

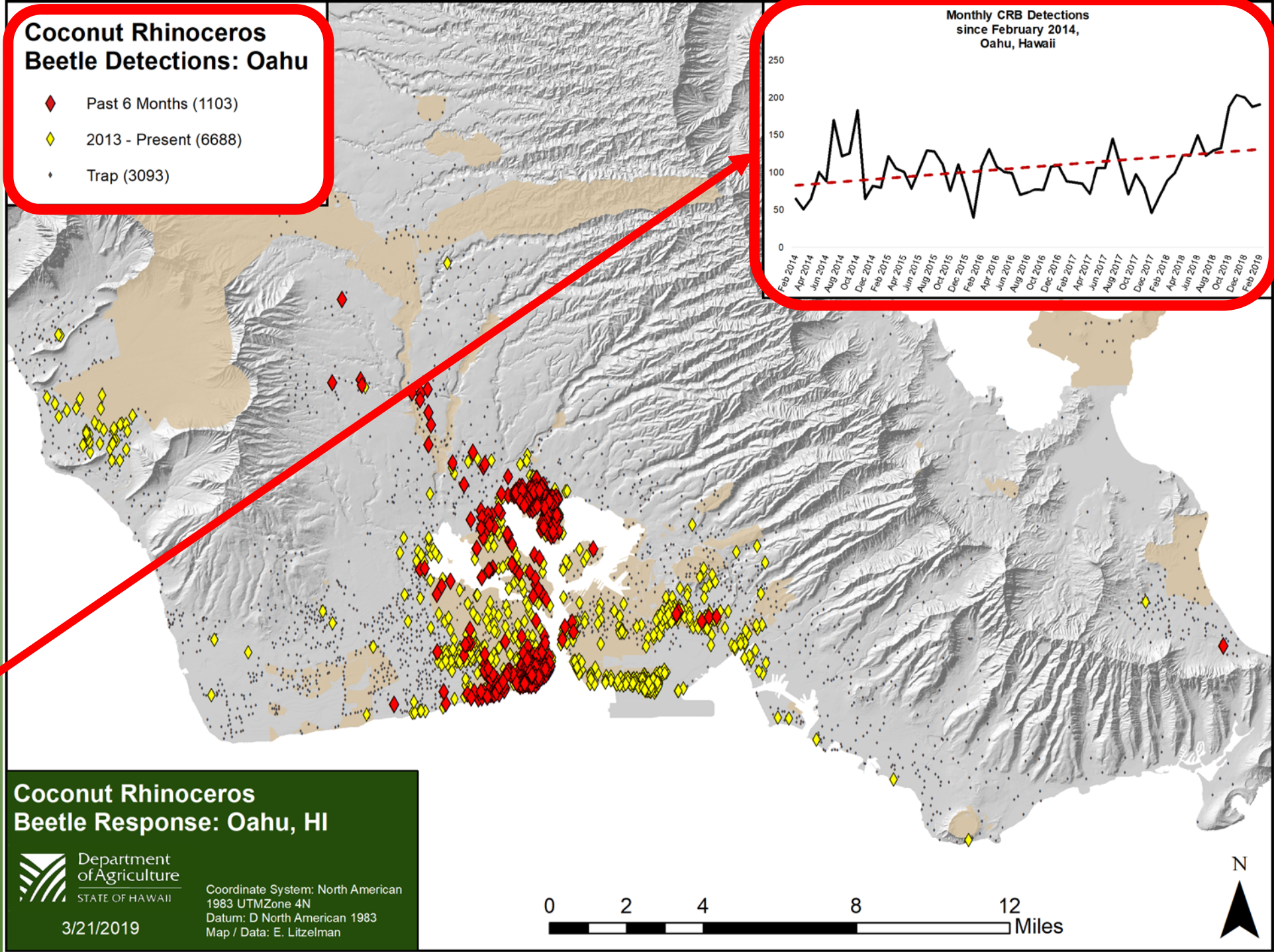


Status Update 2019

- Overall trap catch has increased
- Recent increase correlates with beetle activity currently being mitigated
- Fluctuation in trap catch is mostly caused by site mitigation

