

OISC Coqui Frog (*Eleutherodactylus coqui*) Management Efforts



OISC

O'AHU INVASIVE SPECIES COMMITTEE

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Strategy Overview

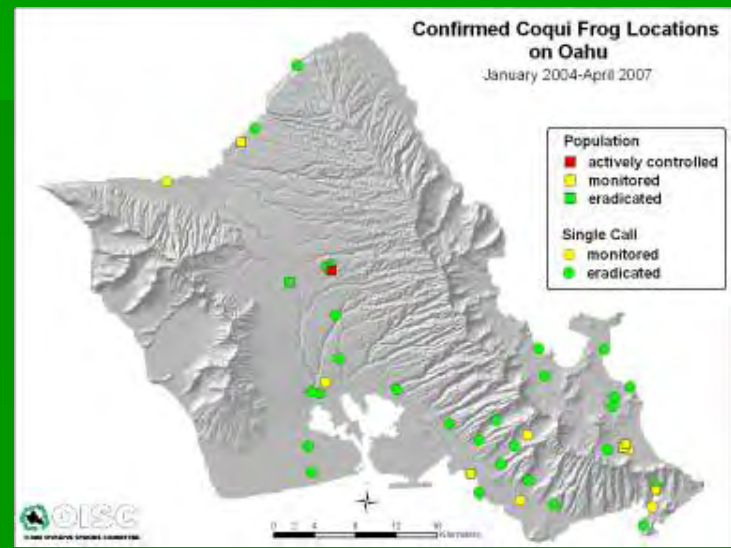
- Nursery
 - 19 priority nurseries
- Single Calls
 - OISC coqui database
- Wahiawa E. Range

- 2007: 11 verified reports



OISC Coqui Database Summary January 2007

Frog Reports and Site Visits				
Date	Location	Agency	Action Taken	Notes/Comments
2007-01-09	317 Keolu Dr, Kailua	OISC	False Report	Caller reported capturing a single frog, suspected to be coqui. Upon pick-up, BC verified as greenhouse. Handed out informational flyers/brochures + contact info for further assistance in the future if necessary.
2007-01-10	712 Pahumele Pl, Kailua	OISC	Unverified	Initial report received in Dec. '06 but unable to verify. BC made follow-up call 1/10/07 and still no frog heard since initial report. Continue to monitor into calling season.
2007-01-10	Mokuleia Landscape & Nursery Mokuleia	DOFAW HDOA OISC	Survey	RS listened on roads on both sides of the nursery (mauka and makai). Nothing heard. Will continue to survey into calling season.
2007-01-11	520 Lunailo Home Road #7417 Hawaii Kai	HDOA	Verified	Initial call came in 1/8/07; reported hearing 2 frogs calling on the premises. Another call came in from resident living in Bldg. #8 of The Peninsula and claims that calling is coming from planter box in the courtyard of his building. Building is new and plants in planter box are only a few months old. KM and Janis Matsunaga (aide) made visit 1/10/07 but were unsuccessful in capturing frog. On 1/11/07, resident of The Peninsula called in to report the capture of 2 frogs. KM pick-up and verified coqui.
2007-01-16	3489 Alailima St, Honolulu	HDOA OISC	False Report	Caller lifted several pots while gardening and discovered several small frogs inhabiting his backyard. Does not hear them though. From description given over phone, BC identified frogs to be greenhouse, not coqui. However, caller wants visual confirmation by an authority. BC passed report onto KM of DOA for follow-up.

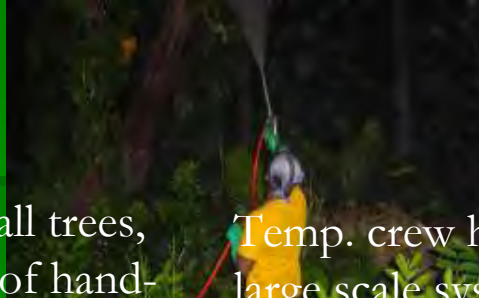


Infestation at SBER, Wahiawa





Clearing of brush, small trees, debris. Continuation of hand-capture. 4.5gal backpack sprayers used for “spot-sprays”.



Temp. crew hired, dedicated to large scale systematic foliar night sprays implemented at E. Range.



First report of *E. coqui* on O’ahu.



First reports of *E. coqui* at East Range. Initial method of control only via hand-capture.



Transects cut into various sections of infestation area. 100gal gas powered sprayer implemented to hit areas of infestation.



Large scale systematic daytime ground drench implemented at E. Range.



