

RESPONSE UPDATE - November 13 - November 26, 2016

# Coconut Rhinoceros Beetle Project

Honolulu, Oahu, HI

Oahu

## DETECTIONS

### ON BASE\*

44 adults detected (of 2,958 adults detected since 12/23/2013).

### OFF BASE

14 adults detected (of 408 adults detected since 12/23/2013).

\* ON BASE: All DOD property on O'ahu; including Joint Base Pearl Harbor-Hickam (JBPHH)

### SURVEILLANCE

- Investigation into possible breeding sites continues within established buffer zones.
- New panel traps installed in Pearl City (9), Ewa Beach (2) and Kaneohe (1).
- Mulch and breeding site surveys and resurveys at Pearl City Peninsula (2 third instar and 12 second instar larvae found).
- Palm damage survey and resurvey in Pearl City and Ewa Beach (16 palms observed with new damage).

### RESEARCH

- Research is still underway to better understand the cyclic nature of weekly, monthly, and annual trap capture rates.
- 7 traps deployed with ethyl acetate lures in 2 locations to test efficacy.

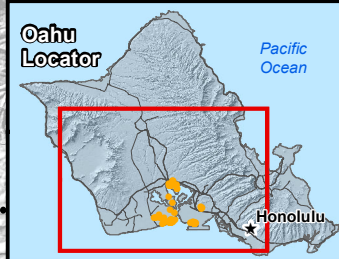
### BEETLE FACT:

• The standard pheromone used in the CRB Response Program is ethyl-4-methyloctanoate – an aggregation pheromone; that is typically released by males to attract both males and females. Aggregation pheromones attract insects to locations where mating occurs and where females will find suitable egg-laying sites.

### MITIGATION

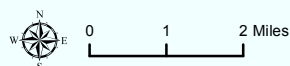
• 3,371 trap services conducted on 3,055 total traps during this reporting period.

### Oahu Locator



### OUTREACH

- 76 public interactions by field crew during this reporting period.
- 27 public reports addressed during this reporting period.
- 4 businesses interactions by field crew during this reporting period.
- Presentations made at West Lock estates and Palm Court (6 ppl).
- Outreach conducted at Ocean Pointe.
- Tour of JBPHH with Mamalu Poepoe Coordinator.
- Tour of Ho'omaluhia Botanical Garden with Maintenance Supervisor.
- Met with Assistant Manager of The Home Depot – Pearl City.
- Participated in bi-weekly military updates at JBPH-H and bi-weekly CRB inter-agency meetings.



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- Areas of detection
- Trap
- 2 Mile Buffer of Trap Detections
- JBPHH
- ON BASE