Coconut Rhinoceros Beetle Detections: Oahu

- ◆ Past 6 Months (1103)
- ◆ 2013 - Present (6688)
- Trap (3093)



Coconut Rhinoceros Beetle Response: Oahu, HI



Department
of Agriculture
STATE OF HAWAII

Coordinate System: North American
1983 UTM Zone 4N
Datum: D North American 1983
Map / Data: E. Litzelman

3/21/2019

0 2 4 8 12 Miles

N



High Priority Areas

Pearl City Peninsula-

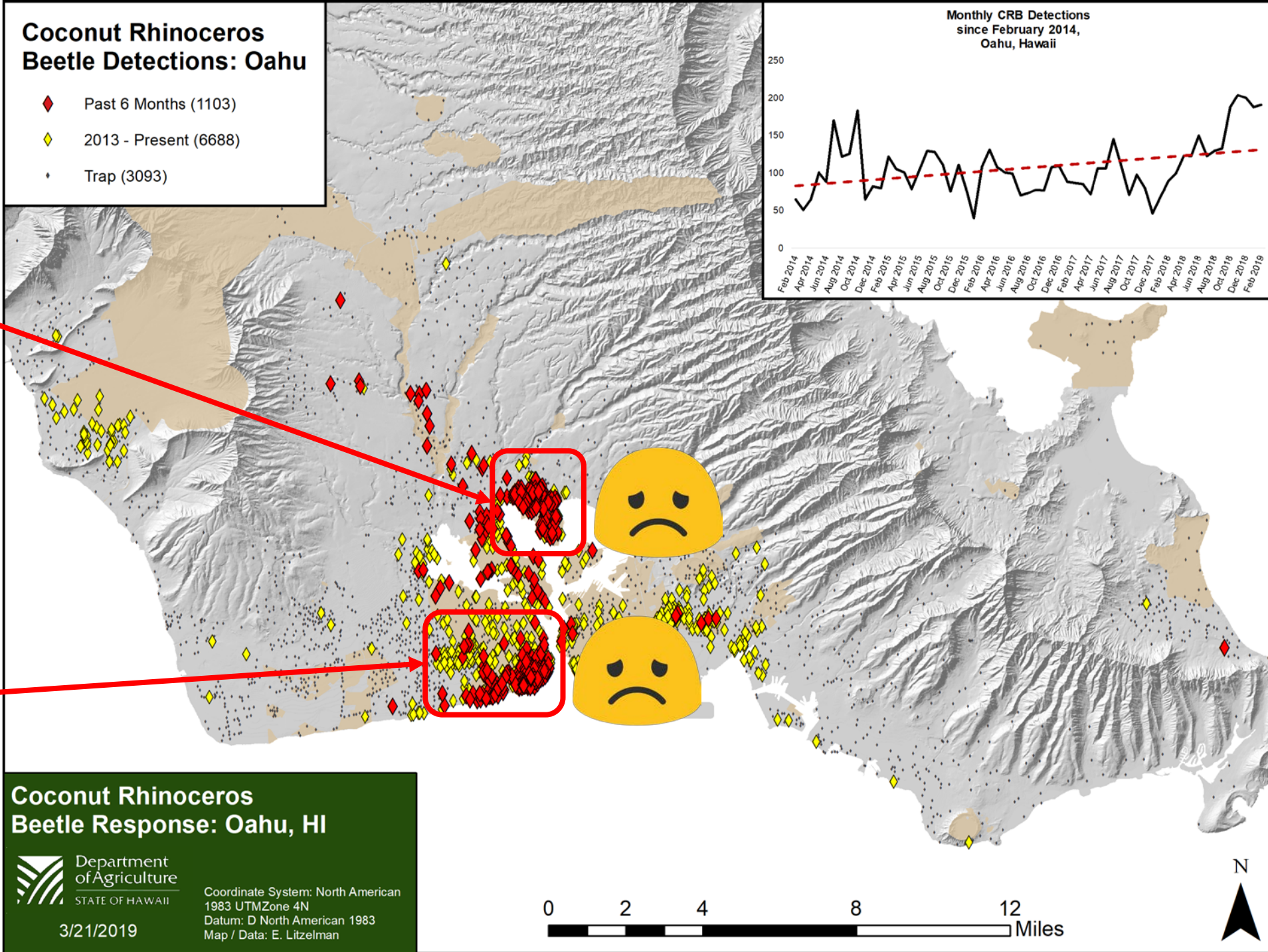
- Good communication, cooperation, and outreach
- Numerous breeding sites, difficult to sanitize, transport, or dispose
- Some landowners/lessees want to use mulch or compost