Current Efforts

- 2007 continued with systematic daytime soil drenches



- Increased detection efforts

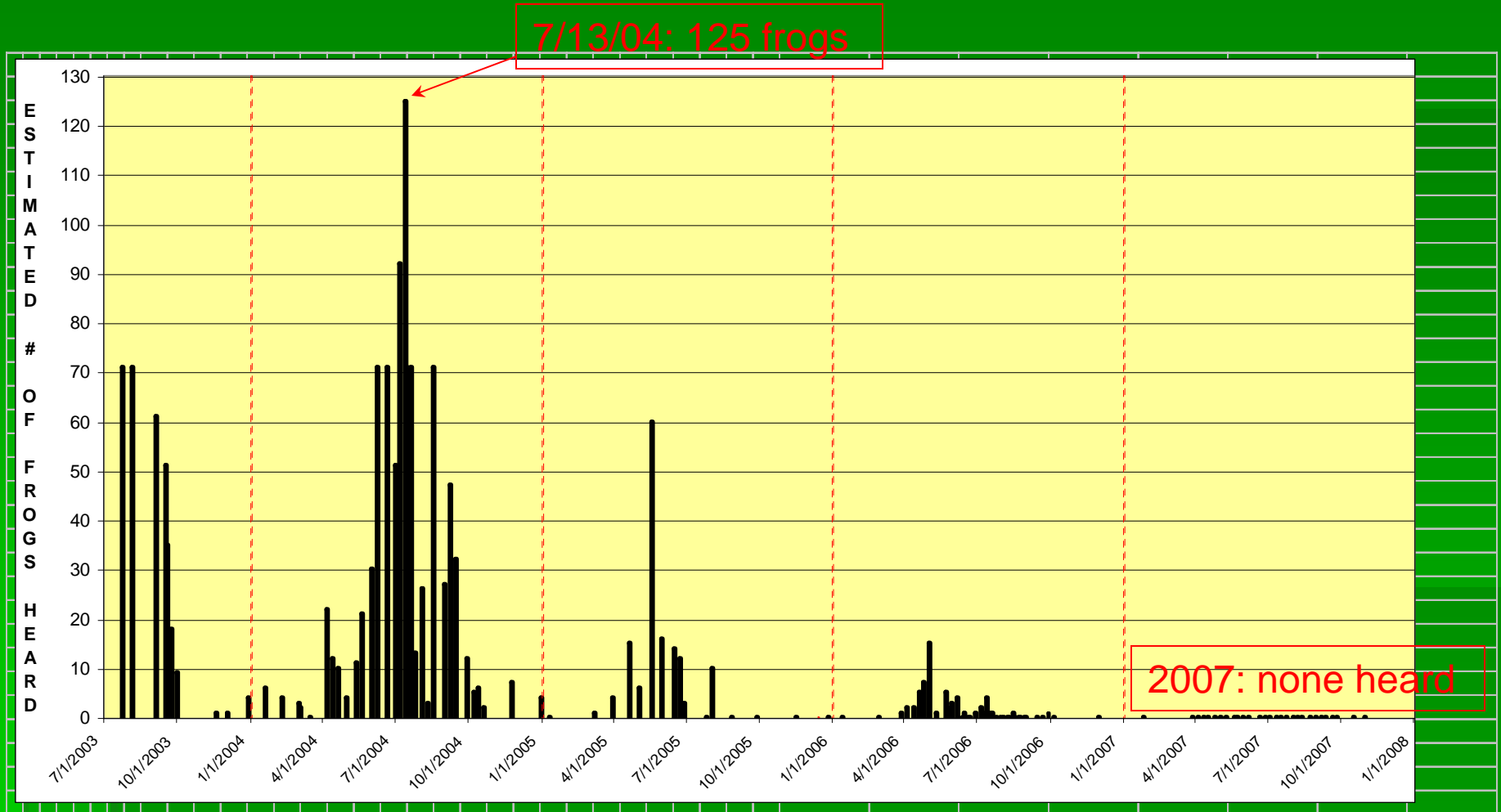
- Major habitat modification of Sect. 4



- Spot sprays of priority areas, such as residential areas & “hot spots” from previous coqui season



Estimated # of Males Heard At E.Range Treatment Area by Qtr.



*Graph courtesy of Robin Yamamoto, Directorate of Public Works, US Army Garrison, Hawai'i

So what did we learn from this?

- Timely partner agency coordination
- Development and implementation of a thorough management plan, with clear and attainable objectives
- Utilization of a combination of various methods of control
- Encourage community to participate, establish key contacts in neighborhoods
- *Early control efforts are much more successful*



Future Needs

- Increased outreach
- Improved detection methods; remote monitoring
- Inter-island plant quarantine measures
- Increased efforts at the nursery front
- Need for thorough vehicle decon procedures for vehicles coming from Big Isle on Super Ferry in 2009

Acknowledgements

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