

EACP Committee

From: Adam Radford <aradford@hawaii.edu>
Sent: Wednesday, March 11, 2020 12:18 PM
To: EACP Committee
Subject: EACP-17(2) Presentation for the 3/12 EACP Committee Meeting
Attachments: MISC - Environmental, Agricultural, and Cultural Preservation Committee Presentation 2020_Final.ppt

Aloha,

Please find attached MISC and MoMISC's presentation for tomorrow's 1:30 pm meeting of the EACP Committee. Please let us know if you need anything more. Thank you again for the opportunity to present.

All the best,

Adam

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Presentation to
Maui County Council's Environmental,
Agricultural, and Cultural Preservation
Committee



March 12, 2020

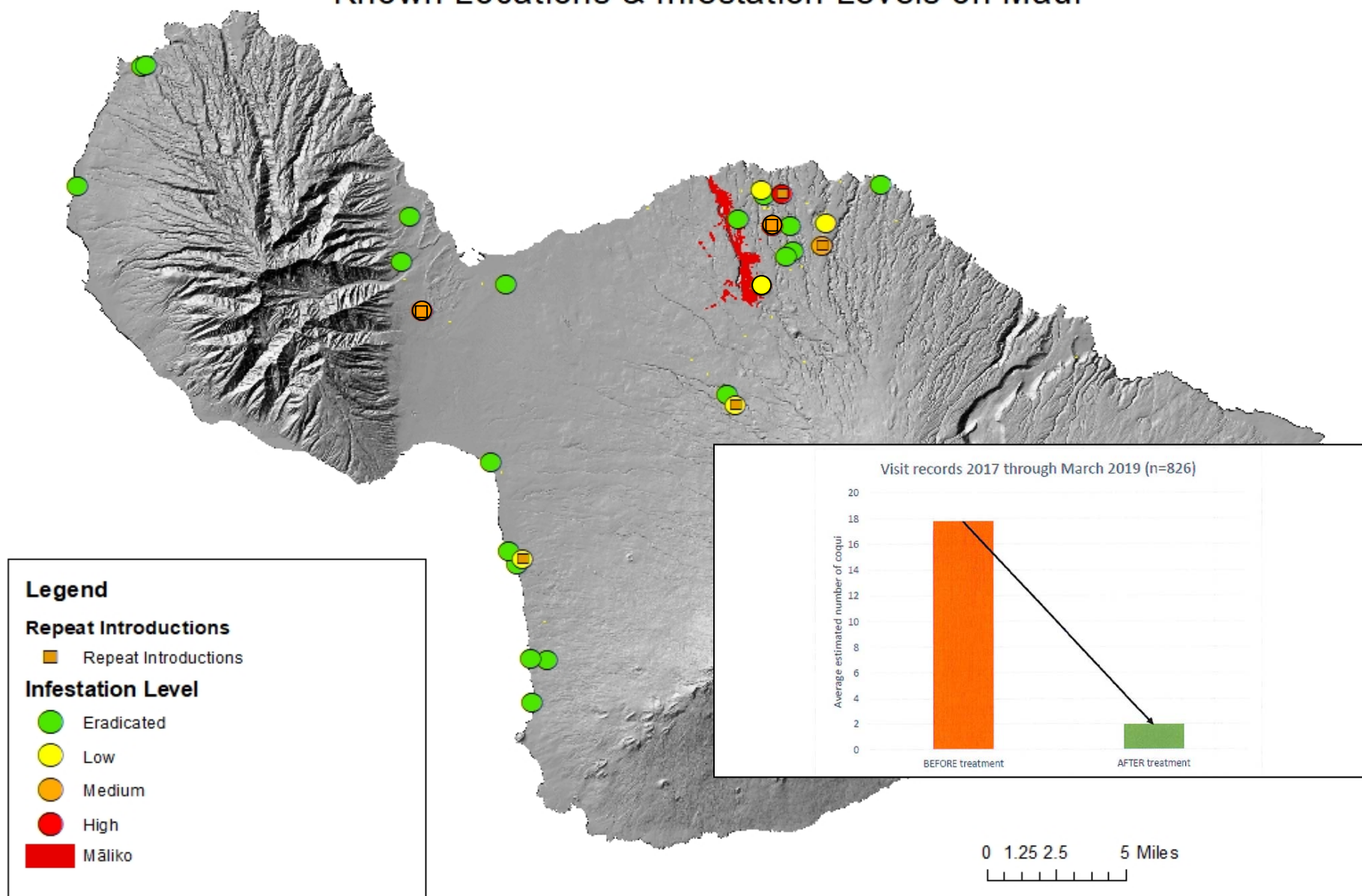
Initiatives

- Coqui control and expanded effort
- Little fire ant (LFA)
- Hāna miconia
- Expanding outreach efforts
- MoMISC
- Stable funding
- Partnerships





