EACP Committee

From: Adam Radford <aradford@hawaii.edu>
Sent: Tuesday, February 26, 2019 9:17 AM

To: EACP Committee

Subject: Presentation for today's EACP meeting

Attachments: MISC County Presentation 25Feb2019.ppt; MoMISC meeting.pptx

Aloha,

Please find attached MISC and MoMISC's presentations for this afternoon. Please let me know if you need anything more.

All the best,

Adam

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University of Hawai'i at Mānoa

Office of Research Services (ORS)

Provides grants management for extramural funded activities UH Mānoa College of Natural Sciences,
Department of Botany
Pacific Cooperative Studies Unit (PCSU)

Provides guidance and administrative support for projects

Research Corporation of the University of Hawai'i (RCUH)

Provides financial and human resources services





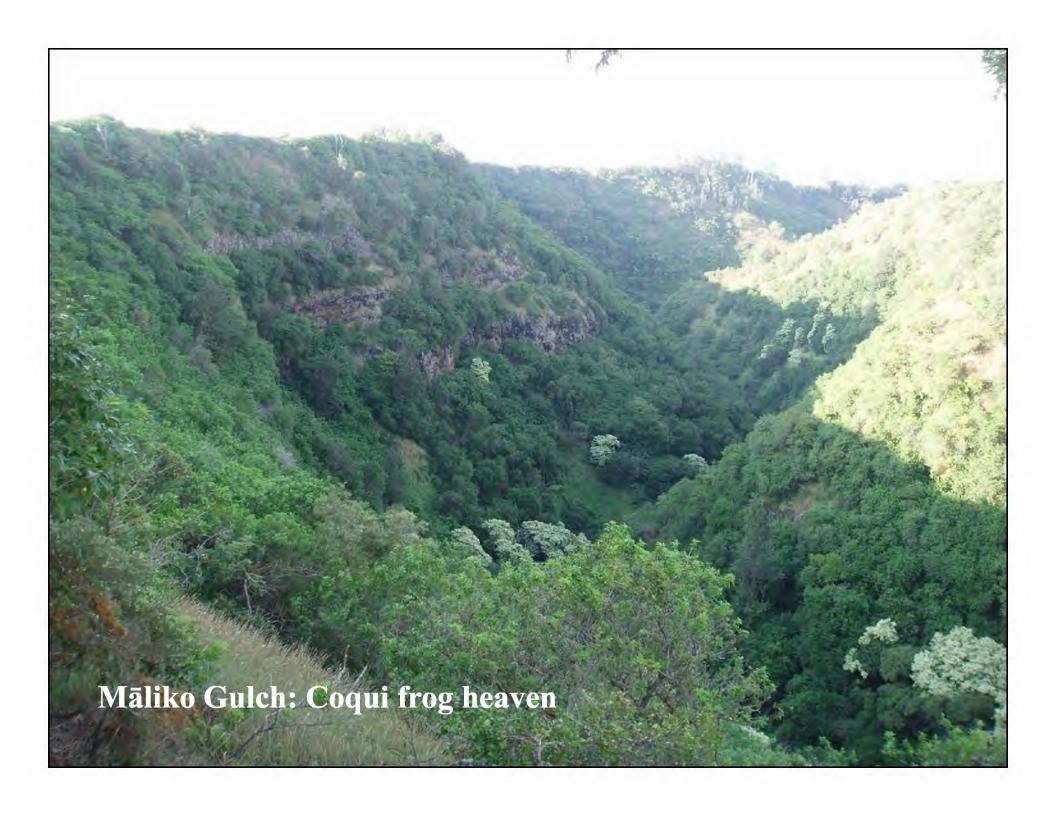
Provides fiscal and administrative oversight for MoMISC

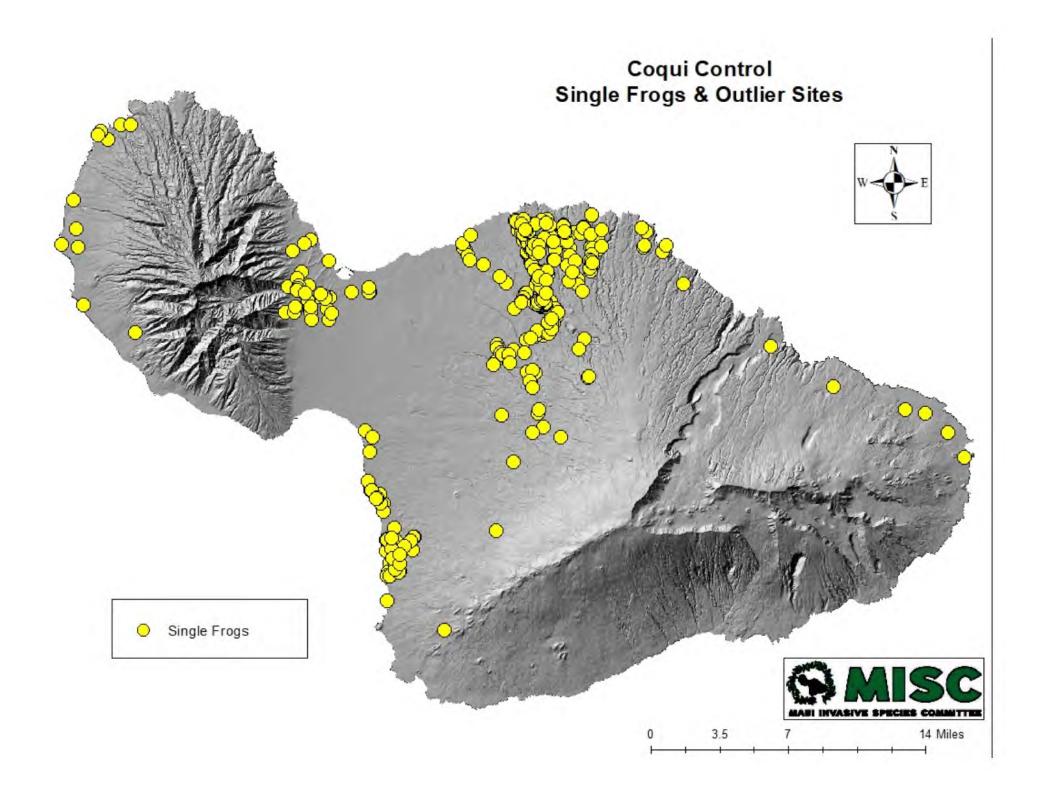
Staff Structure

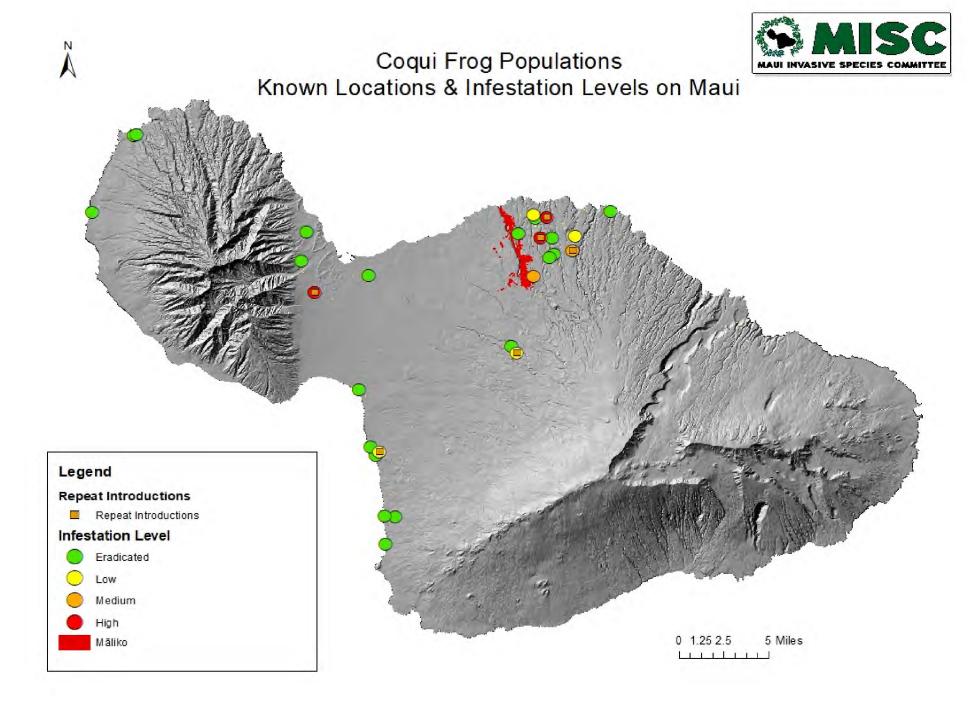
- Management/administrative staff to field staff
- All staff participate in field operations
- As the program has grown the focus has always been on adding field staff
- Over a time period of 18+ years, the combined MISC/MoMISC program
 has added the equivalent of 1 FTE (several part-time and/or intermittent
 positions) for management/administration, and approximately 19 FTE
 for field operations (includes additional .45 FTE for outreach &

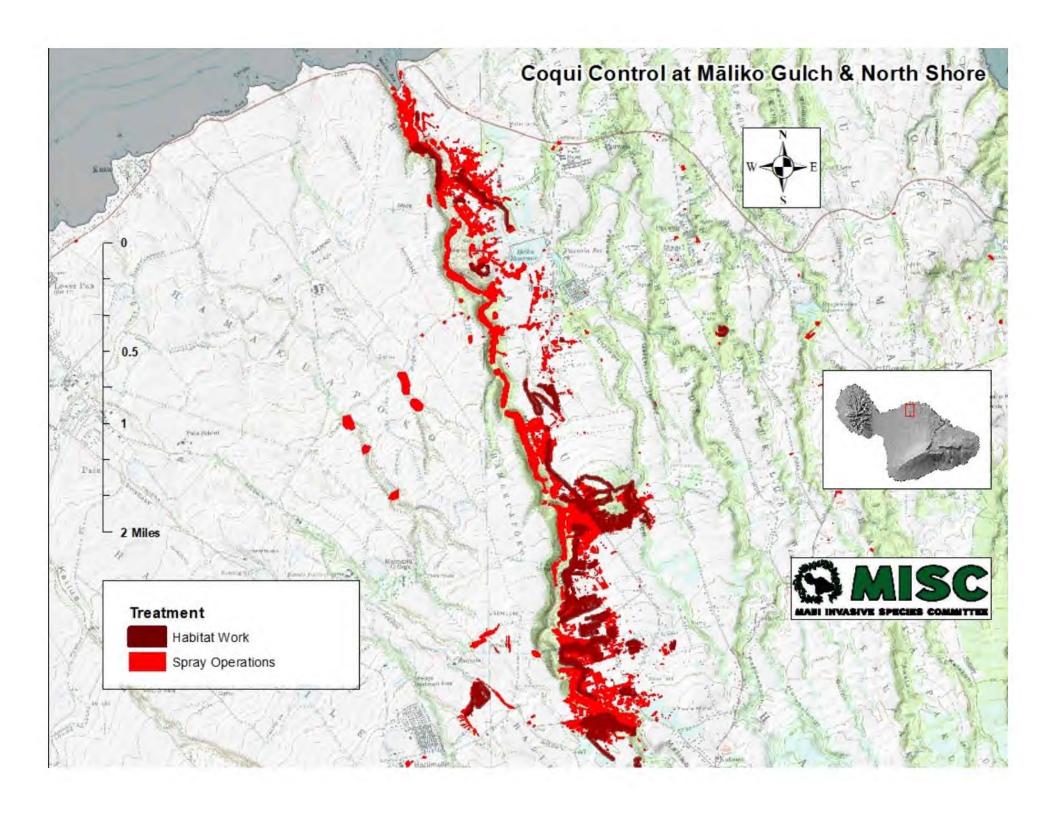
education)

