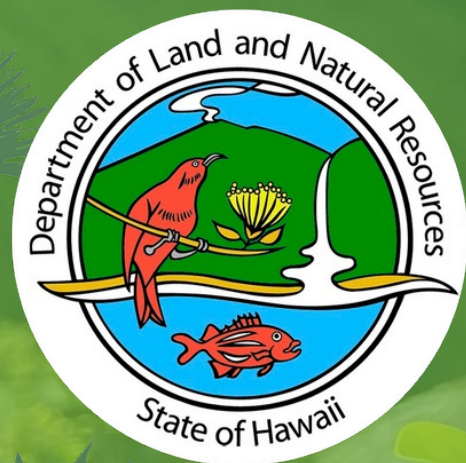


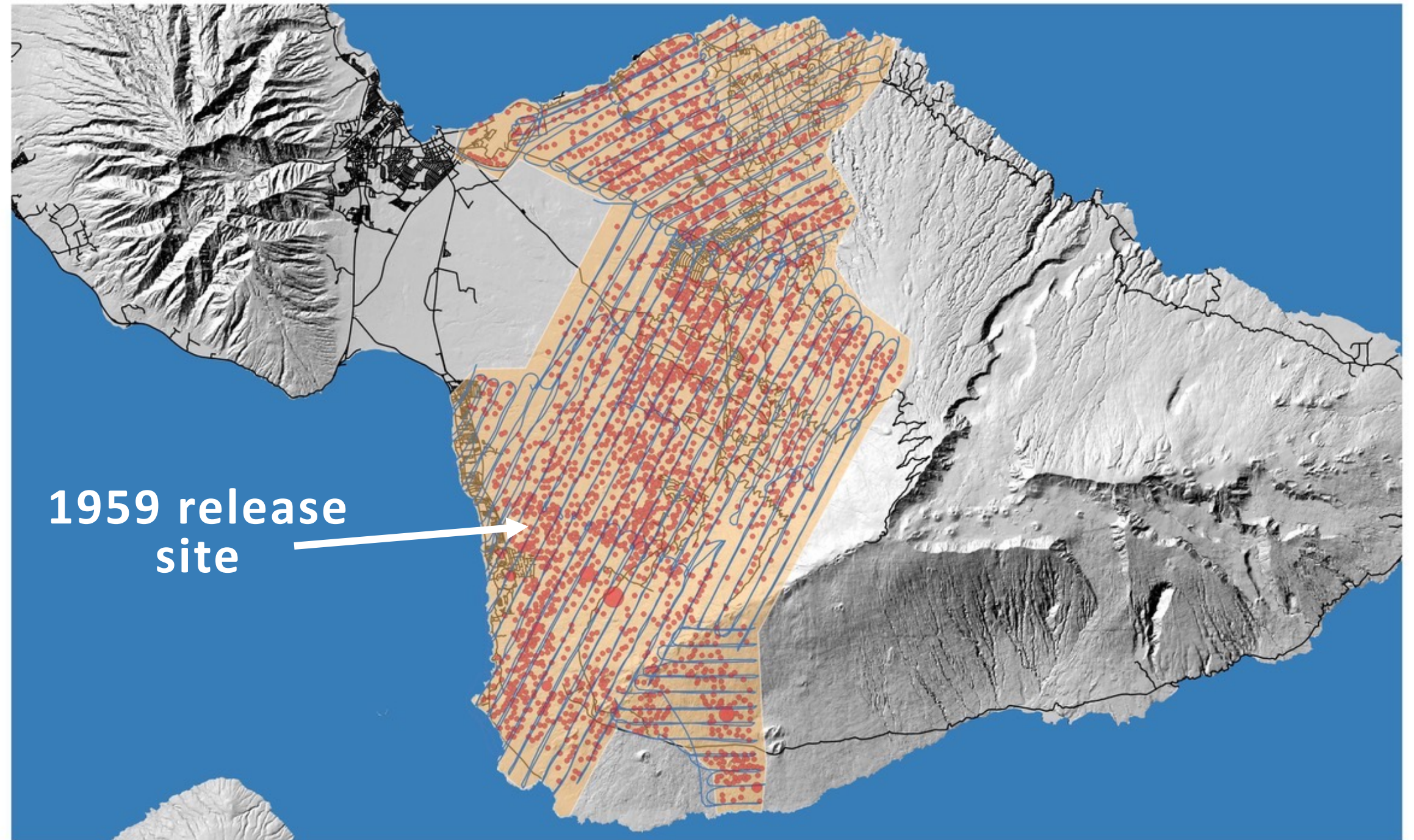
Division of Forestry & Wildlife



Invasive Species Info Briefing
January 26, 2024

Population estimates

- 1959: 9 deer, released near Pu'u o Kali
- 2021: >46,743 deer, KIA Hawaii Survey



