

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



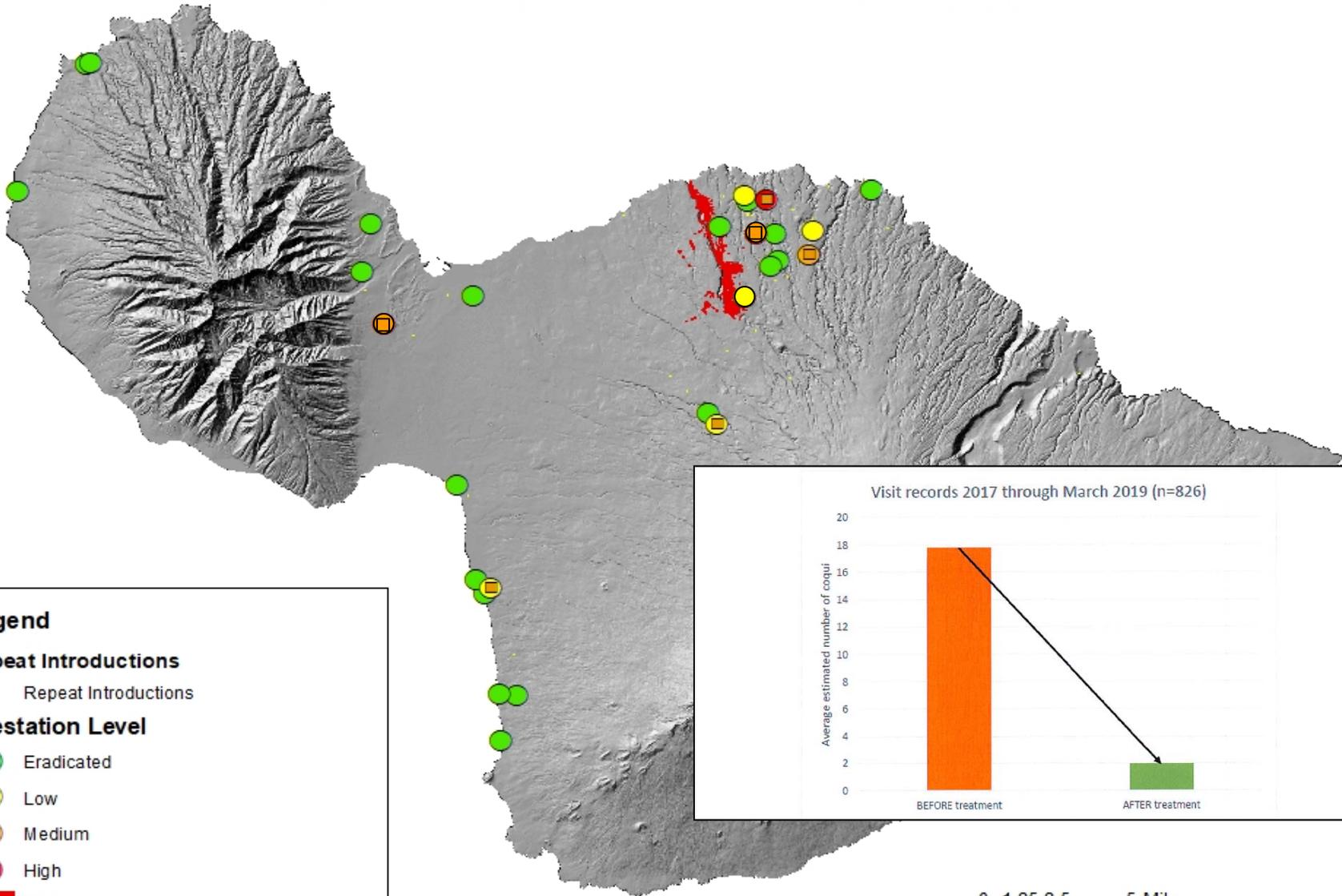
March 12, 2020

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



Legend

Repeat Introductions

- Repeat Introductions

Infestation Level

- Eradicated
- Low
- Medium
- High
- Mālika



0 1.25 2.5 5 Miles



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.”