Iroquois Point/Ewa Beach-

- Good communication, cooperation, and outreach
- Difficulty in finding new breeding sites
- Most areas well manicured landscaping

Coconut Rhinoceros Beetle Detections: Oahu

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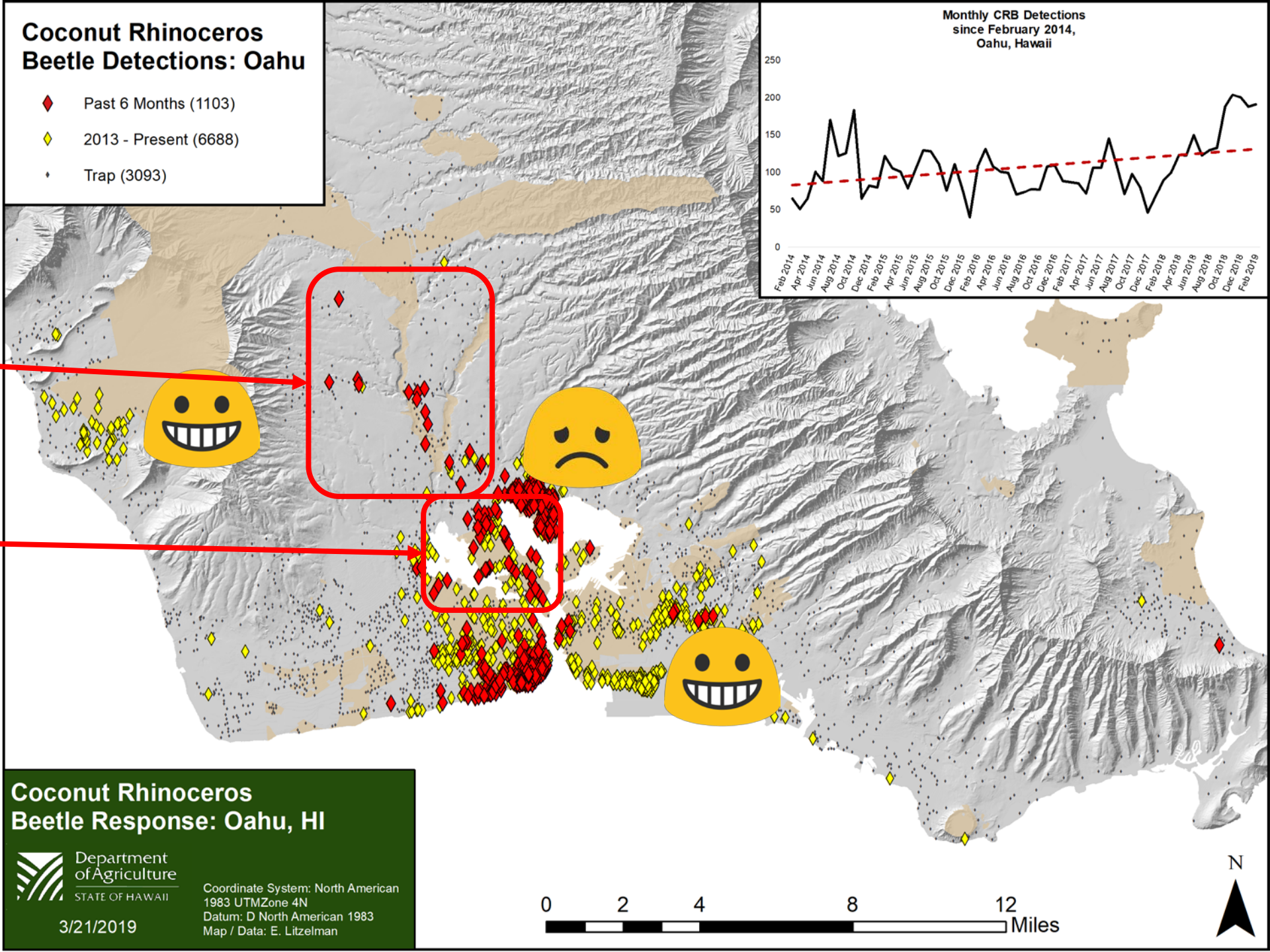
Other Management Zones