Coqui Frog Populations Known Locations & Infestation Levels on Maui



Expanded Effort

- Equipment and supplies
 - Three trucks on order
 - Acquired a forklift
 - 1 mile of pipeline installed
 - Purchased 360,000 lbs. of citric
- Staff hired
 - 3 interns, 10 hires
- Creative staffing
 - American Conservation Experience
 - Hiring practices



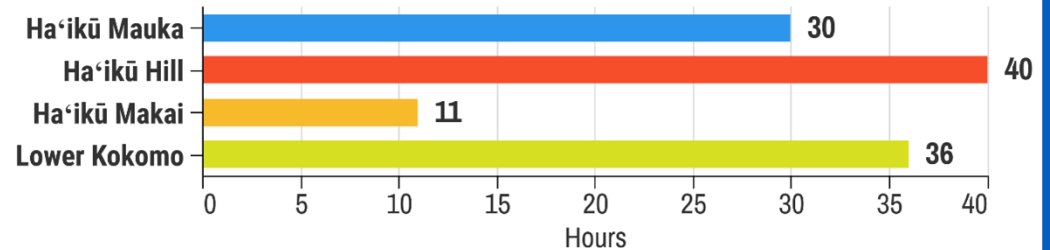
“This is the quietest it has been in years.”

“I can sleep with my windows open again.”

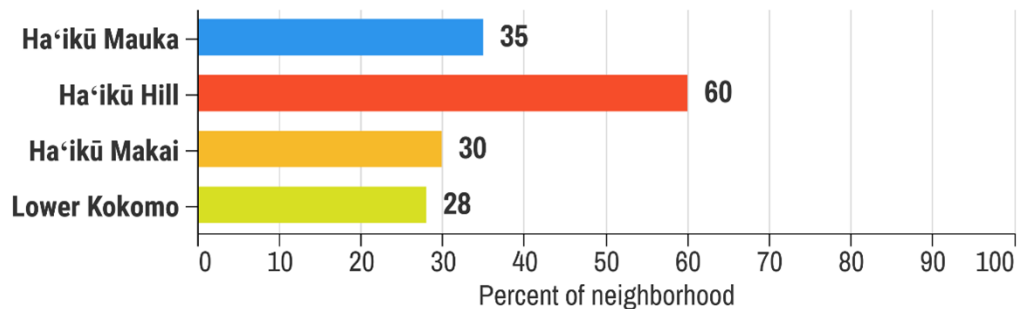
“I don’t have to wear ear plugs anymore.”



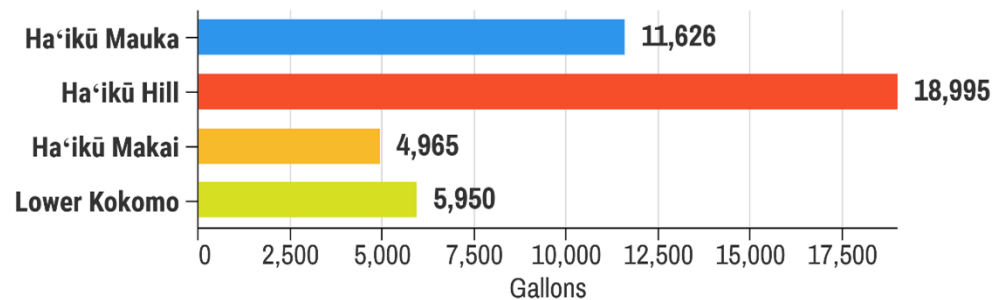
**Average volunteer hours per spray week by
neighborhood volunteers in 2019**