Total Survey Area ~147,483 acres
Total Deer Count 46,743

0 2.5 5 mi

Count (# Deer)

• 1 - 251
• 251 - 501

• 501 - 750
• 750 - 1000

Completed Survey (147,483 Acres)
Completed Transects



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Impacts

Watersheds

Native ecosystems

Farms, ranches

Residential

Roadways, runways

Marine ecosystems



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POPULATION MANAGEMENT

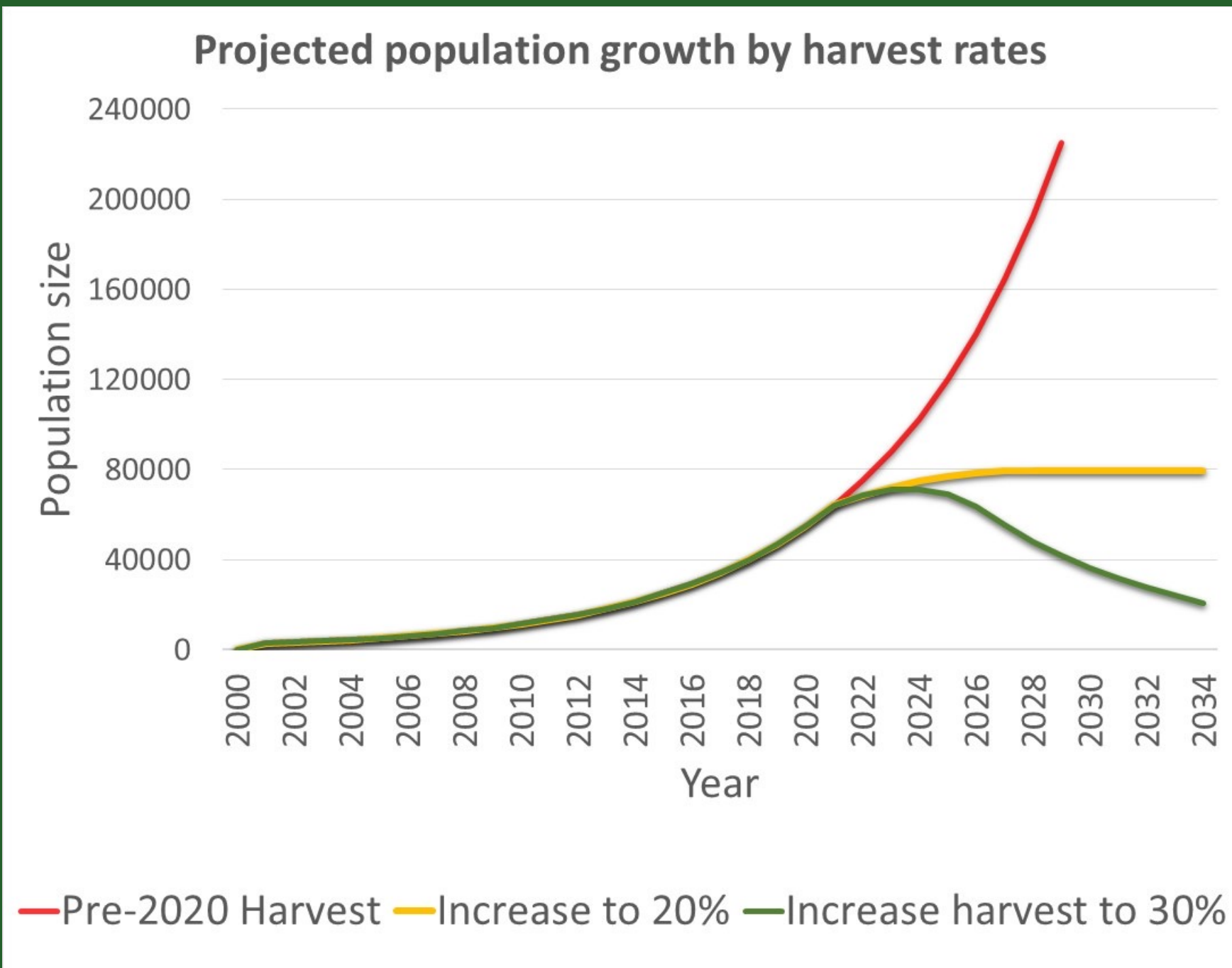
Harvest target

Estimated population = 60,000

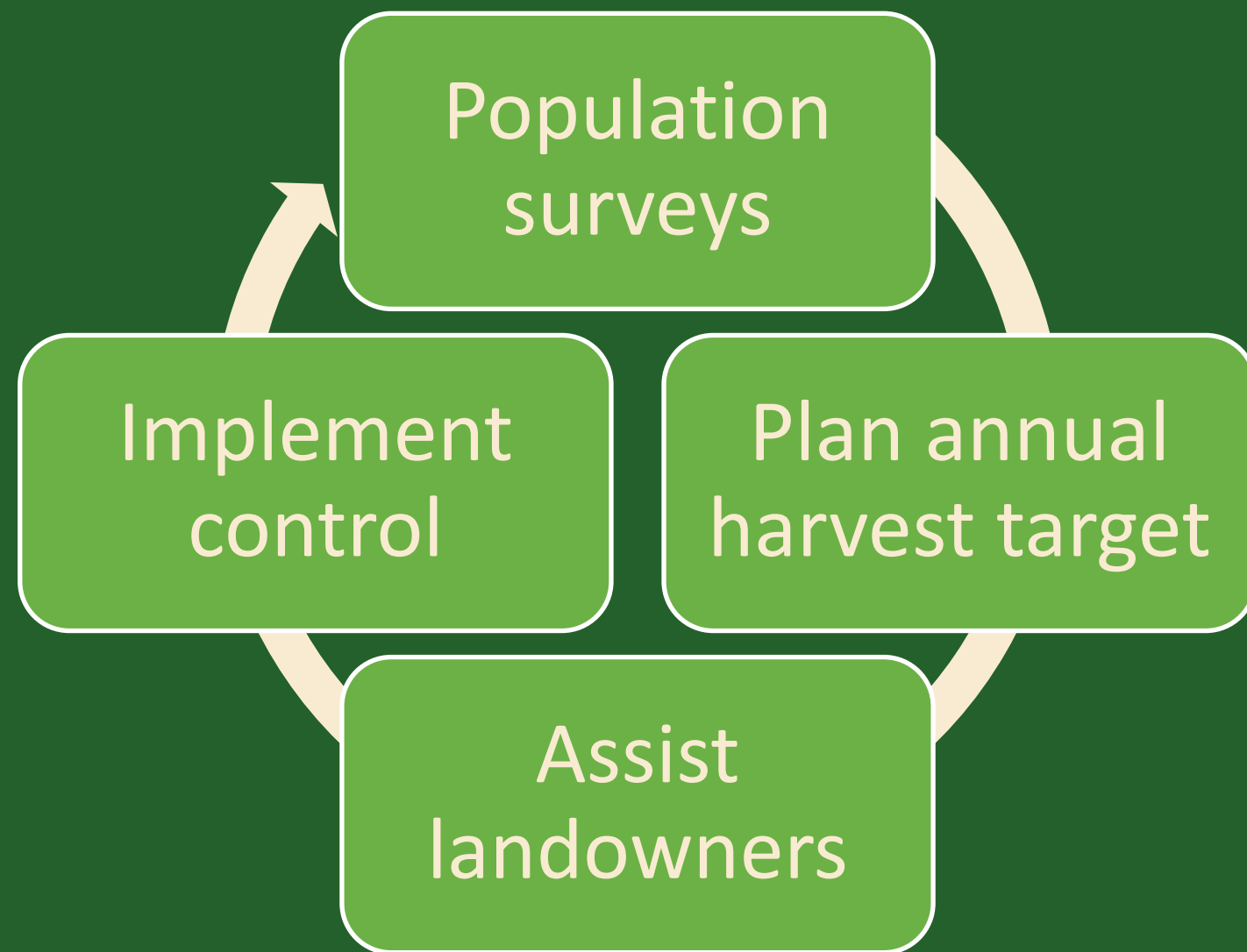
Est. rate of increase = 20%

Harvest to stabilize = 12,000/year