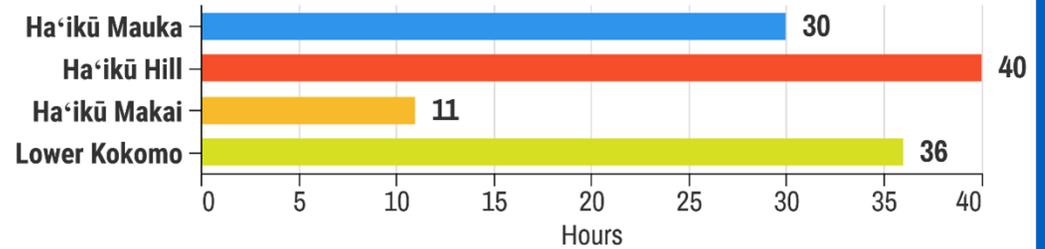
“I can sleep with my windows open again.”

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

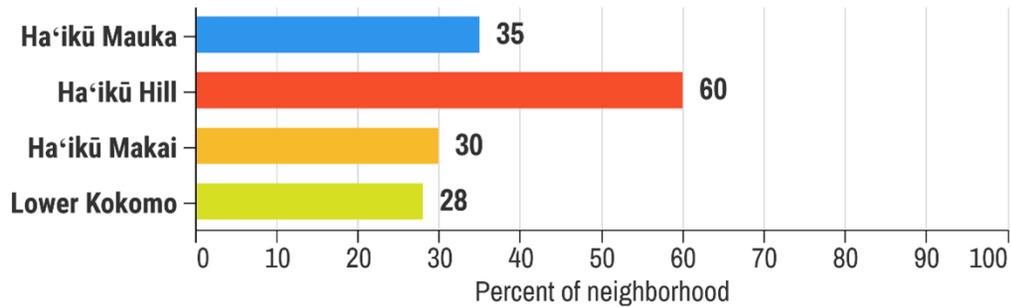


Working Together for a Coqui-Free Neighborhood

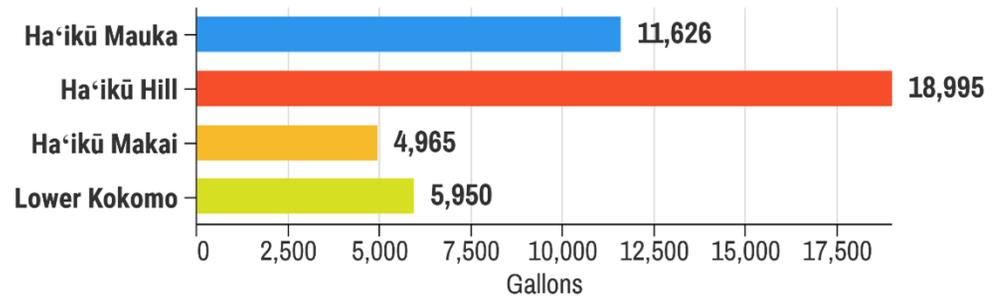
Average volunteer hours per spray week by neighborhood volunteers in 2019