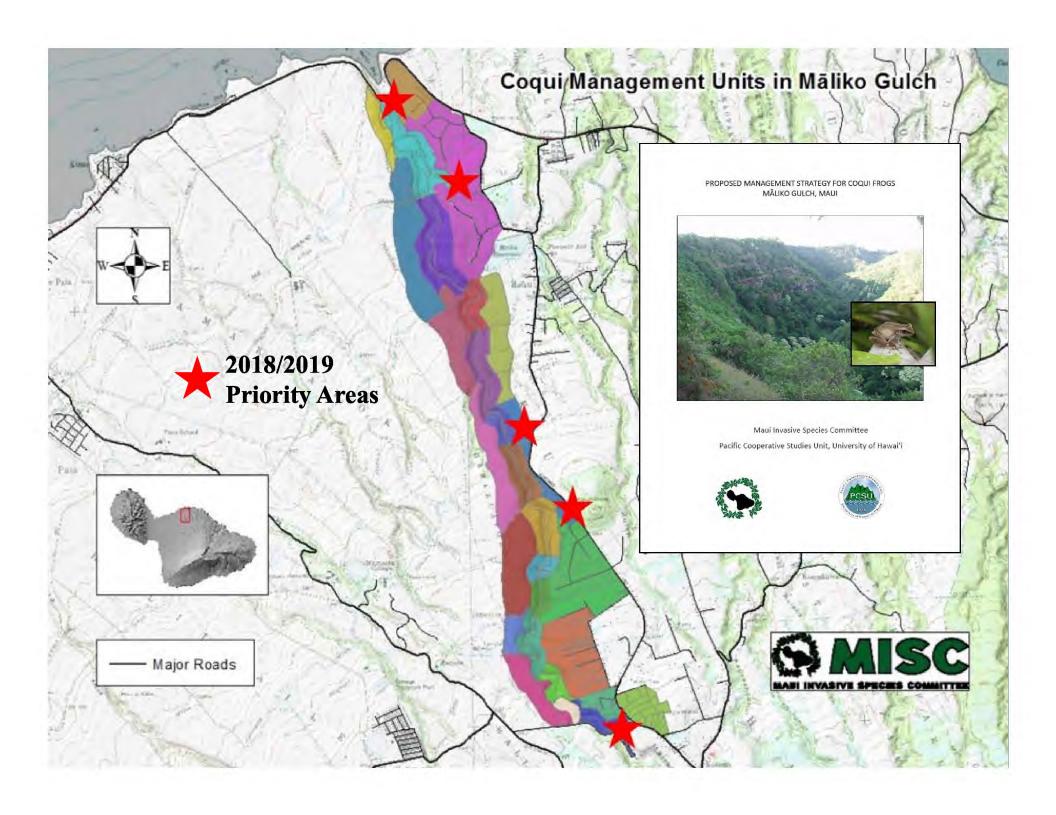












Team Structure

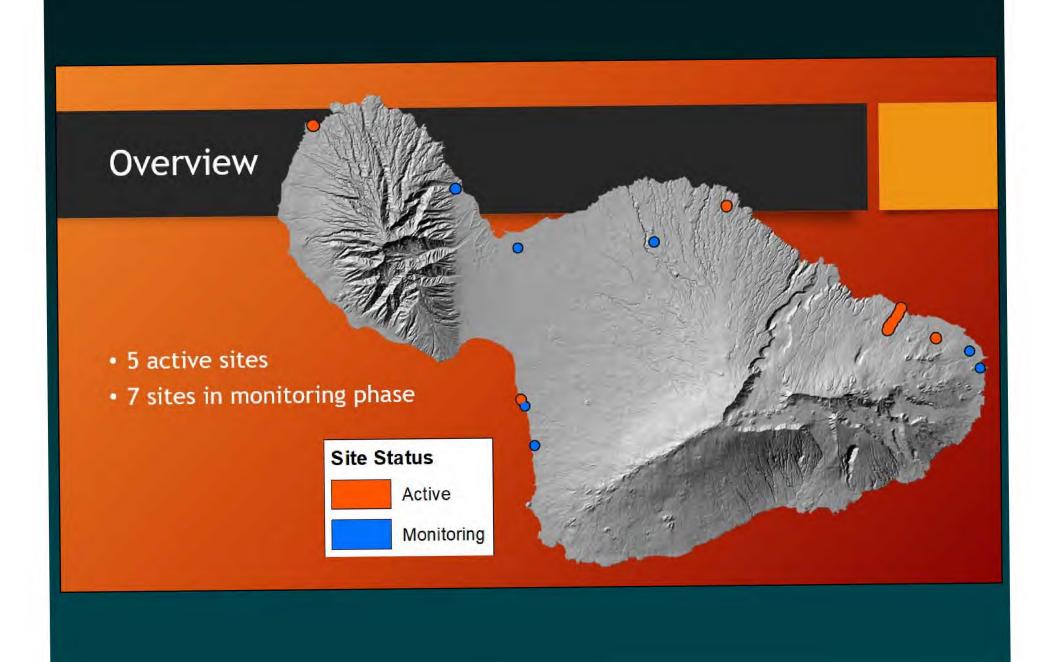
- Team One: Moves through management units on a fixed schedule
- Team Two: Responds to new reports, puts out fires as needed, and mops up behind Team One
- Team Three: Removes frog-friendly habitat, maintains areas where work has already occurred, and keeps equipment running



Strategy Summary

- *For next year*: Expand control efforts in and around Māliko, develop necessary infrastructure, support community-based efforts, and reduce infestation levels.
- Next 5+ years: Maintain expanded level of effort in and around Māliko, ultimately ensuring a coqui-free Maui. Eradicate coqui from all other known sites. Reduce the frequency of coqui introductions to Maui.



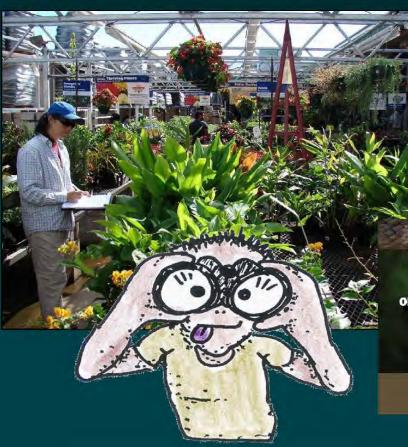




From 2012-2016 \$682K was invested in 100 miconia helicopter operations Removing 20,363 incipient plants Protecting 45,309 acres of precious watershed Avoiding \$384.2M in future management costs MICONIA CALVESCENS: MANAGEMENT STRATEGY ON MAUI The miconia management program focuses on mitigating imminent threats to the East Maui Watershed and preventing its re-establishment in the West Maui Watershed. Historically work in East Maui was guided by a management unit approach, which broke the entire area of potential habitat into grids. Current effort is more targeted and relies on going back to places where plants have been found. The following shows historic management units (red and black lines) and targeted areas by color. 12.5 Miles

Early Detection & Working with the Public

- Early detection surveys
- Workshops & schools
- Informative guides
- mauiisc.org/momisc.org





If you see a snake:
SAFELY kill it,
SAFELY contain it,
or SAFELY stay near it until help arrives.

Report all Snake Sightings!!!

Snake Sightings & Reports on Maui call: HDOA office:

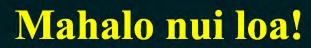
873-3962 from 7:45am to 4:30pm 872-3848 from 4:30pm to 10:00pm After 10pm, on holidays, weekends, & furlough days:

Maui Police Department * 244-6400 (non-emergency)

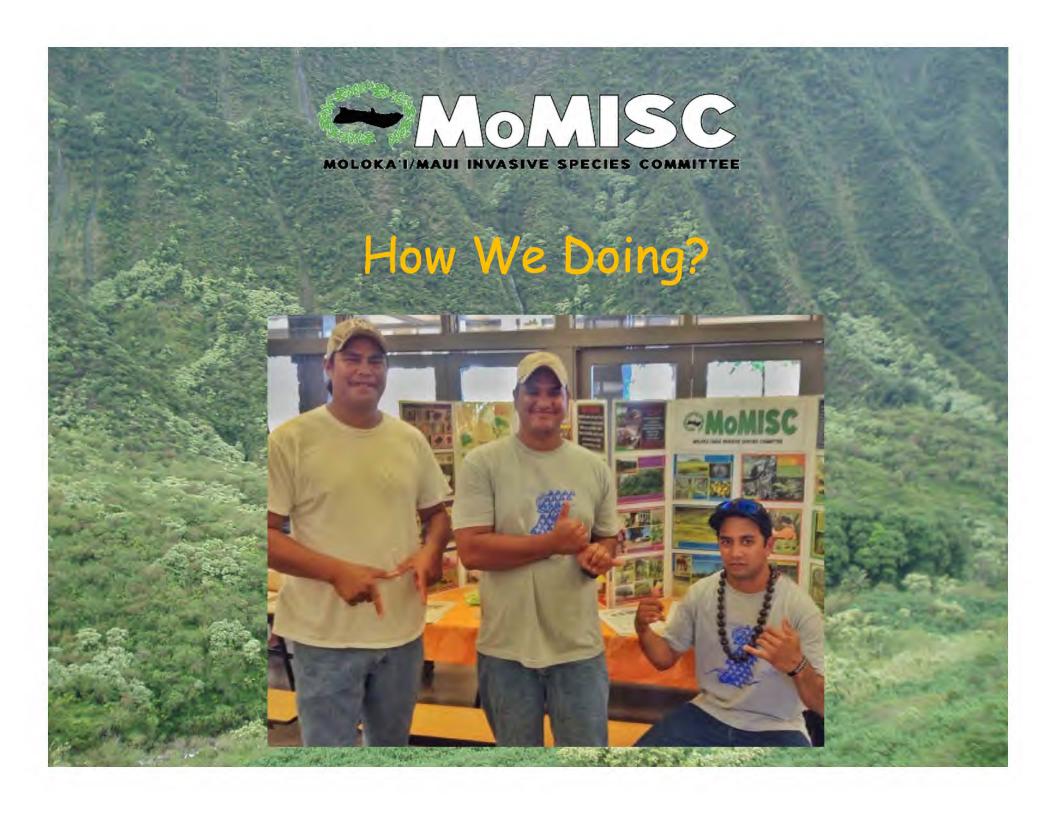
*MPD will contact the Snake Response Team

