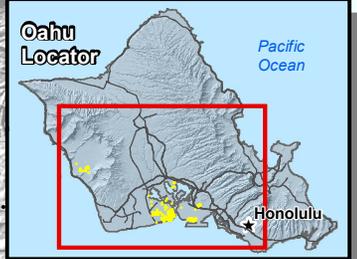


# Coconut Rhinoceros Beetle Project

Honolulu, Oahu, HI



**DETECTIONS**

**ON BASE\***

- 38 adults detected (2,459 adults total detected since 12/23/2013)

**OFF BASE**

- 16 adults detected (265 adults total detected since 12/23/2013)

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

**BEETLE FACT:**

"In lab conditions, CRB larvae preferred temperatures around 27 to 29 degrees C° (81 to 84 degrees F) and had a strong negative phototaxis response, possibly an adaptation against desiccation and predation" (Bedford, 1980).

**MITIGATION and OUTREACH:**

- 3,219 trap services were conducted on the 2,904 traps installed on Oahu.
- 27 new traps deployed in Ewa, Pu'uloa, Ma'ili/Lualualei and at Kewalo Basin.
- Air Curtain Burners (ACBs) from Mamala Bay Golf Course have been moved to the Fire Burn Trainer on JBPHH and were operational as of 4/4/2016.
- 23 public reports serviced.
- Established contact with the Resident Manager of the Kapalina Housing community.
- Outreach efforts conducted in the Nanakuli community.
- Information presented to Barber's Point Golf Course staff (15), Entomological Society of America (ESA), Florida Dept. of Food and Agriculture (1), USDA-ARS (1), USDA-CPHST (1) and University of Guam (1) staff.

**SURVEILLANCE:**

- Investigation into possible breeding sites continues within established buffer zones.
  - 1 mulch pile netted at Pearl City Peninsula.
  - Sod sample collected at Mamala Bay Golf Course.
  - Focused survey at Iroquois Point housing with negative results.
- 10 dead palms inspected in Nanakuli – no CRB damage observed.
- Palm damage surveys conducted at Ke'ehi Lagoon, Honolulu Country Club, Moanalua Golf Course, Kuniyoshi Nursery and West Loch with no damage observed.
- Palm trimming monitoring at Mamala Bay and Iroquois Point resulted in one partially consumed beetle, but no CRB damage observed.

**RESEARCH:**

- A CRB research center is being prepared at UH Manoa. Site inspections and permits must be obtained before it can be used.
- Research is still underway to better understand the cyclic nature of weekly, monthly, and annual trap capture rates.