Central Oahu

- Waikele, Mililani Ag. Park, Kunia
- Possibly due to human transport

Waipio Peninsula

- Trade wind travel or migration?



Outreach

FRIENDS OF PEARL CITY URBAN GARDEN
CENTER
presents

Backyard Gardening Expo

FOR PLANT ENTHUSIASTS, BEGINNERS, AND KEIKI!
FREE WORKSHOPS AND HANDS-ON-ACTIVITIES,
PLUS A MINI-PLANT SALE!
PLANT DOCTORS FROM UNIVERSITY OF HAWAII
AND HAWAII DEPARTMENT OF AGRICULTURE
WILL BE ON SITE TO ANSWER QUESTIONS. BRING
SAMPLES IN SEALED CONTAINERS AND/OR
PICTURES OF YOUR PLANT ISSUES.

PEARL CITY URBAN GARDEN CENTER
SATURDAY, MAY 11, 2019
8:30 AM TIL 11:30 AM

WORKSHOP SCHEDULE AND MAP ON BACK OF
FLYER, AND MORE INFO ON EVENTBRITE.COM

Workshop Schedule	Hands-on Workshops	Hot-Topic Talks
8:45-9:15	Hot Composting	Little Fire Ant
9:30-10:00	Vermicomposting	Coconut Rhino Beetle
10:15-10:45	Homemade Remedies	Little Fire Ant
11:00-11:30	Vermi/Hot Composting	Coconut Rhino Beetle

****Keiki planting activities and interactive displays will run throughout the morning.**

PEARL CITY URBAN GARDEN CENTER
955 KAMEHAMEHA HWY PEARL CITY, HI 96782

399 ft
© 2018 Google

Mālama Learning Center

SPECIAL THANKS TO OUR ADDITIONAL SPONSORS: HOME DEPOT, HI DEPARTMENT OF AGRICULTURE, KOKUA HAWAII FOUNDATION, US DEPARTMENT OF AGRICULTURE (ANIMAL AND PLANT HEALTH INSPECTION SERVICE), AND PARADISE BEVERAGES

Ongoing Research/ Upcoming Projects

Ongoing



Upcoming

- Tree injections- ongoing trials, plans to expand
- Fungus- field testing, moderate mortality
- Turf pesticides- lab tested, field testing planned
- Lights- testing wavelengths (UV, blue, green)
- Lures- 2 new lures developed (phenol, quinone collected from beetle) field testing planned
- Vacuum Steam Sterilization- October ready
- Detector dogs- Mid- September (tentatively)
- RNAi- injections are working, needs delivery mechanism



Programmatic Needs

Green Waste Management Plan

Island-wide, enforced

Mitigation Tools

To treat and transport fine material

Engagement

Building relationships and increased communications with partner agencies and departments

More meaningful interactions with landscaping industry to prevent spread