MISC & MoMISC are projects of the Pacific Cooperative Studies Unit – University of Hawai'i













MoMISC Priority Species





















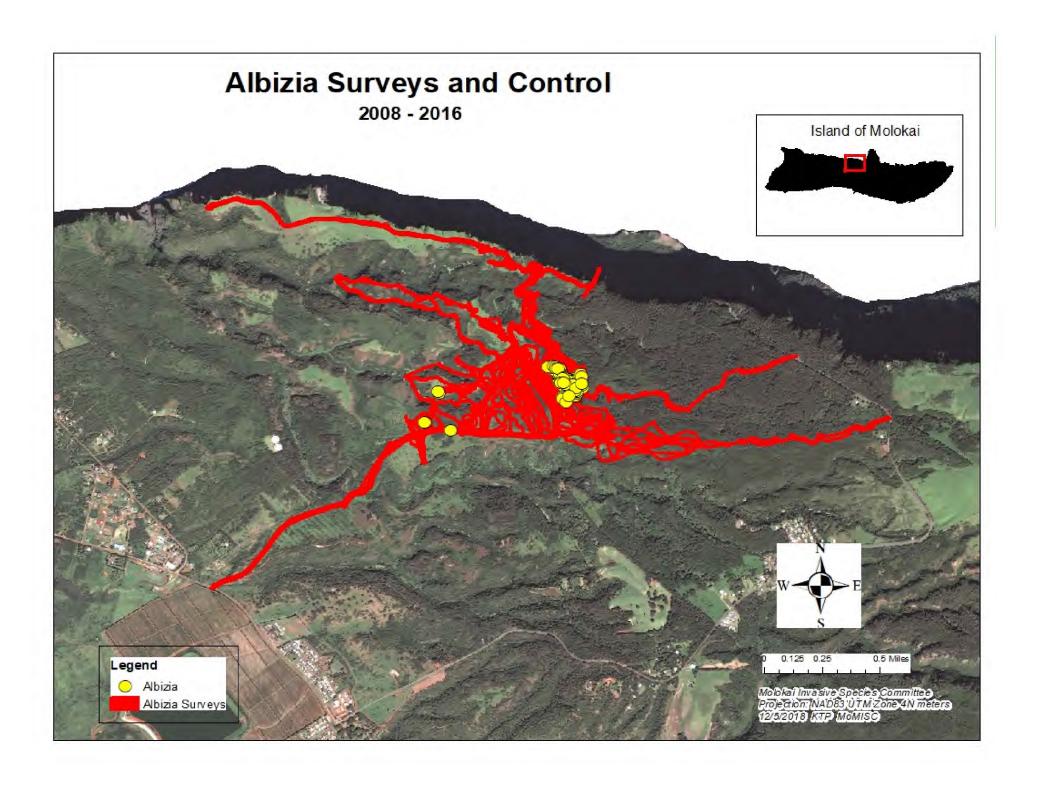
Top Row (L to R): Long Thorn Kiawe, Bo Tree, Tree Daisy, Albizia, Banana Bunchy Top Virus

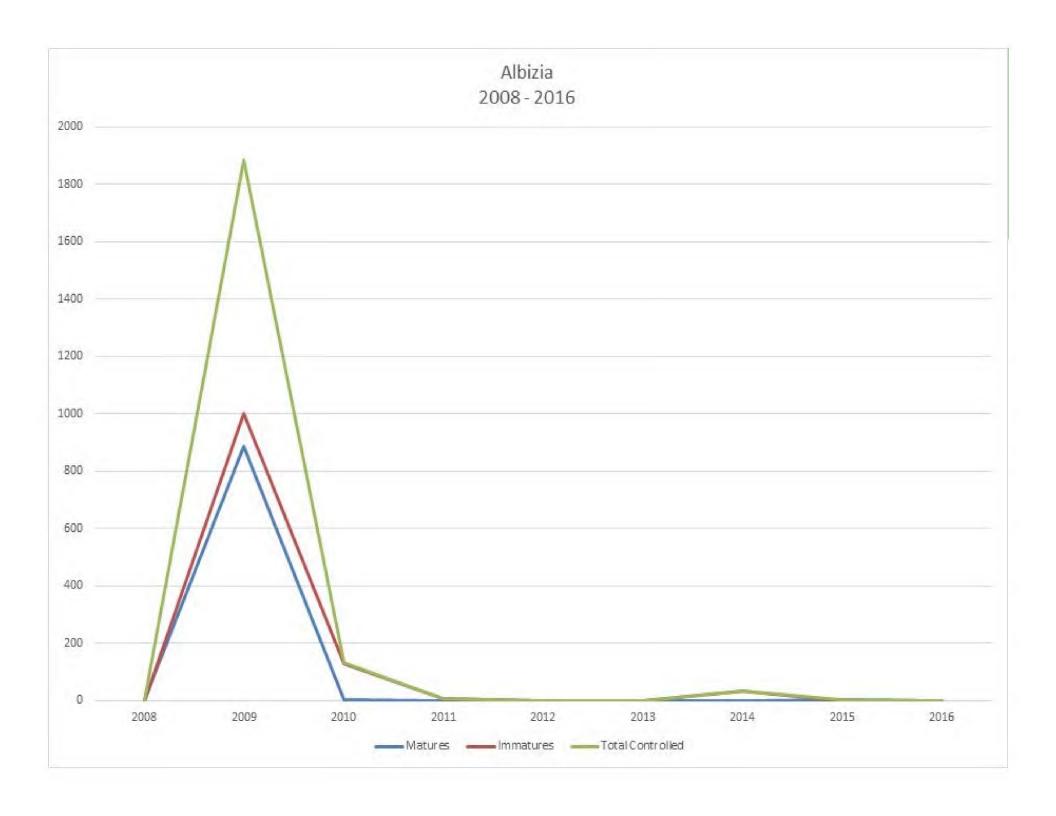
Second Row (L to R): New Zealand Flax, Quail Bush, Barbados Gooseberry, Tumbleweed

Third Row: Rubber Vine

Priority Species Meeting Goals?

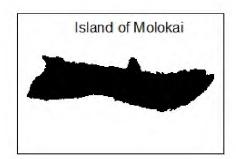
- · Albizia
- · Bo Tree
- Gooseberry
- Long Thorn Kiawe
- New Zealand Flax
- Quailbush
- Rubber Vine
- Tree Daisy
- · Coqui