Harvest to reduce = 18,000/year



STRATEGY & METHODS



Maui Axis Deer Task Force

Surveys and monitoring

Spatial planning & containment

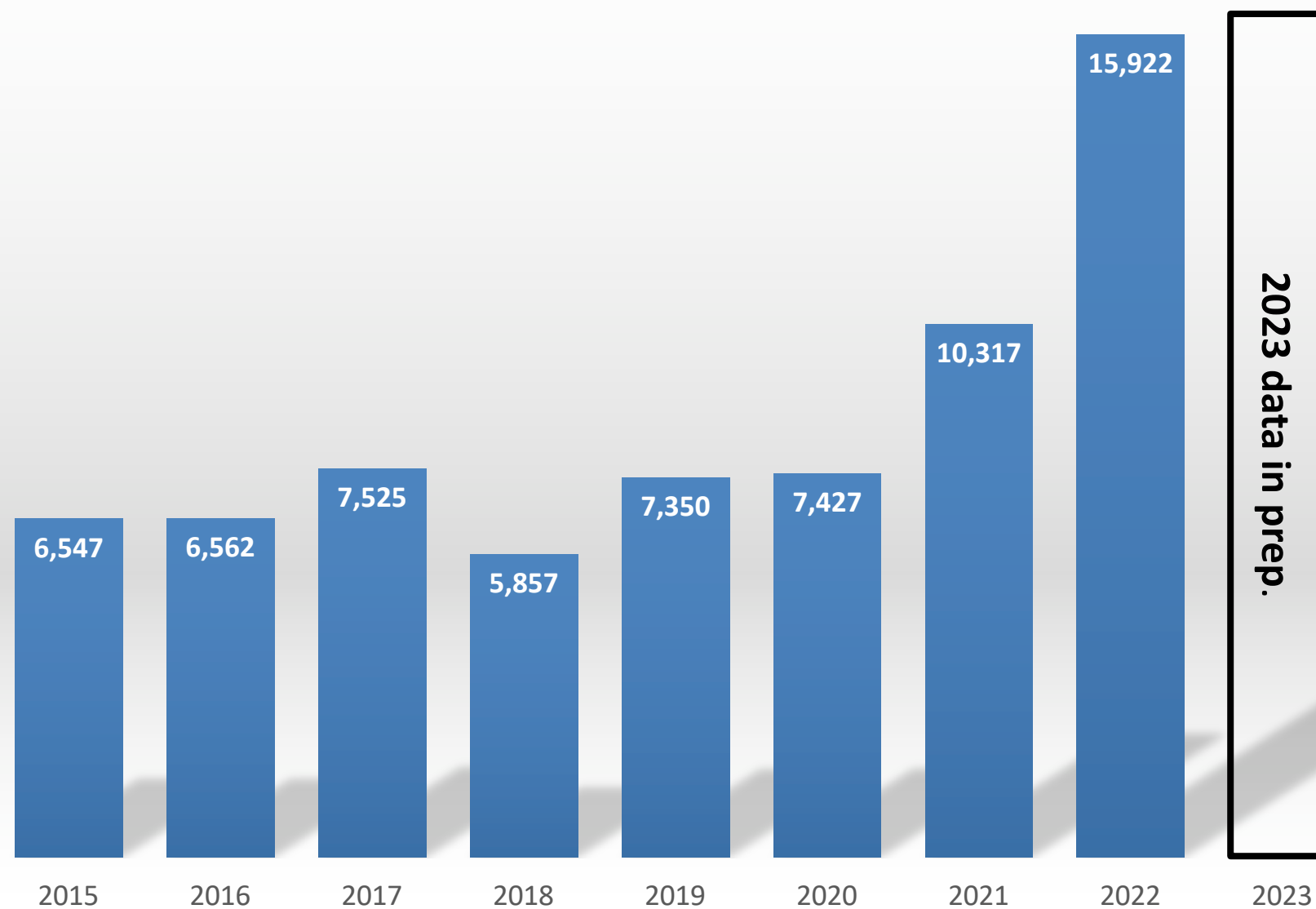
Landowner assistance

- Public hunting
- Wildlife control permits
- Commercial & food donation
- Fencing, trapping, staff

