ecosystems. The R2R Initiative builds on already established efforts underway and leverages resources across a number of agencies and community groups to implement actions to reduce one of the key sources of reef decline - land-based sources of pollution.

### R2R Objective



### West Maui Ridge to Reef Area

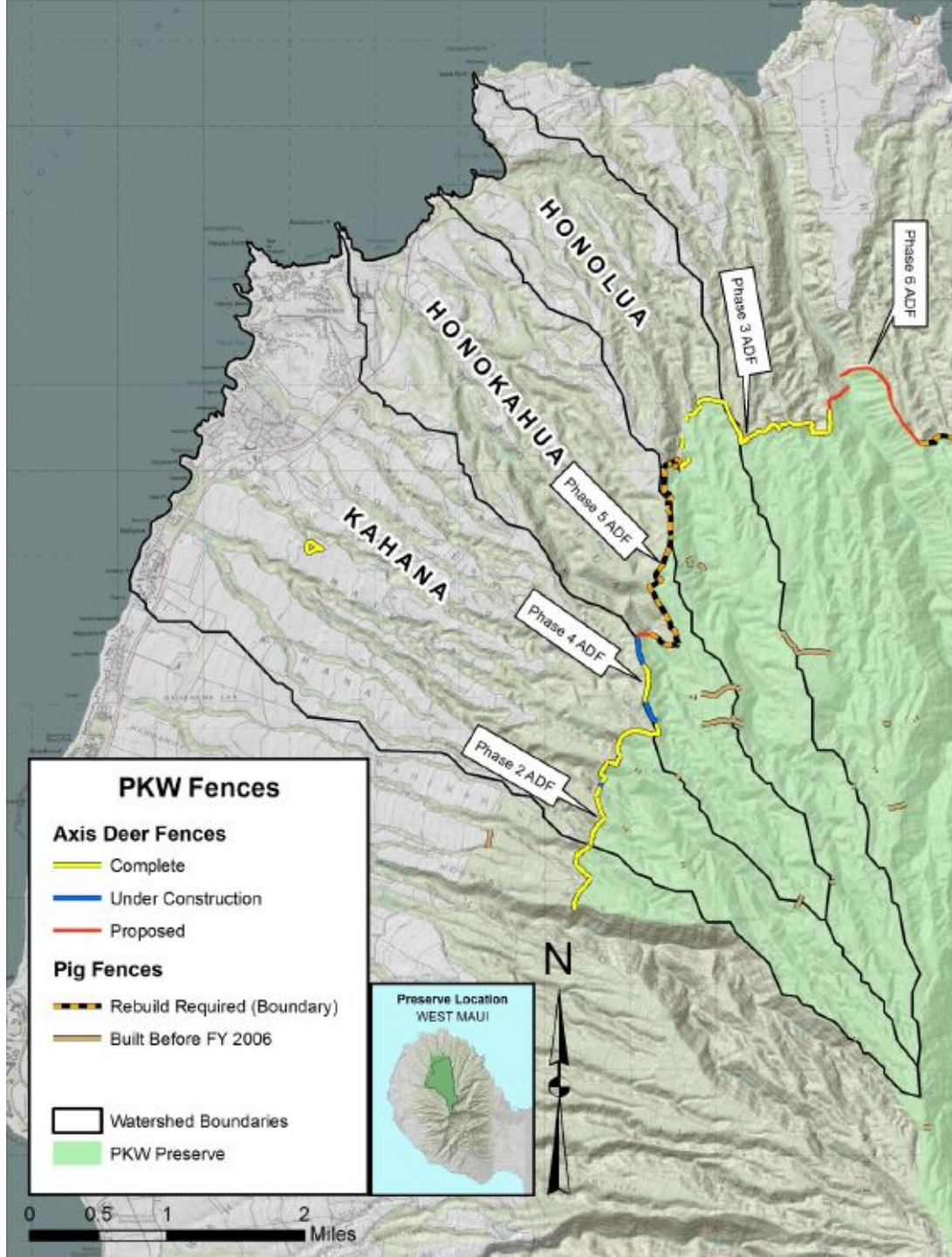
- 5 watersheds
  - Wahikuli,
  - Honokōwai,
  - Kahana,
  - Honokahua,
  - Honolulu

### Welcome!

Peruse through to learn about the R2R, better understand the health of your watershed from ridge to reef, and discover ways to get involved so that the West Maui you love will be thriving for your kids & their kids too! Check back often for updated information on projects and community opportunities. This site is managed by the West Maui Watershed & Coastal Management Coordinator who is contracted through the West Maui Soil and Water Conservation District working in support of the goals of the R2R.