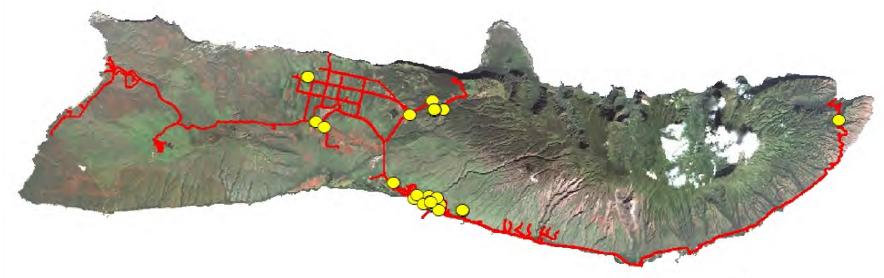




Bo Tree Surveys and Control

2008 - 2018



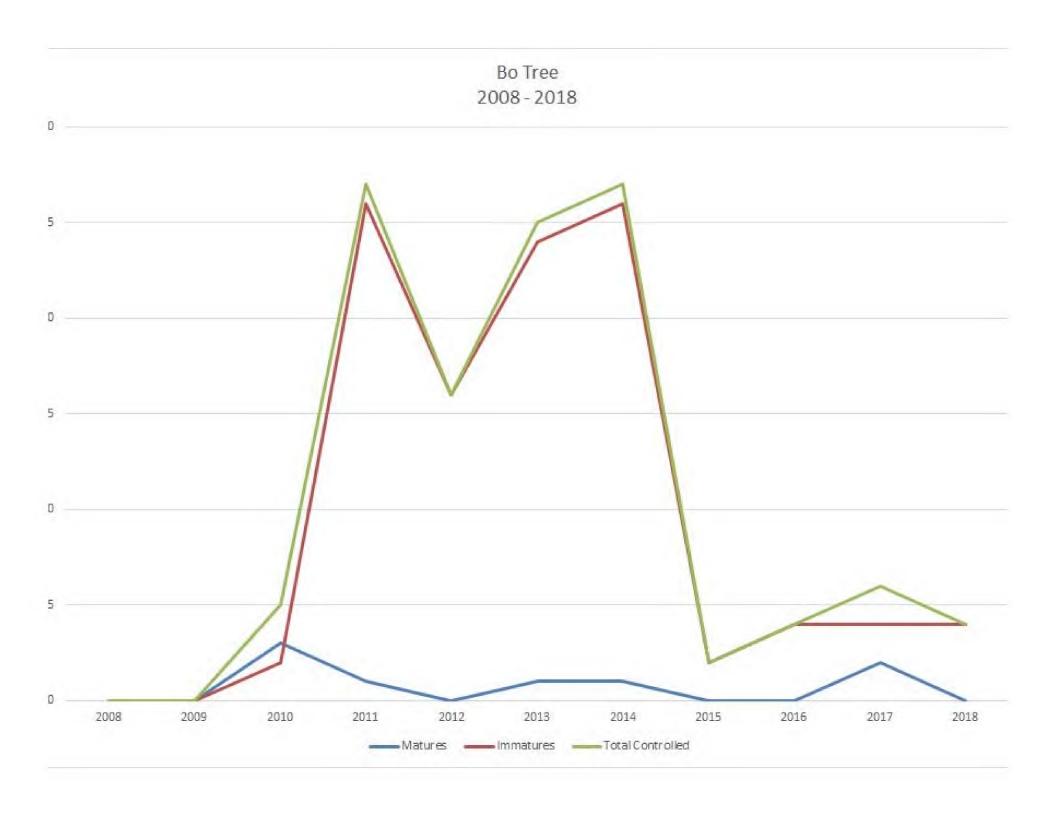


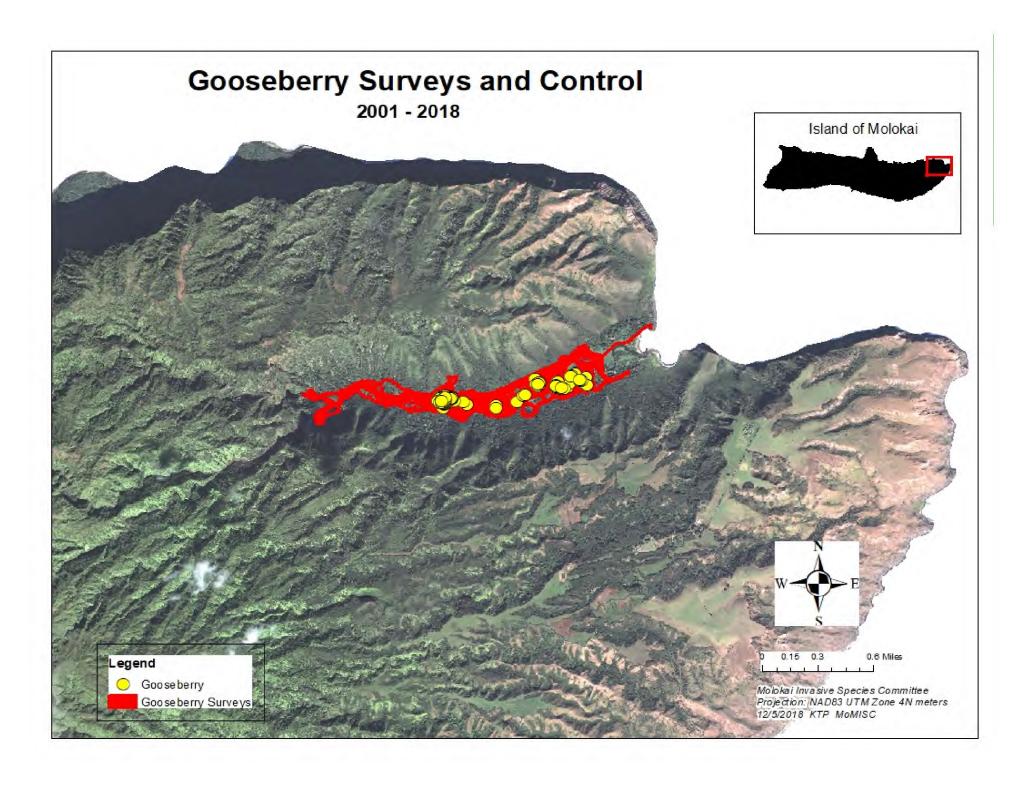


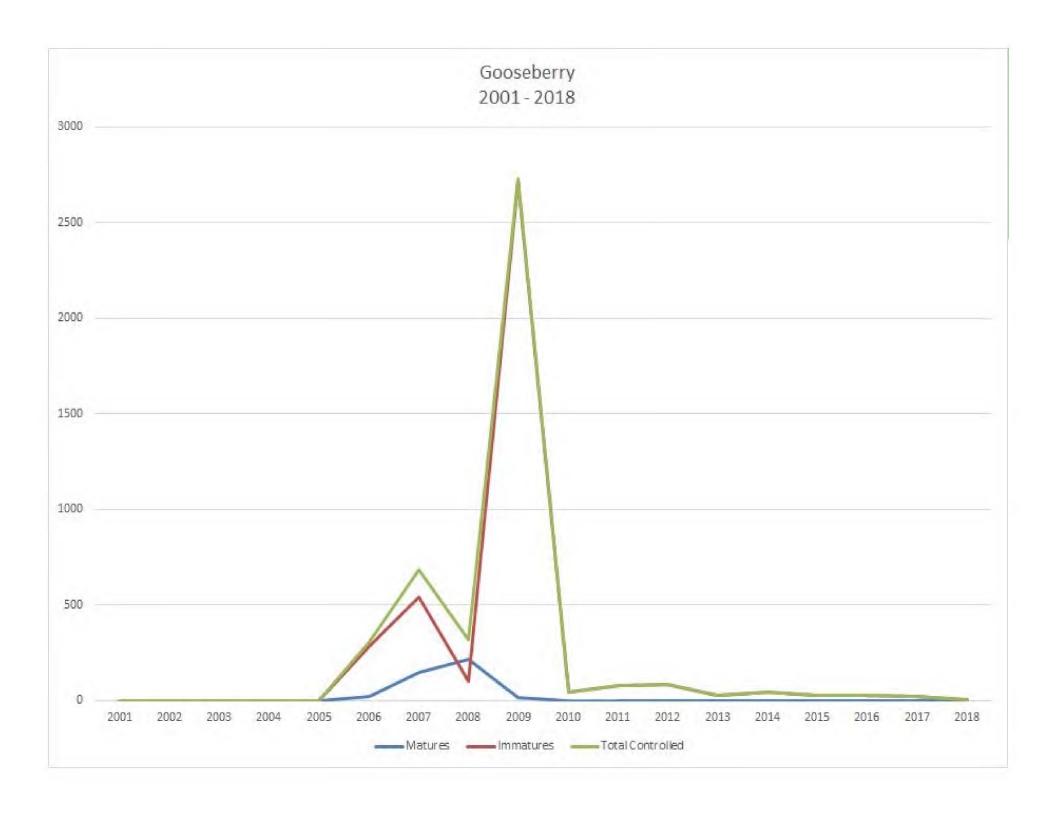


0 1.25 2.5 5 Miles

Molokai Invasive Species Committee Projection: NAD83 UTM Zone 4N meters 12/5/2018 KTP MoMISC