Average level of neighborhood participation in 2019

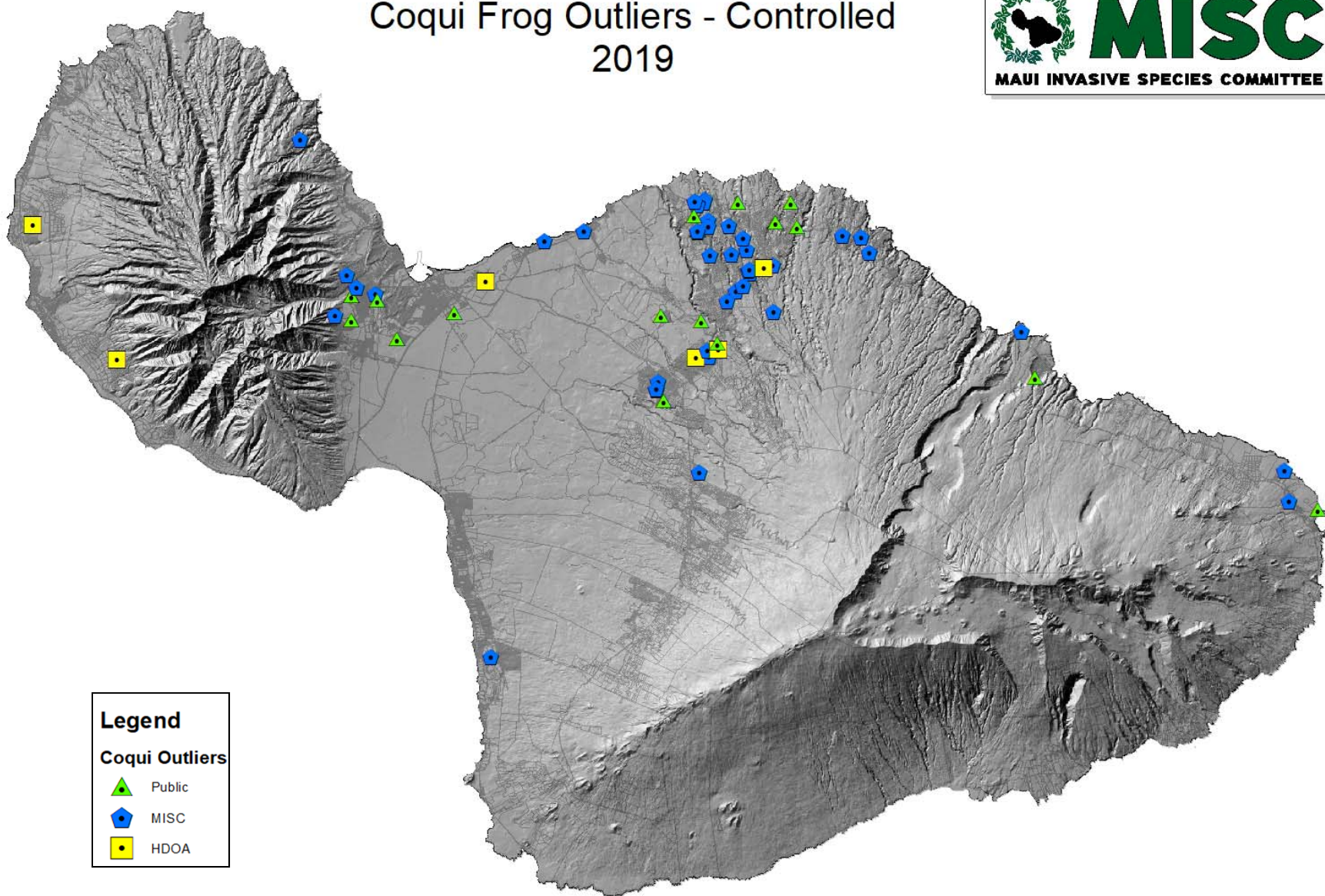


Total citric sprayed by neighborhood volunteers in 2019



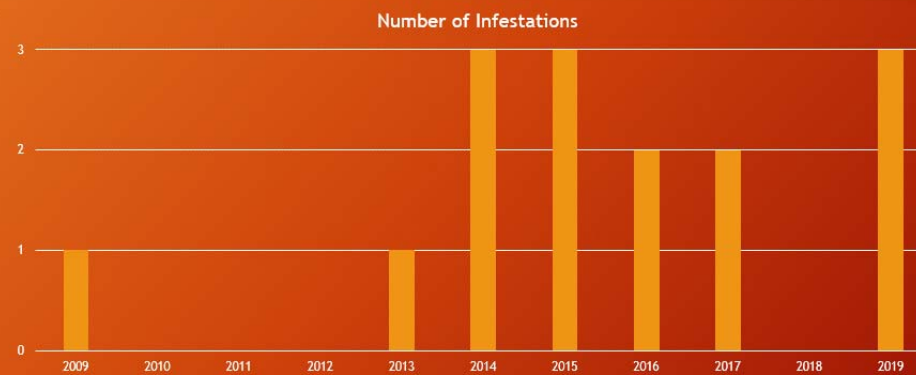


Coqui Frog Outliers - Controlled 2019