Average level of neighborhood participation in 2019

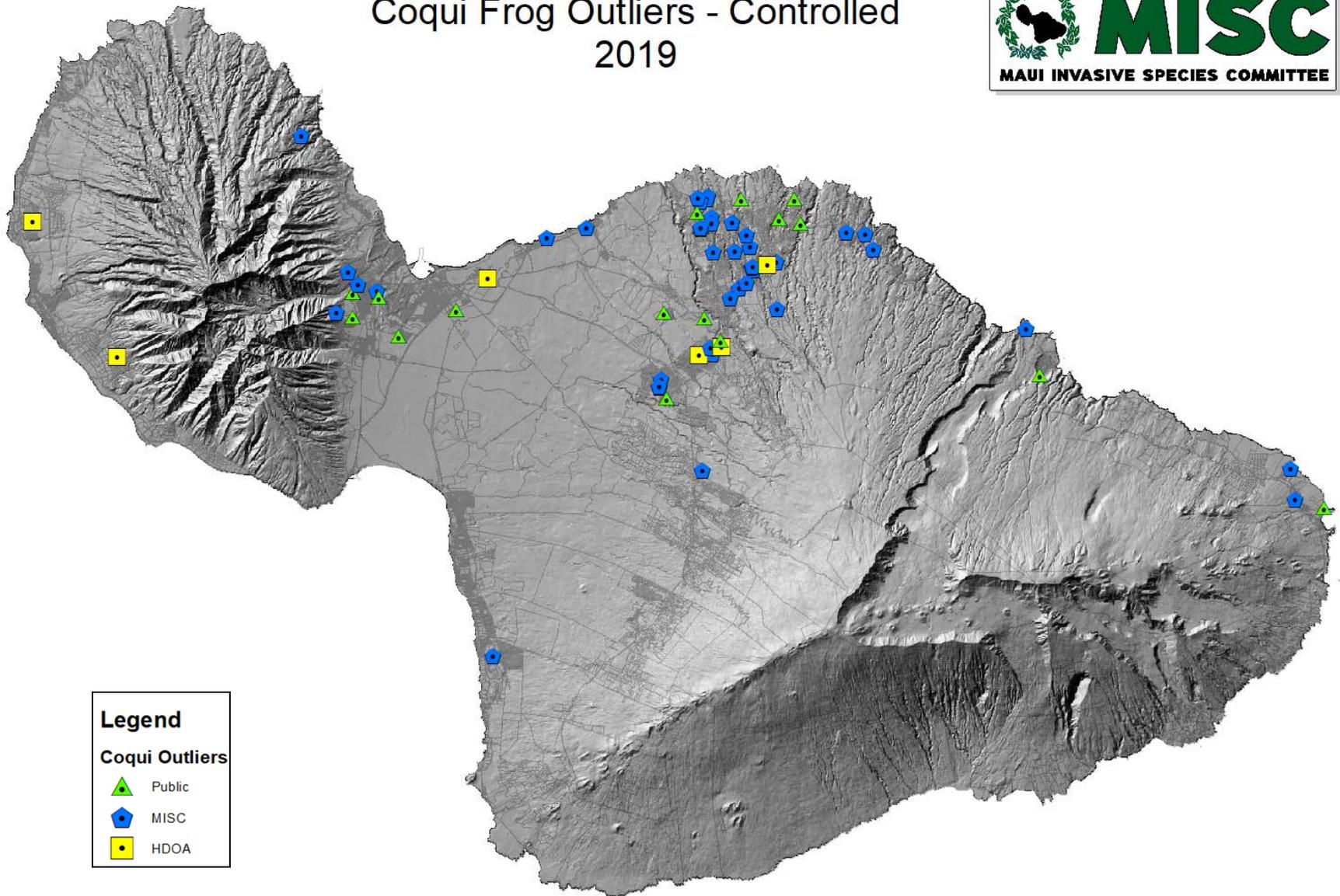


Total citric sprayed by neighborhood volunteers in 2019