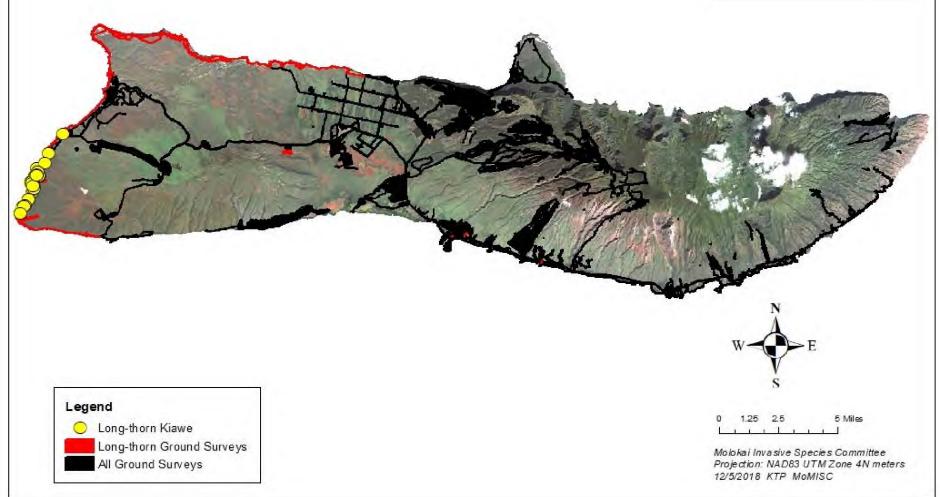


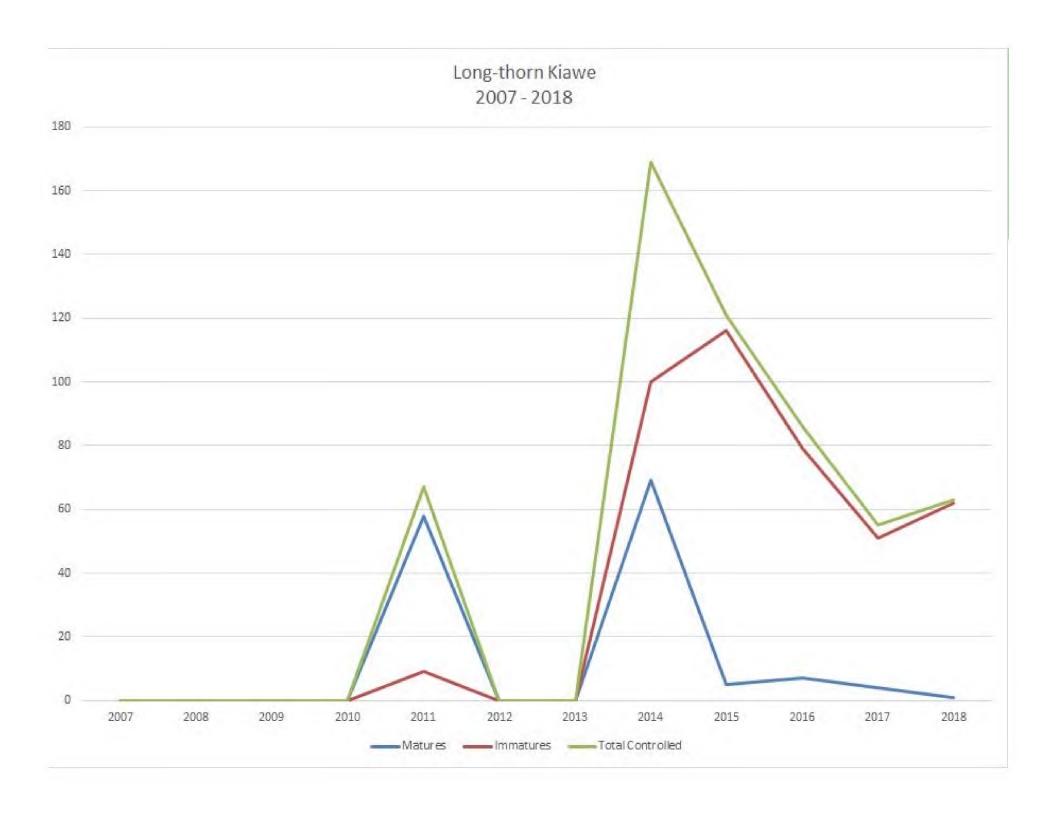


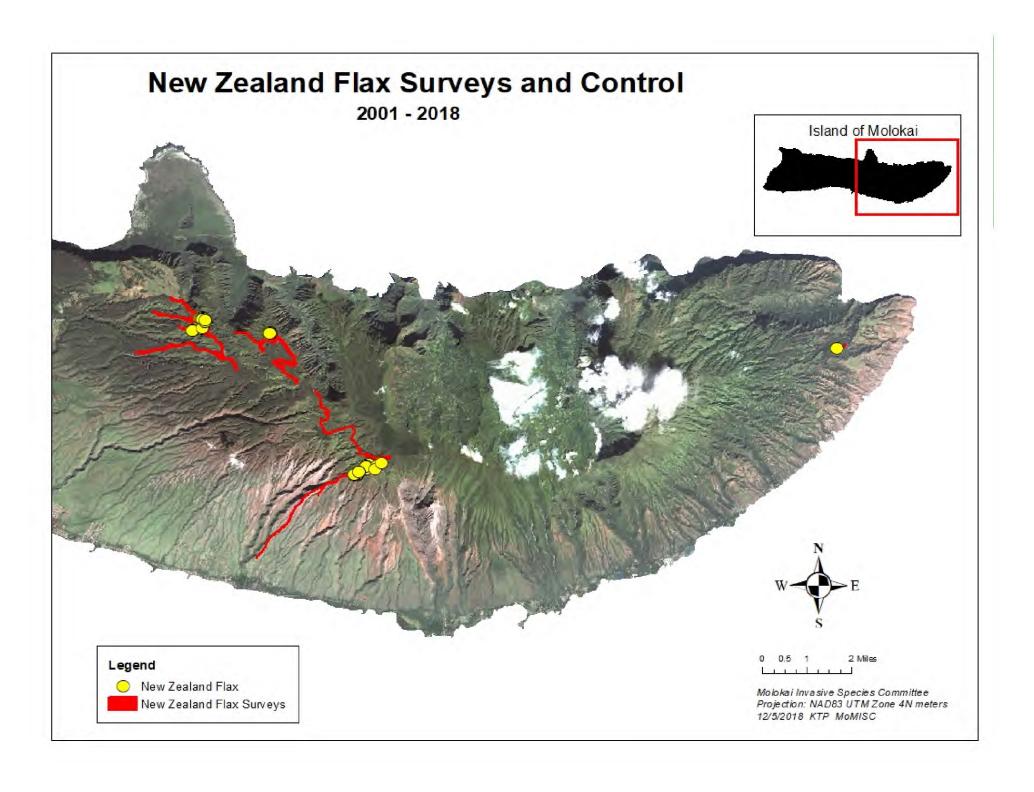
Long-thorn Kiawe Surveys and Control

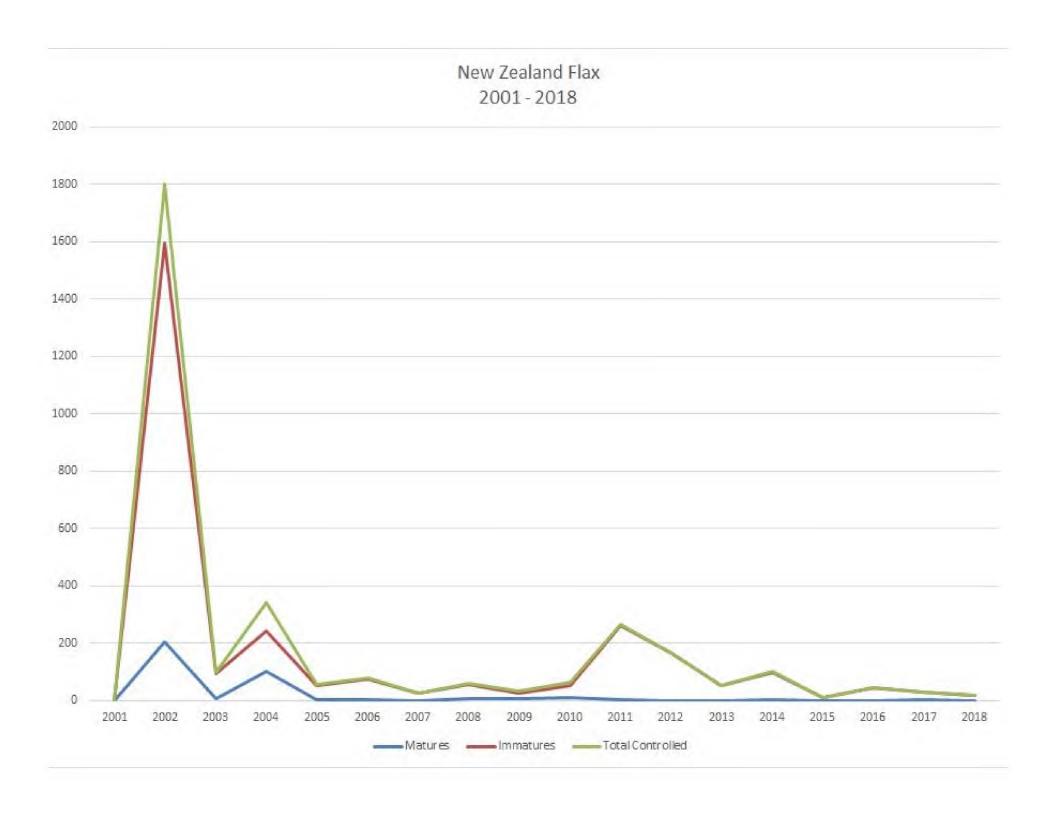
2007 - 2018

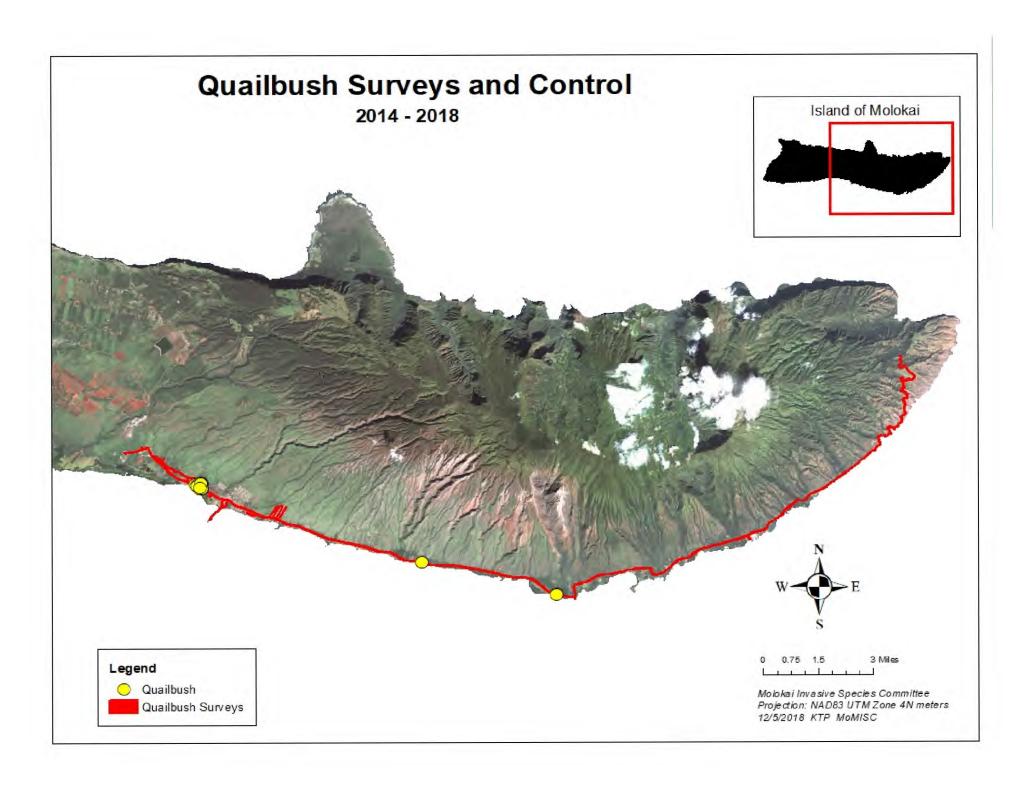


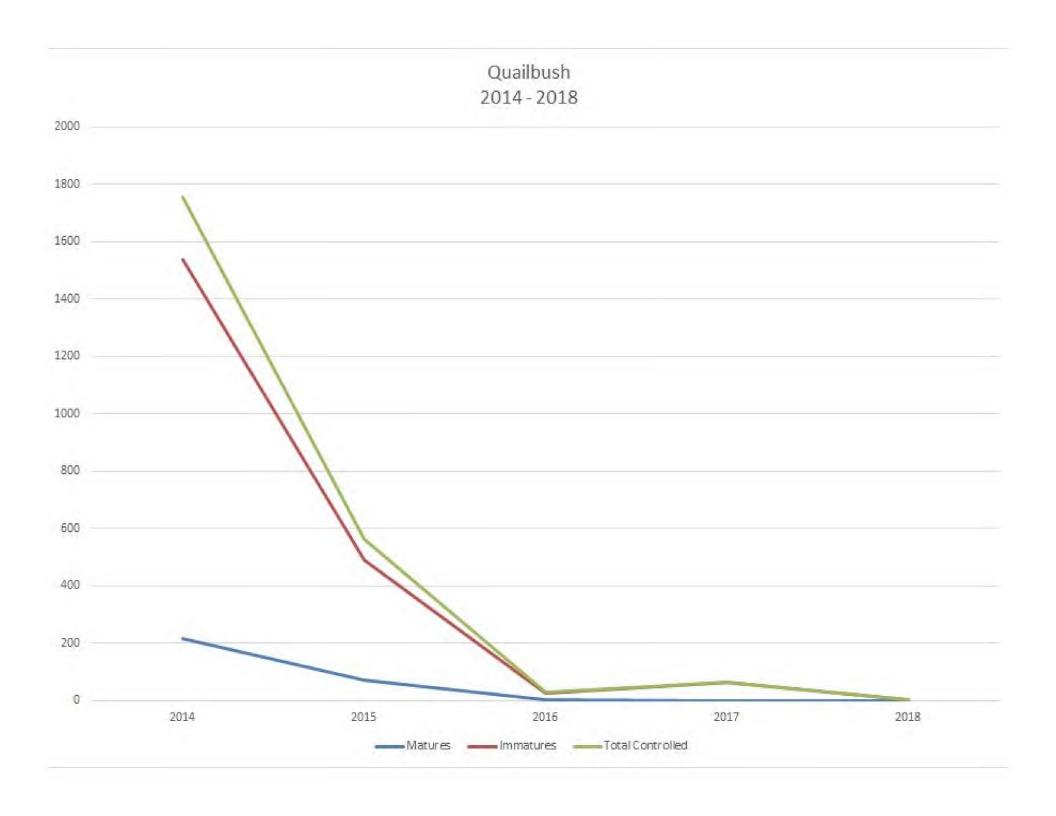






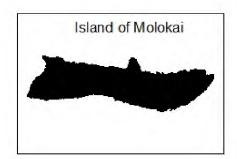


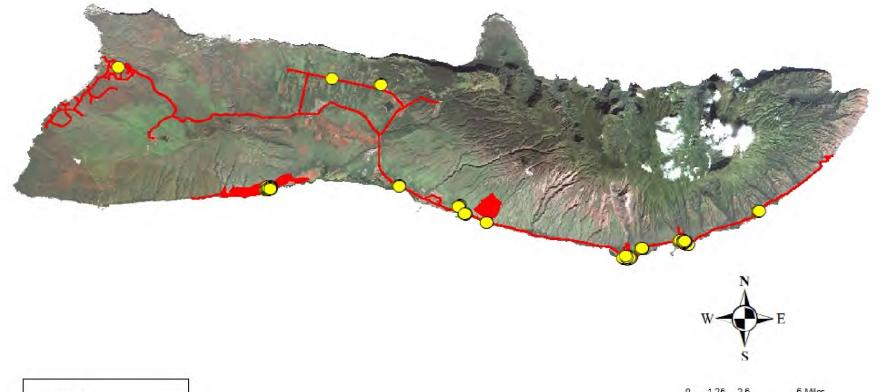