LFA incursions discovered per year on Maui

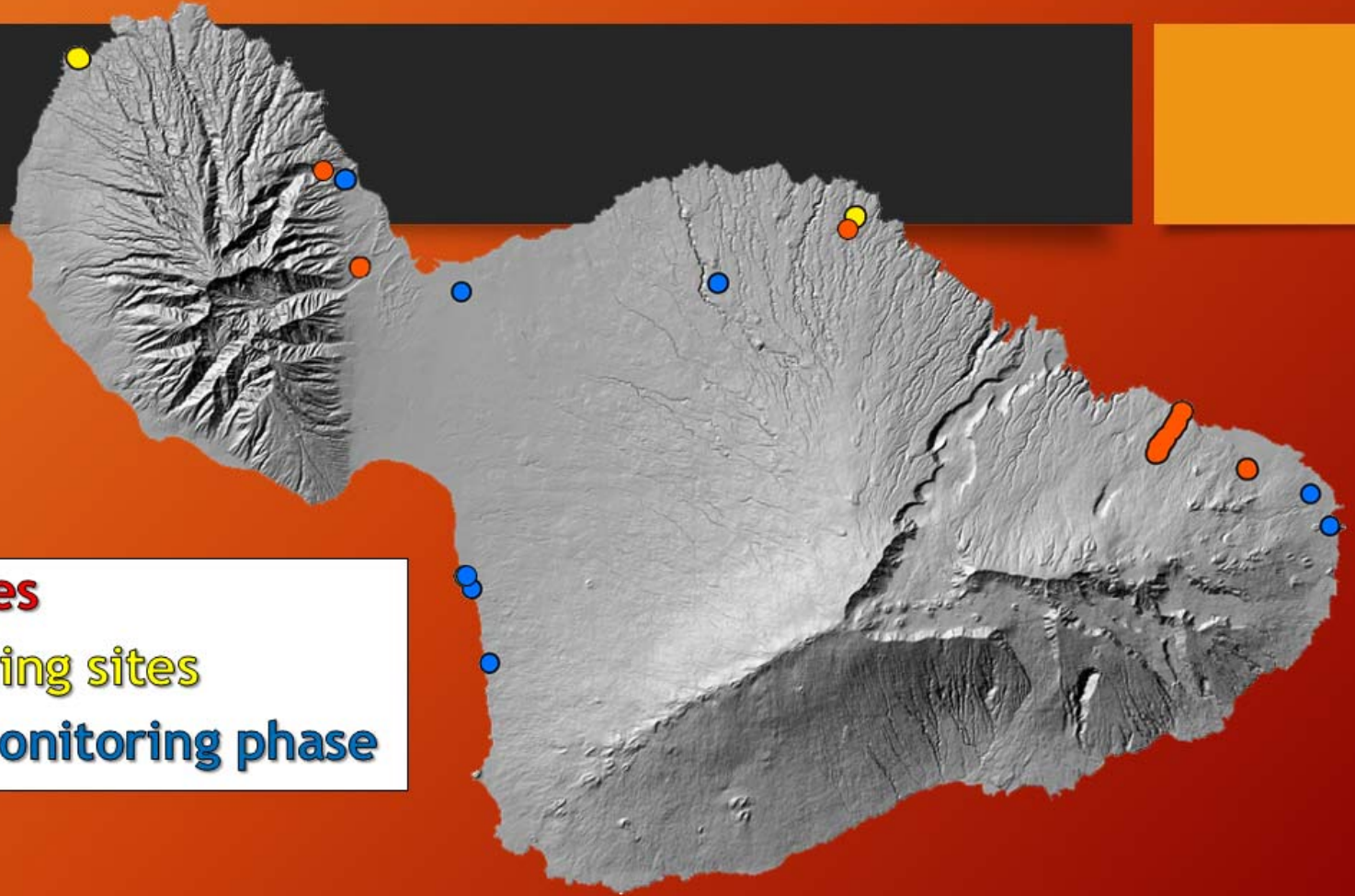


15 *incursions* discovered to date



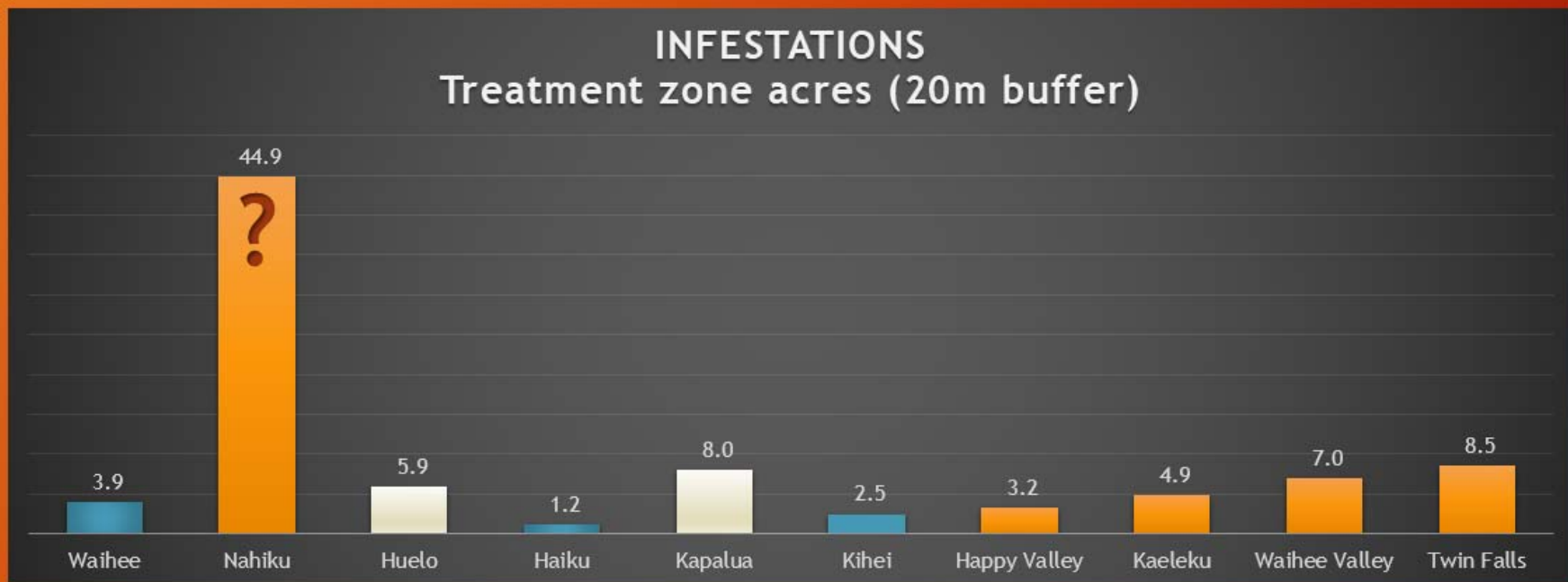
Overview

- 5 active sites
- 2 transitioning sites
- 8 sites in monitoring phase





Maui Infestations





