Eleutherodactylus coqui on Maui

Presented by:
Maui Invasive Species Committee
February 8, 2008
History of Control Efforts on Maui

• **1980’s** – First coqui frogs found in Hawaii.

• **1997** – First coqui frogs found on Maui.

• **1999** – Organized research and control efforts begin.

• **2000** – MISC becomes the primary repository for public reports of coqui frogs and rapid response.
History of Control Efforts on Maui

- **2002** – MISC conducts field tests of frog control methods.
- **2003** – Citric acid is identified as a primary control method.
- **2003** – Vertebrate supervisor is hired by MISC to coordinate cooperative program.
- **2004** – MISC expands report follow-up and control activities.
Operational Strategy

• Management units define ground operations to ensure thorough coverage and to evaluate progress.

• Revisits to infested / suspect areas are regularly scheduled year-round.

• The public is heavily involved in both reporting and control.

• Coordinate with HDOA and the nursery industry to prevent introductions.
Coqui Frog Populations
Current Sizes & Infestation Levels
(Spring 2005)
Coqui Frog Populations
Current Sizes & Infestation Levels
(June 2007)
Coqui Frog Populations
Current Sizes & Infestation Levels on Maui
(February 2008)

Infestation Level
- High
- Medium
- Low
- Done

Acreage
- 0 - 1
- 1.1 - 10
- 10.1 - 127
Maliko Gulch Sprinkler System Overview

- Nelson Big Gun® Sprinklers ($1,000 – $2,500)
- Large volume pipe ($9 - $15 / ft.)
- Large volume storage container ($1 - $3 / gallon)
- A lot of water ($1 - $3 / ft.)

- Injection system (added storage / pipe / fittings)
- Pump and trailer ($5,000 - $15,000)
- Bits and pieces….

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