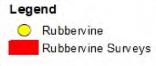


Rubbervine Surveys and Control

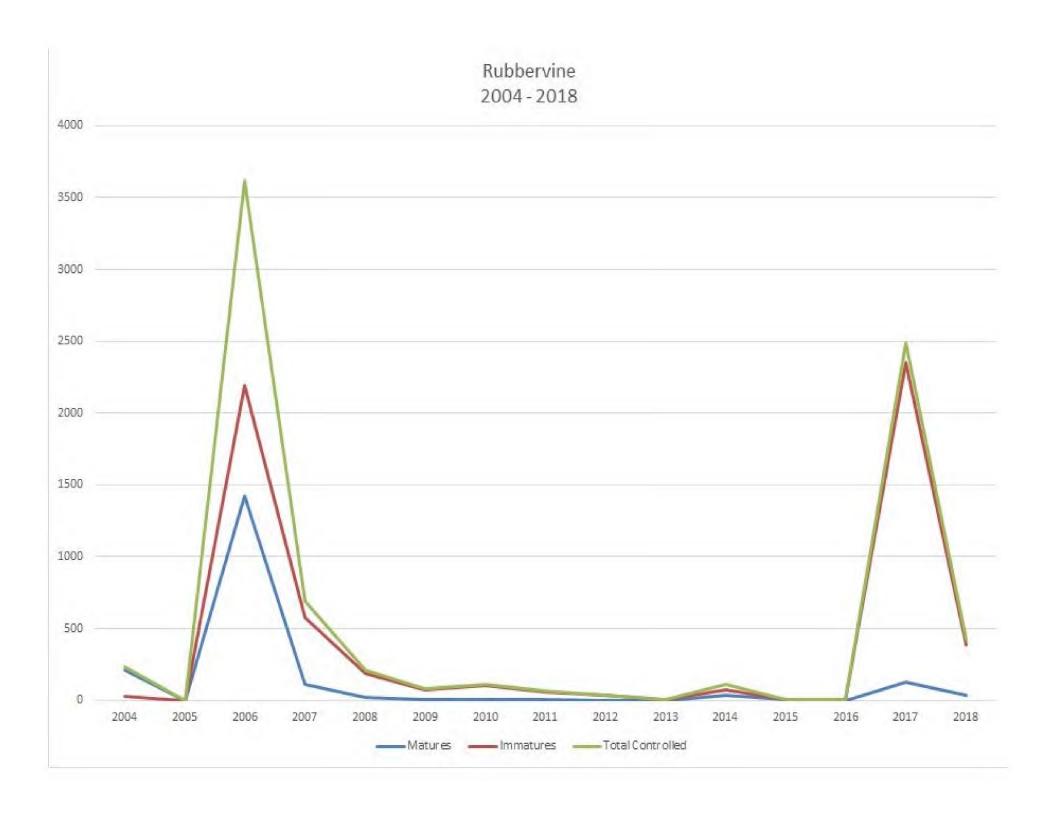
2004 - 2018

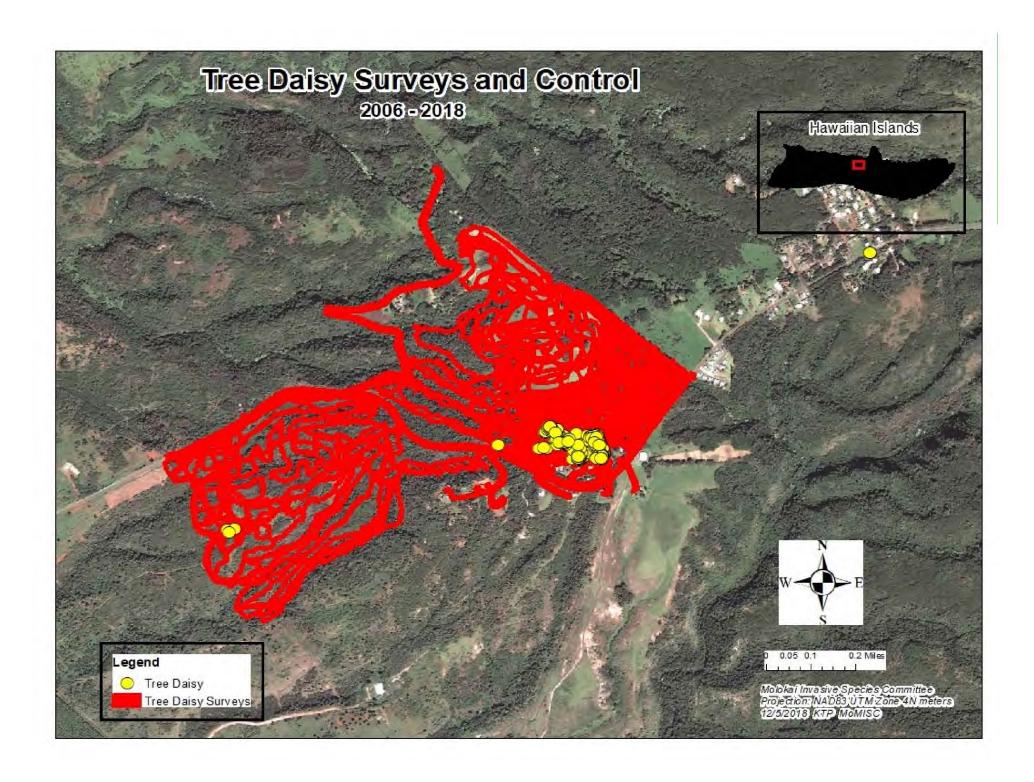


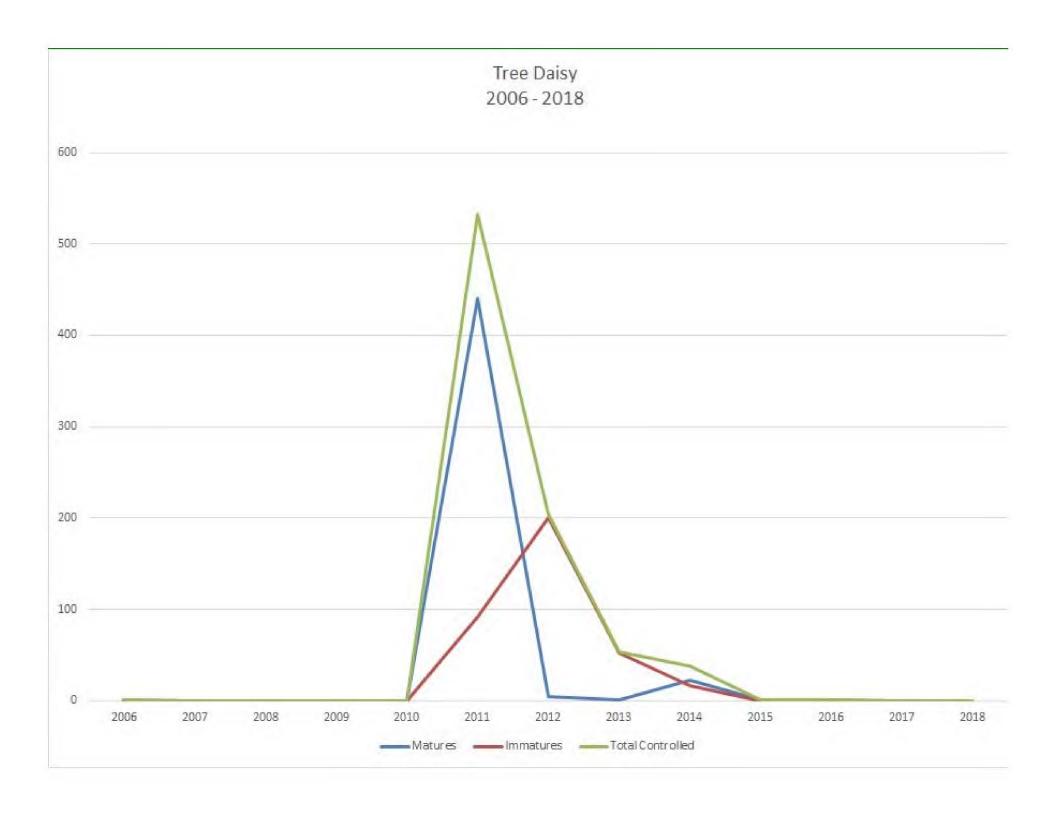




0 1.25 2.5 5 Miles

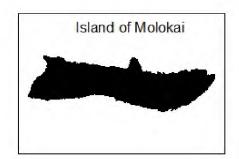


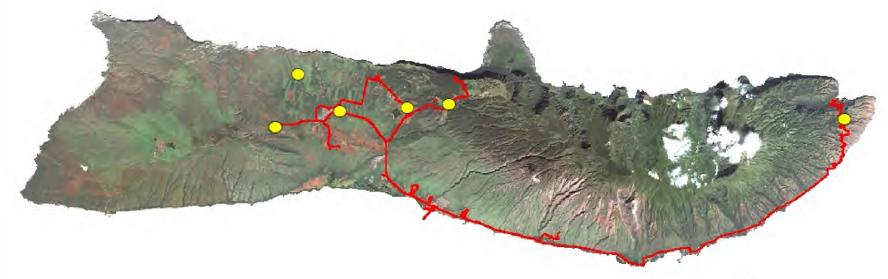




Coqui Surveys and Control

2008 - 2018

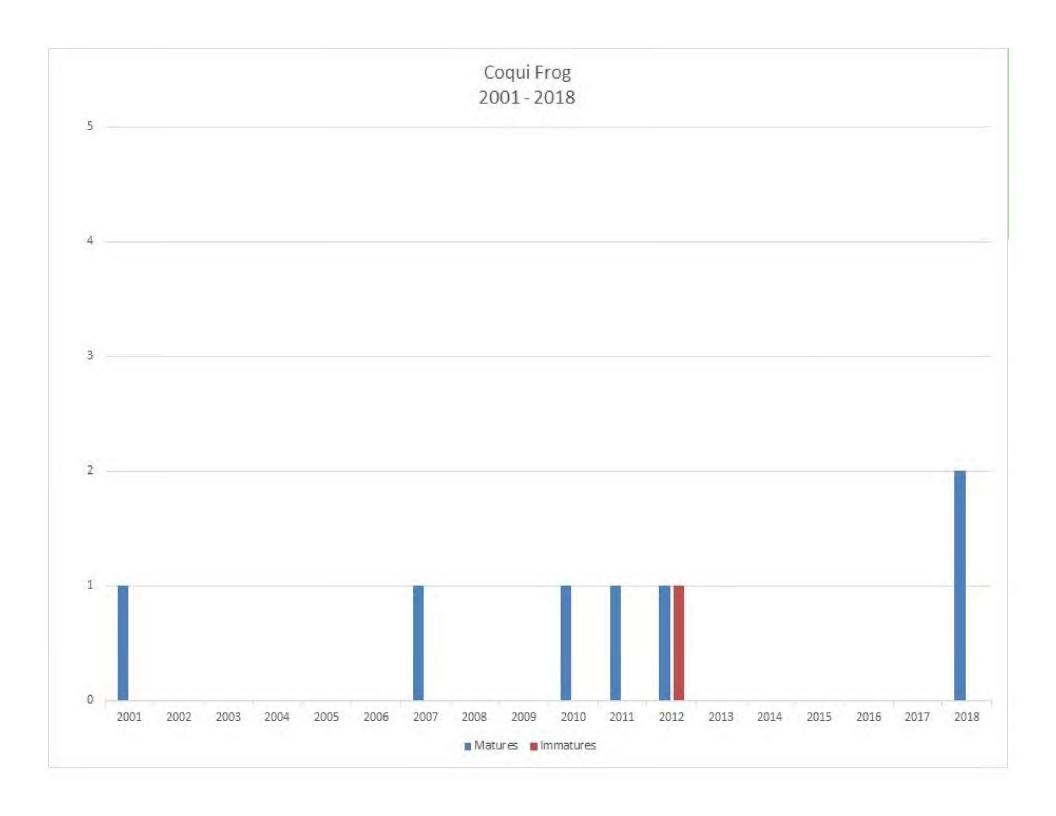