<https://sites.google.com/view/nahiku-lfa/>

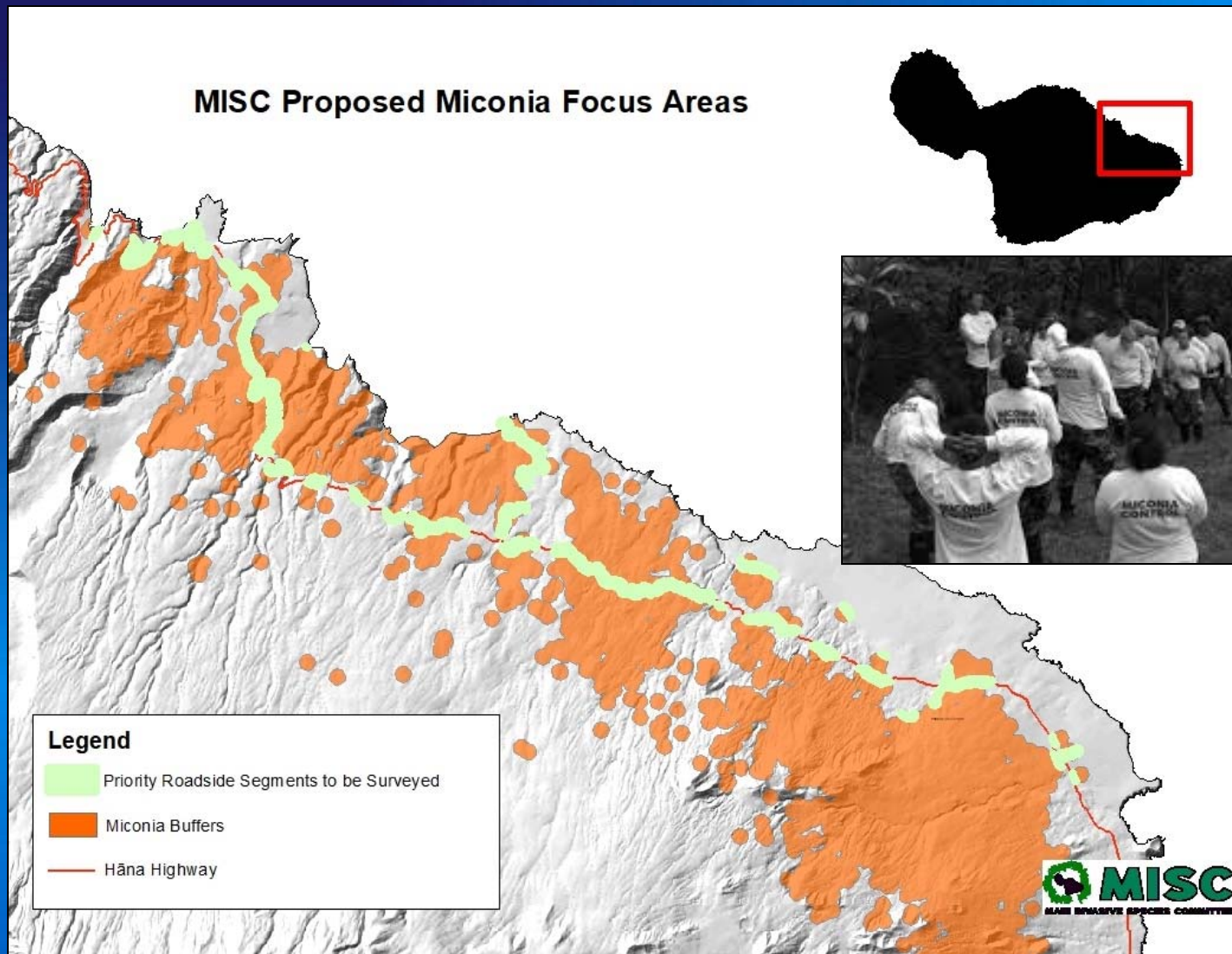
Treatment Schedule

Approximate date	Scheduled or actual date	Treatment
October 2019	10/1/2019, Tue	#01
November 2019	11/12/2019, Tue	#02
December 2019	12/16/2019, Mon	#03
January 2020	1/28/2020, Tue	#04
March 2020	3/17/2020	#05
March 2020	3/19/2020	#05
April 2020	Tentative	#06
June 2020	Tentative	#07
July 2020	Tentative	#08
September 2020	Tentative	#09
	Tentative	#10



Miconia

Currently the largest crew at MISC!