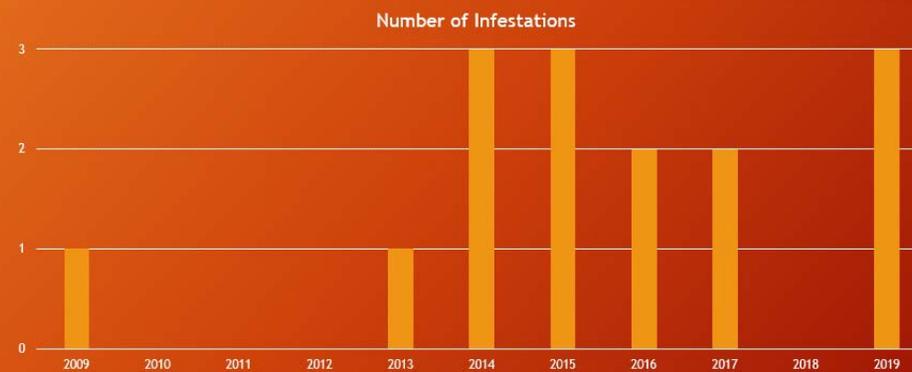


Coqui Frog Outliers - Controlled 2019





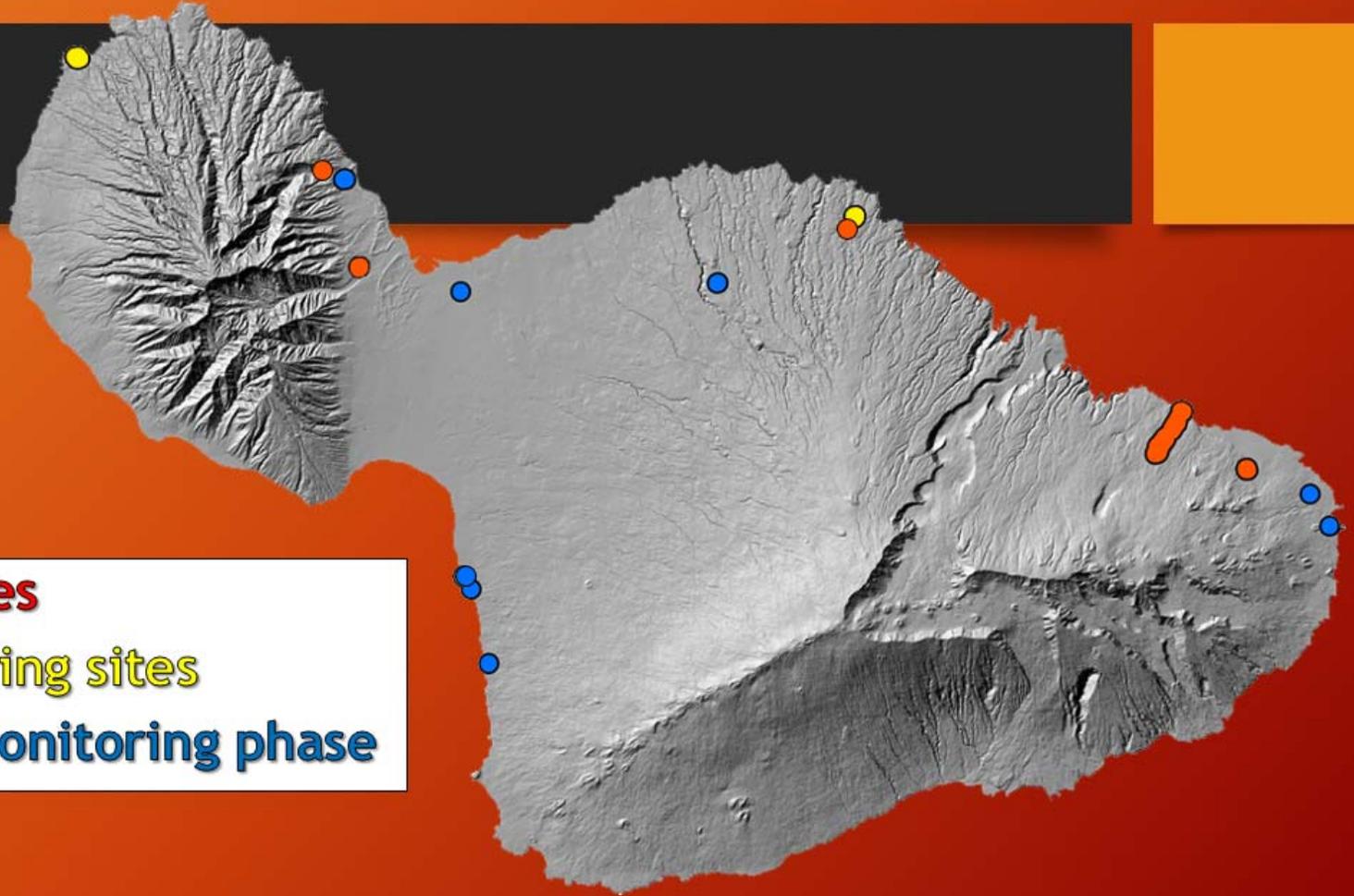
LFA incursions discovered per year on Maui