0 1.25 2.5 5 Miles



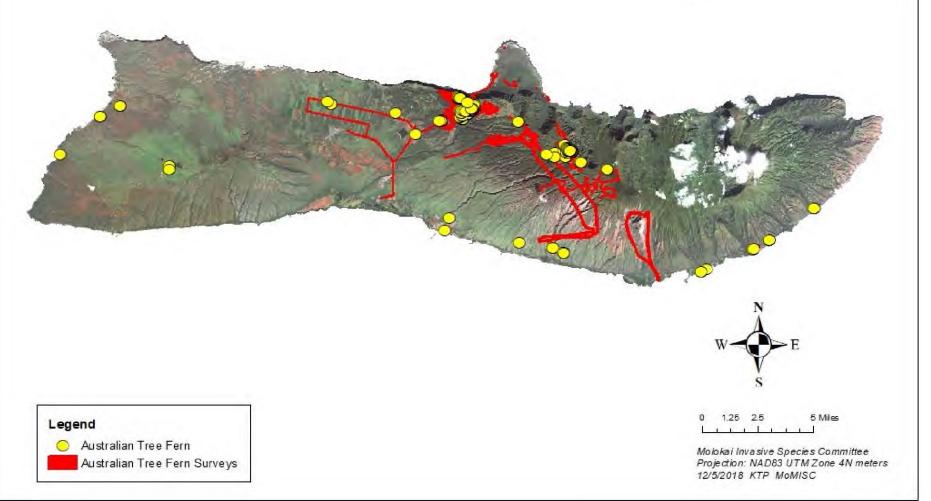
Concerns

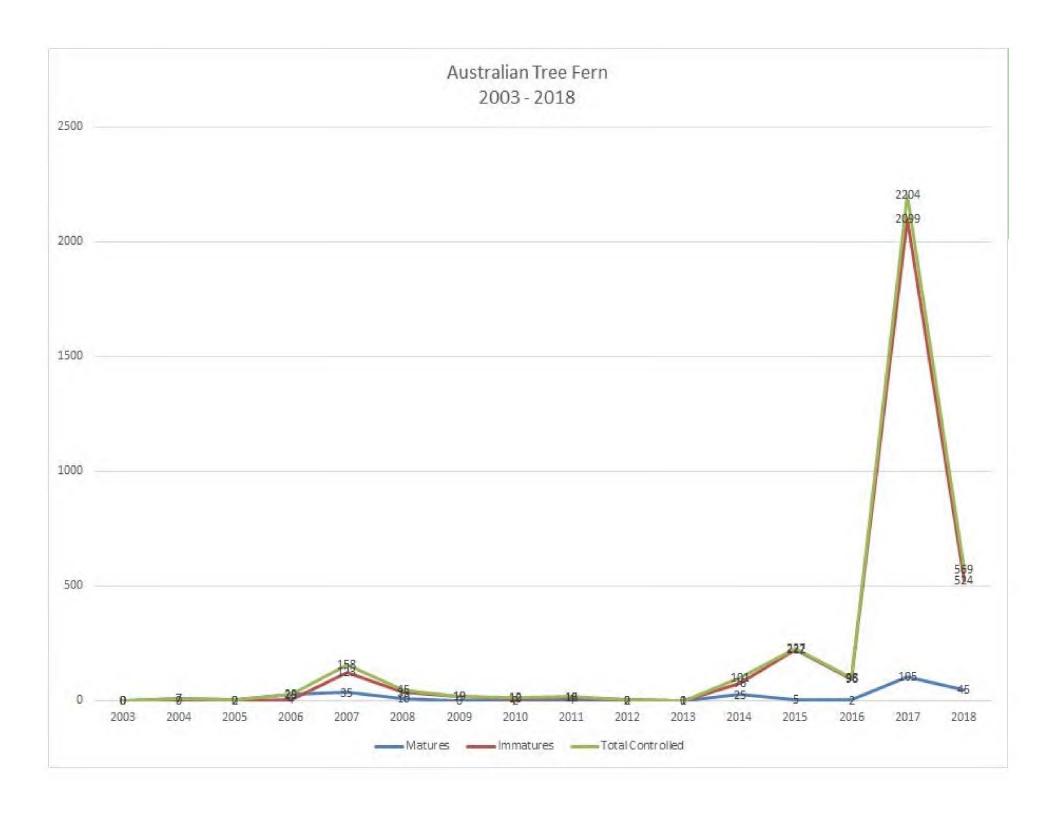
- · Australian Tree Fern
- Banana Bunchy Top
- · Fireweed
- Mules Foot Fern
- Tumbleweed

Australian Tree Fern Surveys and Control

2003 - 2018





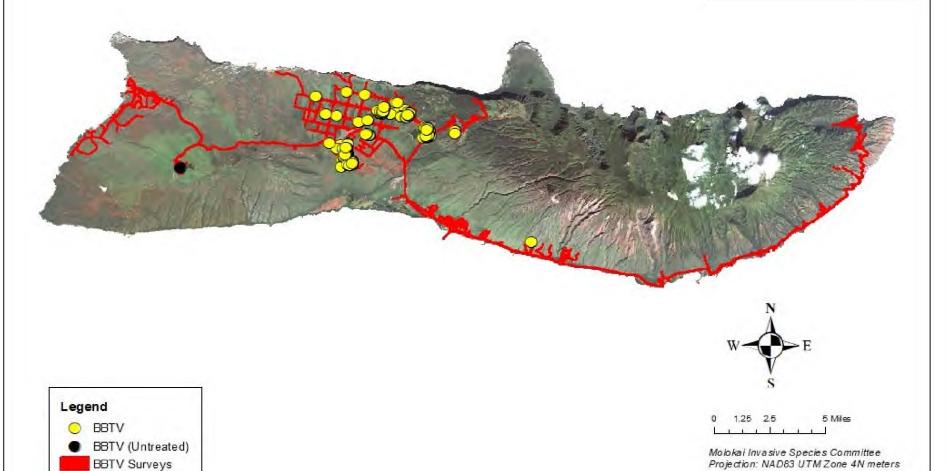


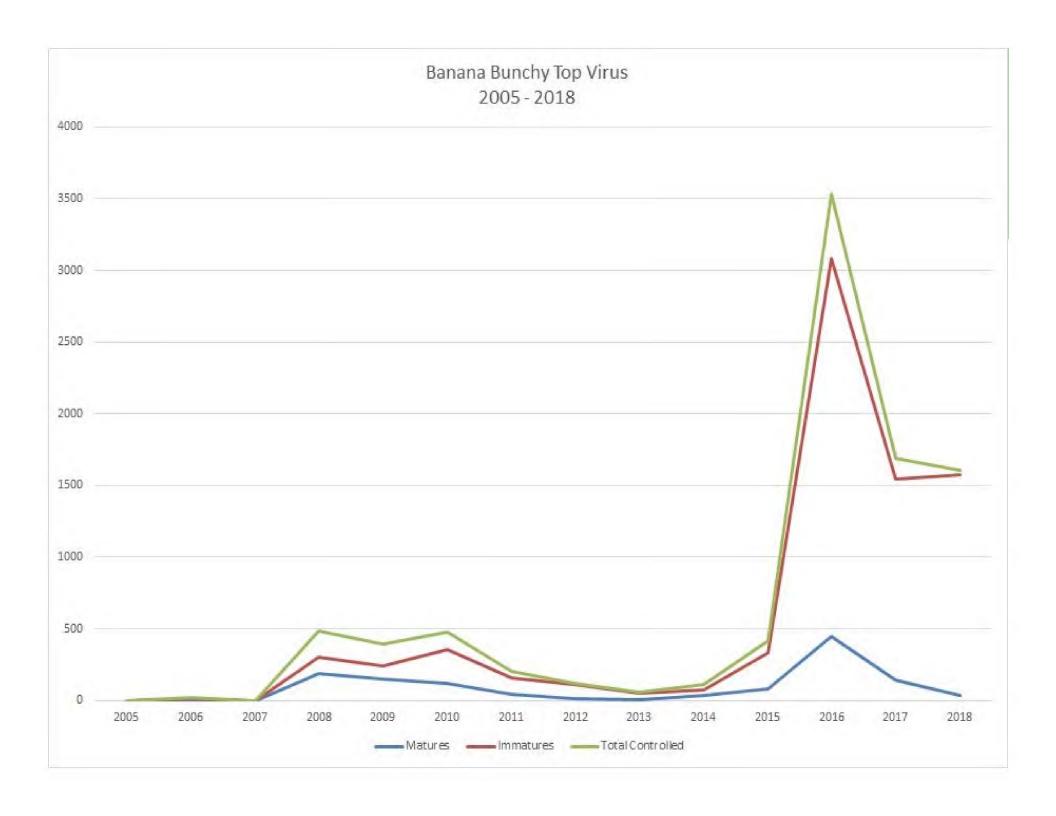
Banana Bunchy Top Virus Surveys and Control