Other Invasives – Worst on Island



Outreach and Education

- Many target species have been found as the result of working with students, teachers and the public.
- Hō‘ike
- Maui Mauka
- CBSM
- Kia‘i Moku
- Newsflash
- Social media
- Websites



What Makes MoMISC Unique

- Smallest Invasive Species Committee
- Highest number of eradications
- Extremely successful at partnering
- 100% of staff are from Molokai
- Closest ties to the community
- *De facto* agricultural inspection role – receives reports; vouchers specimens for HDOA
- Works closely with the CTAHR
- Strongest cultural component of the ISCs



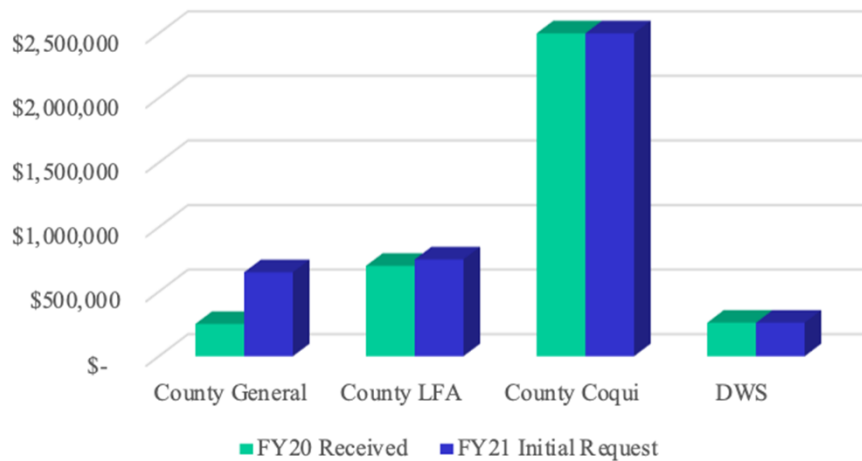
Challenges

- New introductions
- Inter-island movement of pest species
- Biosecurity
- Recalcitrants
- Aligning grant cycles
- Finding a “permanent” home
- Hiring
- Staying motivated!



Funding

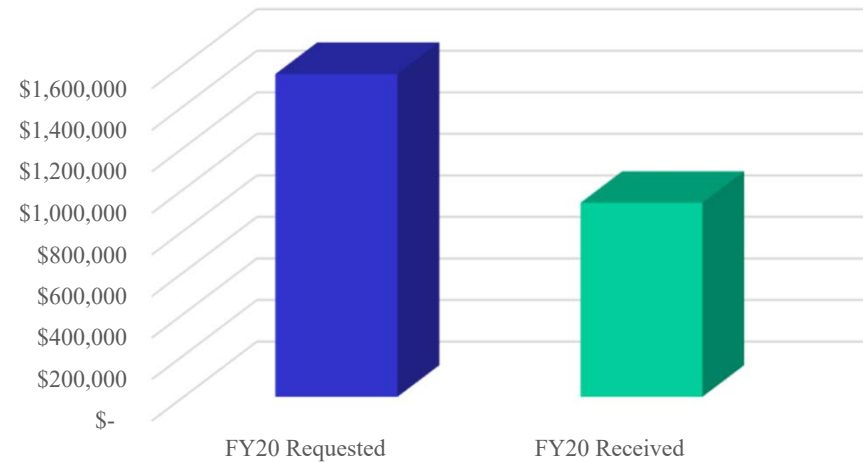
FY20 & FY21 Funding County



	FY20 Received	FY21 Initial Request
County General	\$ 250,000	\$ 650,000
County LFA	\$ 700,000	\$ 750,000
County Coqui	\$ 2,500,000	\$ 2,500,000
DWS	\$ 260,000	\$ 260,000
Total	\$ 3,710,000	\$ 4,160,000

	FY20 Requested	FY20 Received
HISC General	\$ 1,029,724	\$ 657,253
HISC LFA	\$ 111,237	\$ 61,200
HISC Coqui	\$ 220,658	\$ 83,000
HISC Outreach	\$ 192,174	\$ 132,640
Total	\$ 1,553,793	\$ 934,093

FY20 Funding State



The impact of reduced funding:

- What's at stake?
 - Jobs for residents
 - Early detection / rapid response capacity
 - Control of the worst invasive species
 - Progress on coqui frogs and little fire ant
 - Expertise / inherent knowledge
 - Infrastructure lost
 - Economic drivers (e.g., tourism)
 - Agricultural productivity
 - A network of support
 - Quality of life



Mahalo nui!



**MISC & MoMISC are projects of the
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