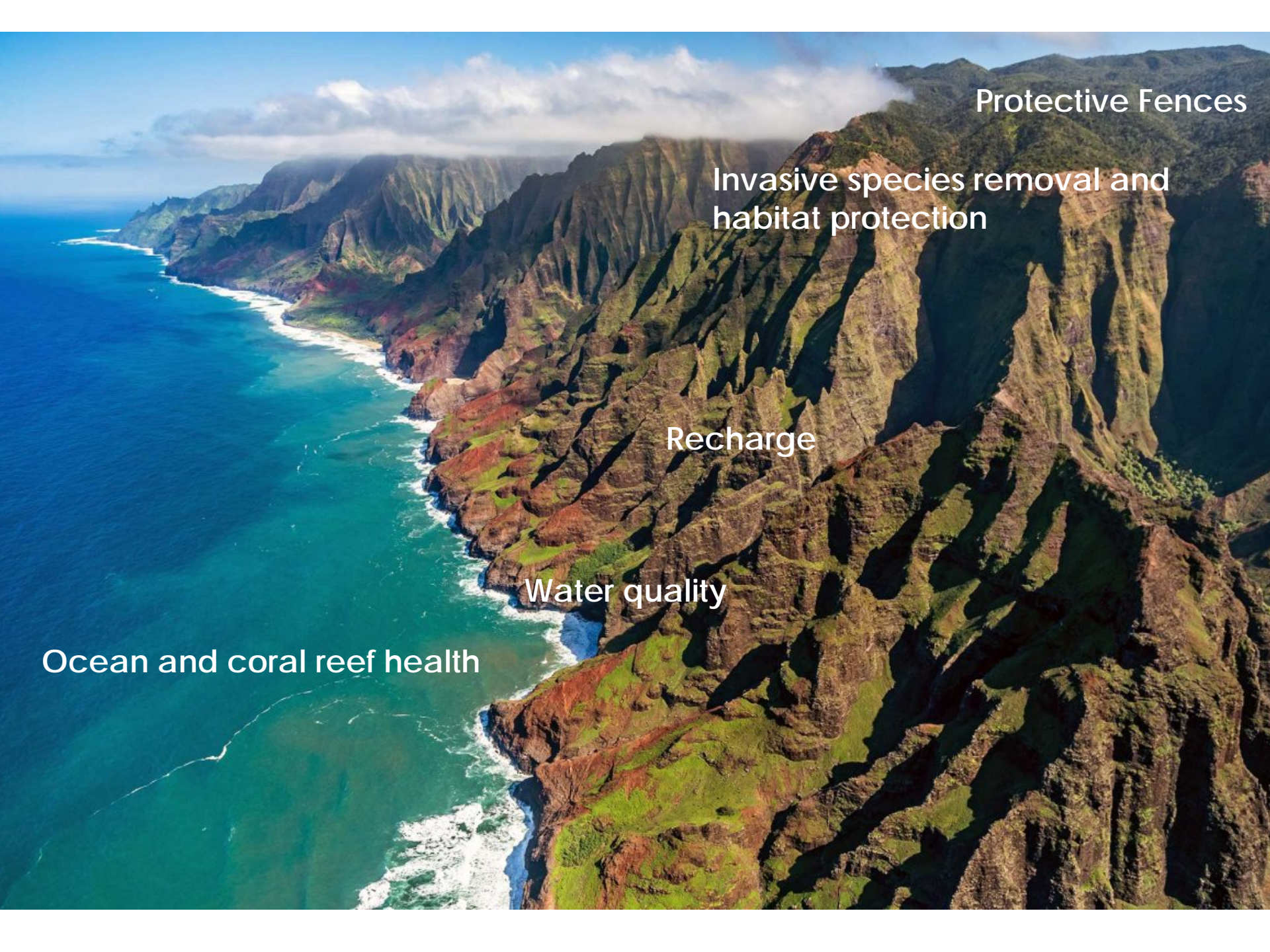






*Photo: Herb Coyle*





Protective Fences

Invasive species removal and  
habitat protection

Recharge

Water quality

Ocean and coral reef health









Photo: Nate Yuen

# Mahalo

Katie Ersbak  
DOFAW, Watershed Planner  
(808) 587-4189  
[Katie.C.Ersbak@Hawaii.gov](mailto:Katie.C.Ersbak@Hawaii.gov)