15 *incursions* discovered to date



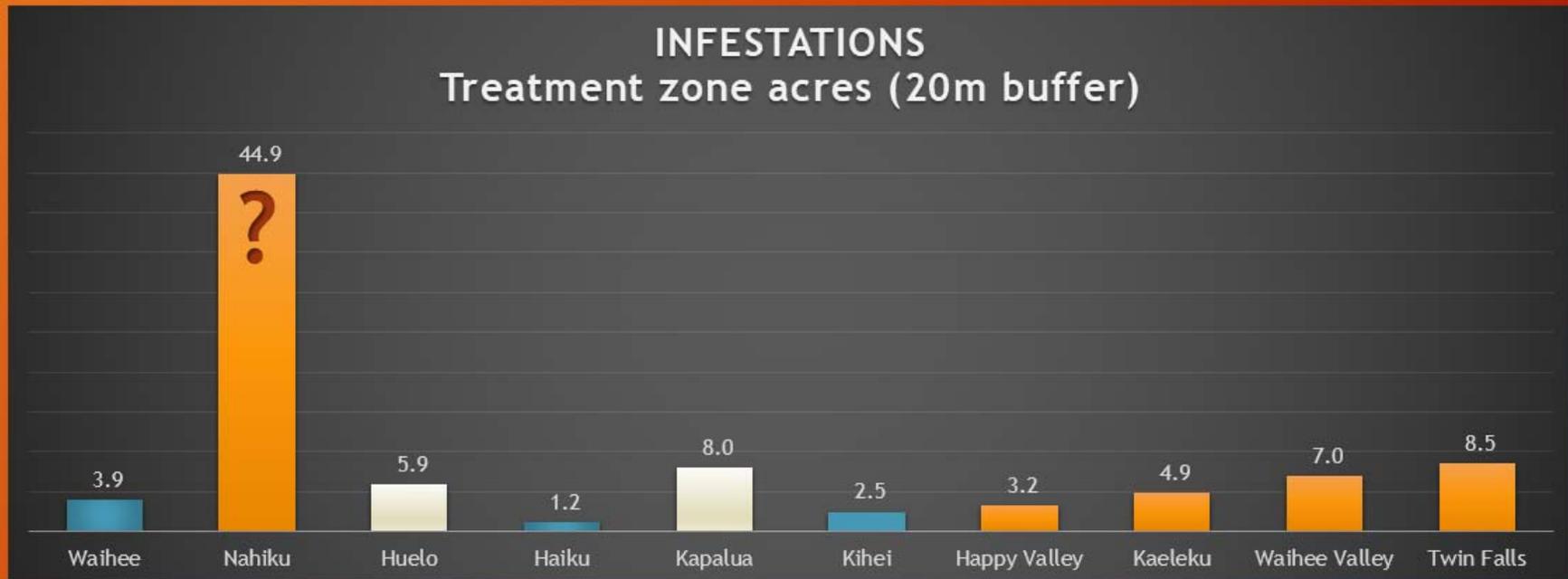
Overview



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



Maui Infestations

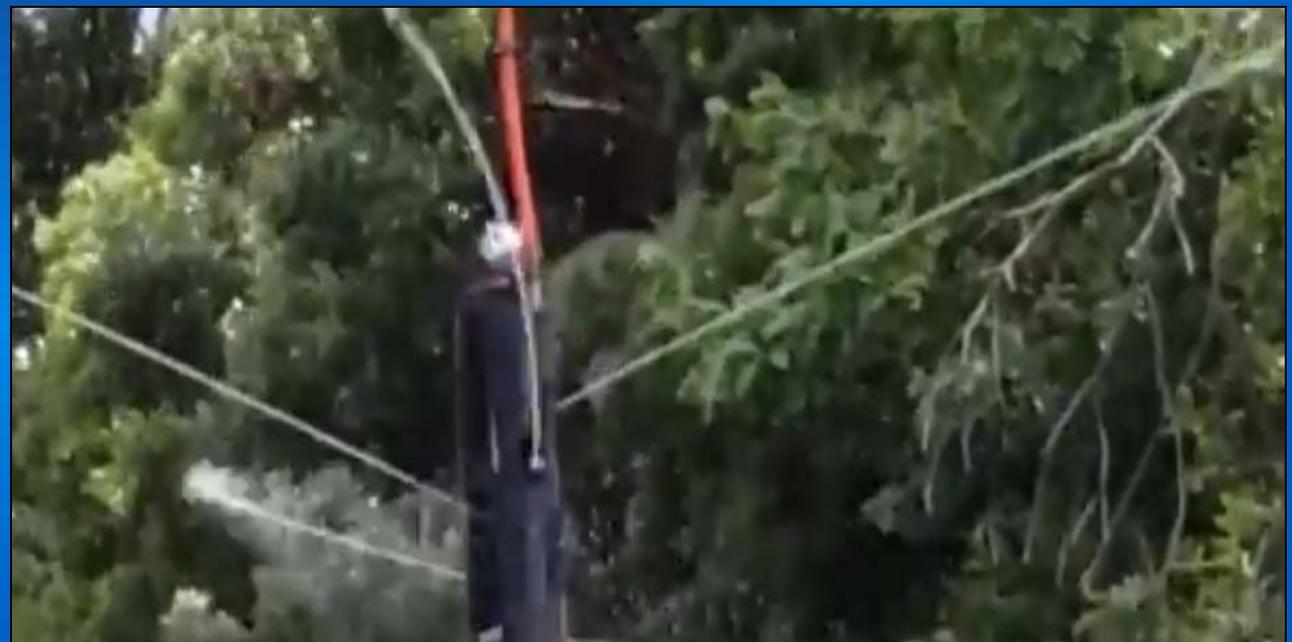