2005 - 2018



12/5/2018 KTP MoMISC

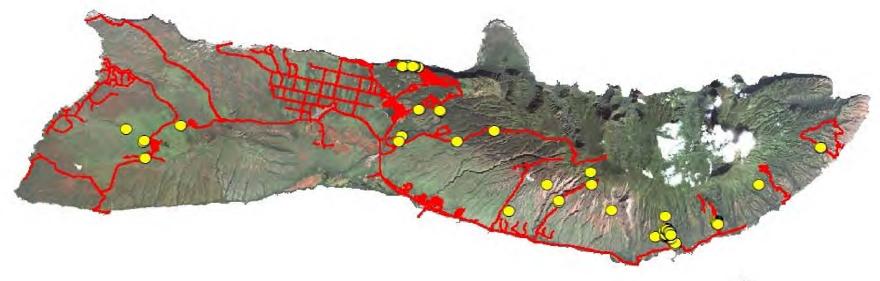




Fireweed Surveys and Control

2010 - 2018

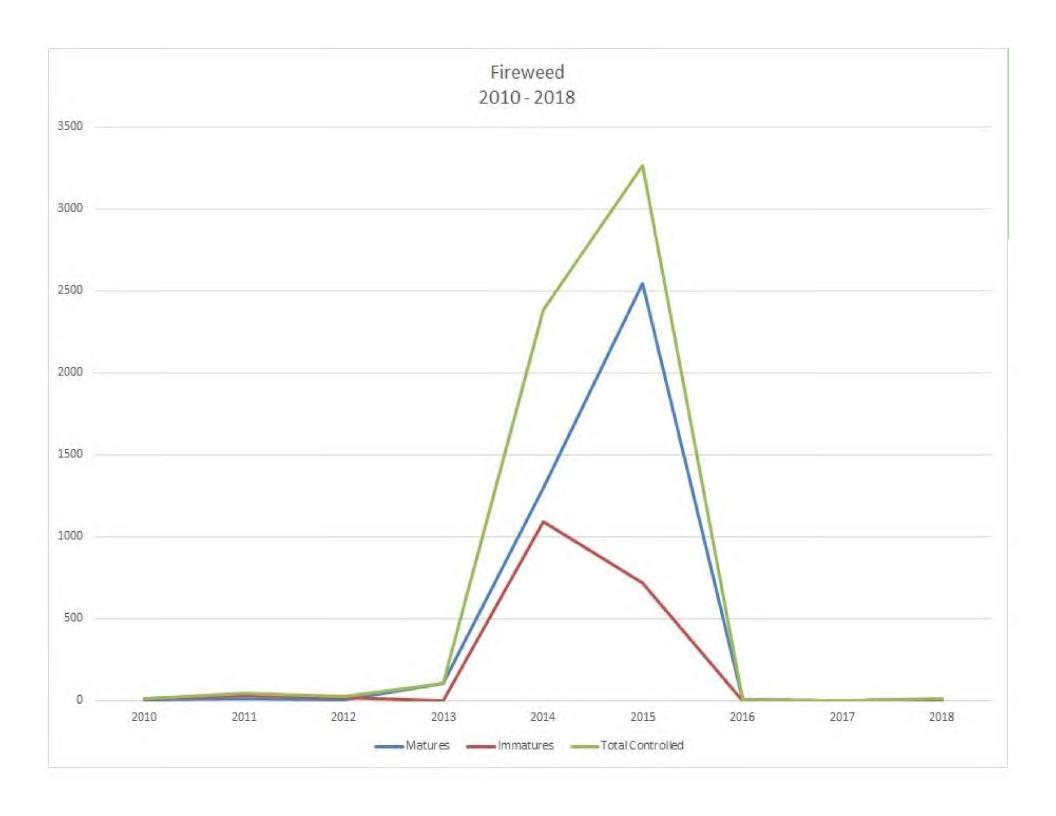








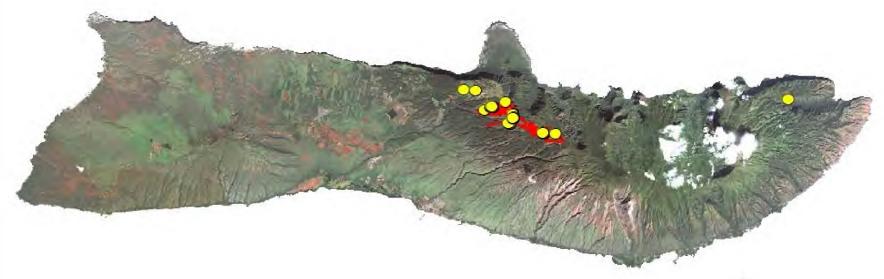
0 1.25 2.5 5 Miles



Mule's Foot Fern Surveys and Control

2007 - 2018

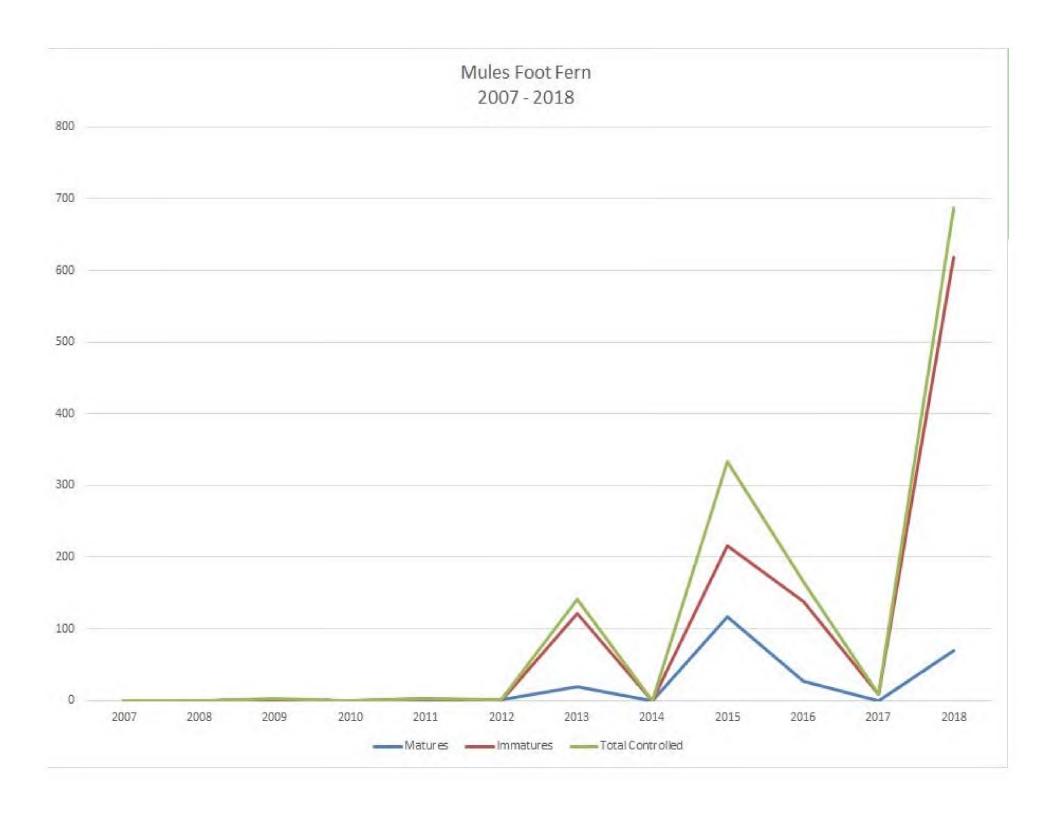


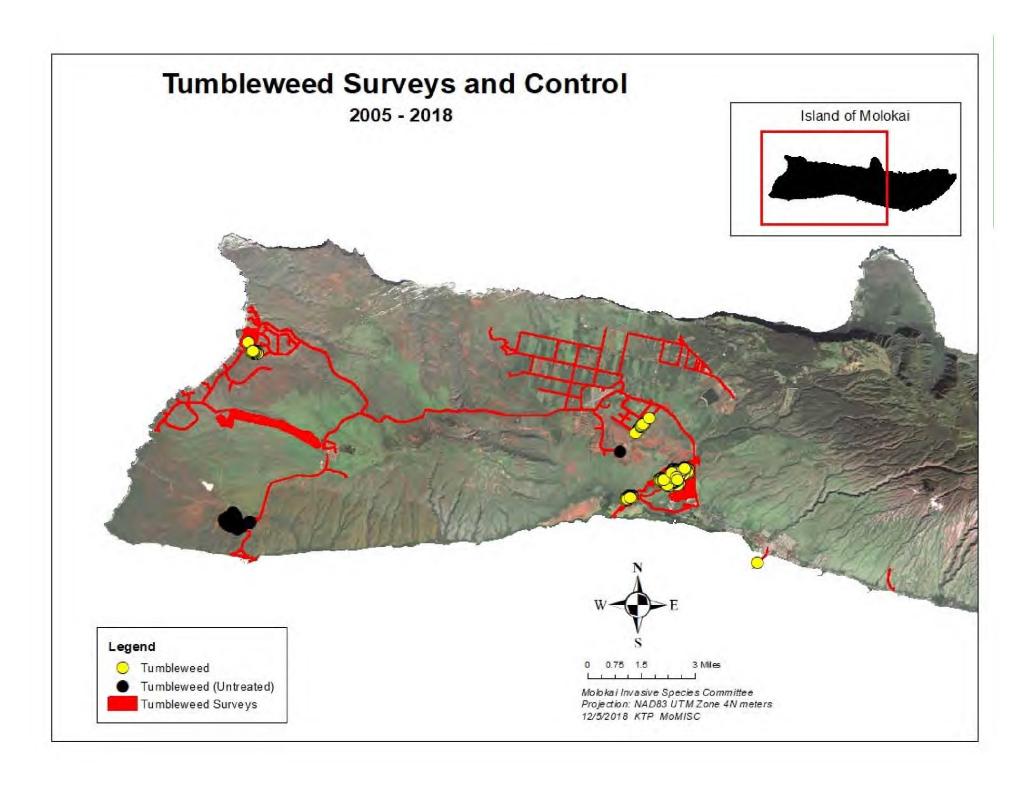


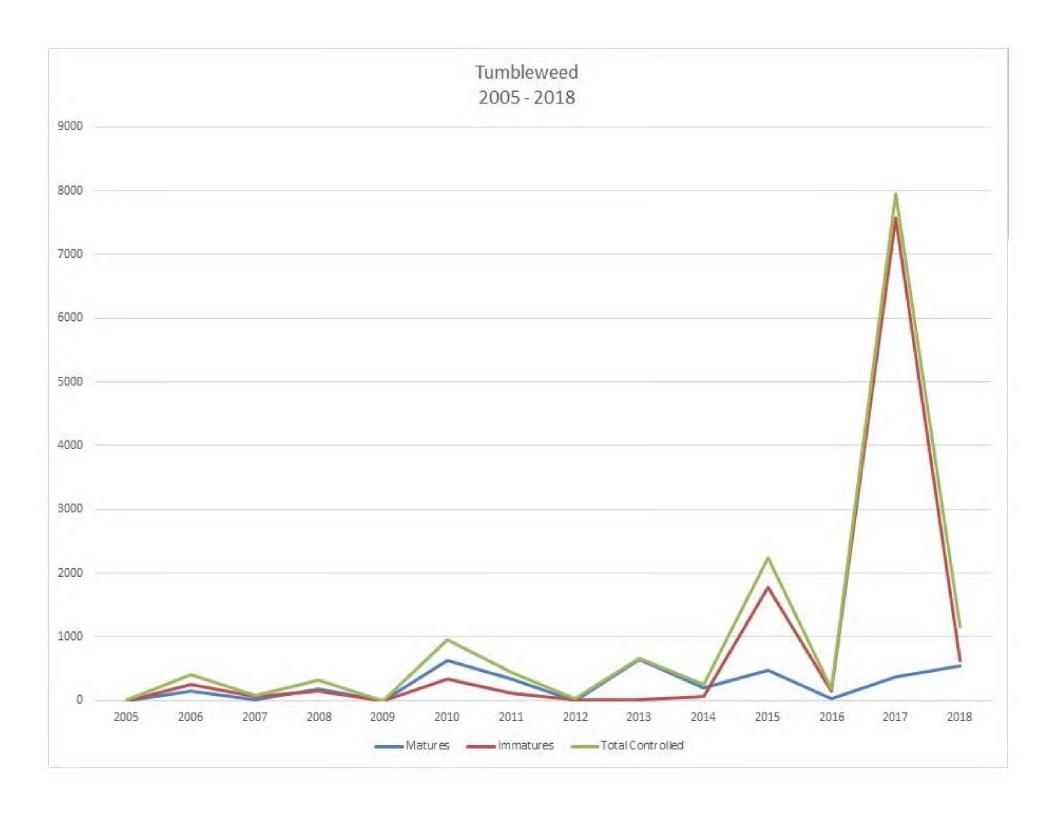




0 1.25 2.5 5 Miles







So What Now?

- Education/Outreach
- Prevention
- Early Detection
- ROD
- LFA
- CRB
- Bees
- Mosquitos
- Miconia
- Rabbits

- Red Vented Bulbul
- Ag Person
- Partners
- Interns
- Training
- Legislative
- Money
- Aerial Surveys
- BMP's Not Biosecurity
- Plant List

Mahalo