<https://sites.google.com/view/nahiku-lfa/>

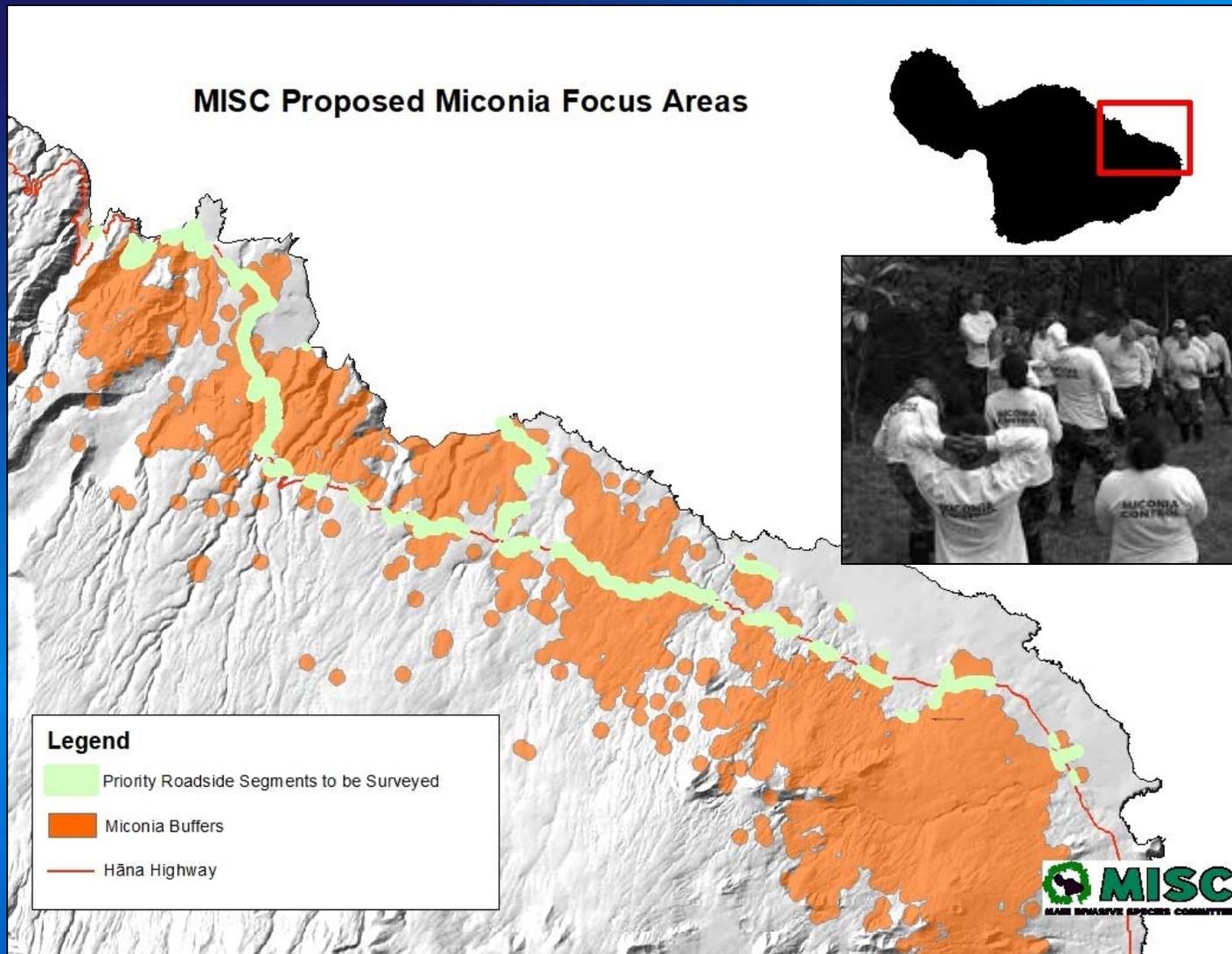
Treatment Schedule

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**



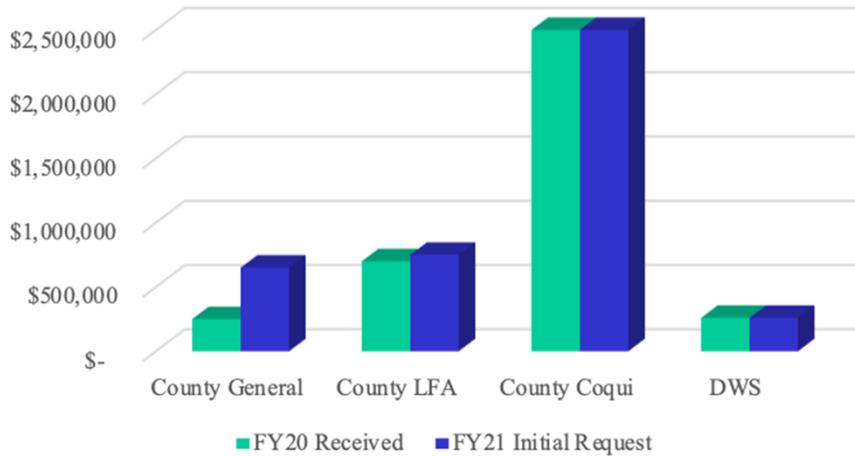
Challenges

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



Funding

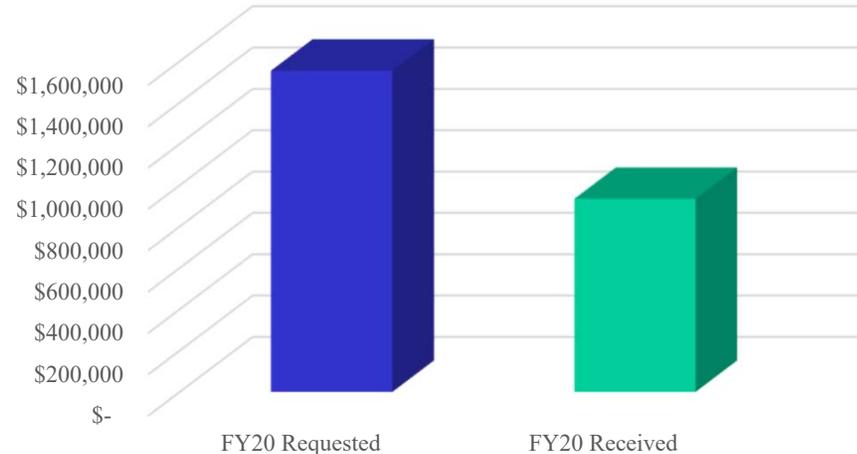
FY20 & FY21 Funding County



	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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