Adaptive management

WORK IN PROGRESS

Maui Island Deer Harvested by Year



Maui harvest levels near target

Hired 3 FTE axis deer coordinators

Draft Axis Deer Action Plan

Population surveys in progress

Fencing and containment

New 5,000-acre upcountry cooperative hunting area

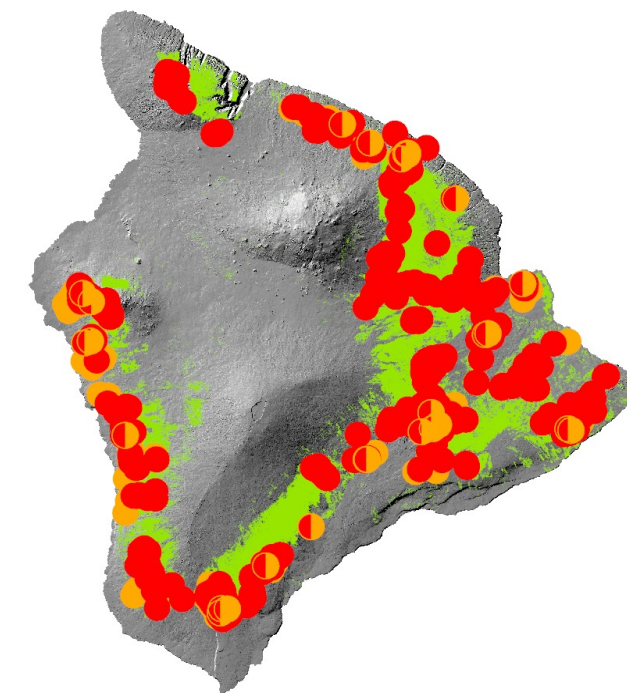
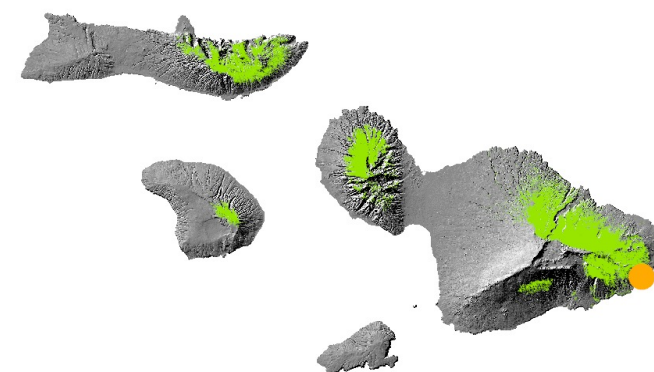
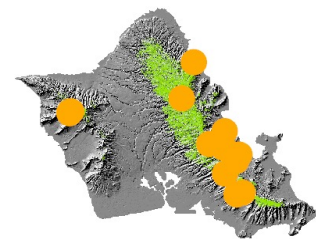
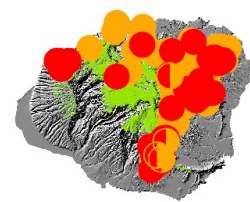
Molokai surveys and action plan in 2024

Rapid 'Ōhi'a Death

Surveys

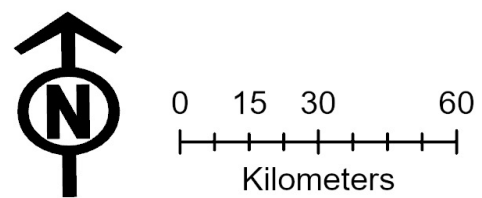


Hawai'i Statewide ROD Detections



Confirmed ROD Detections

- *C. lukuohia*
- *C. huliohia*
- Both Species
- 'Ōhi'a Forest



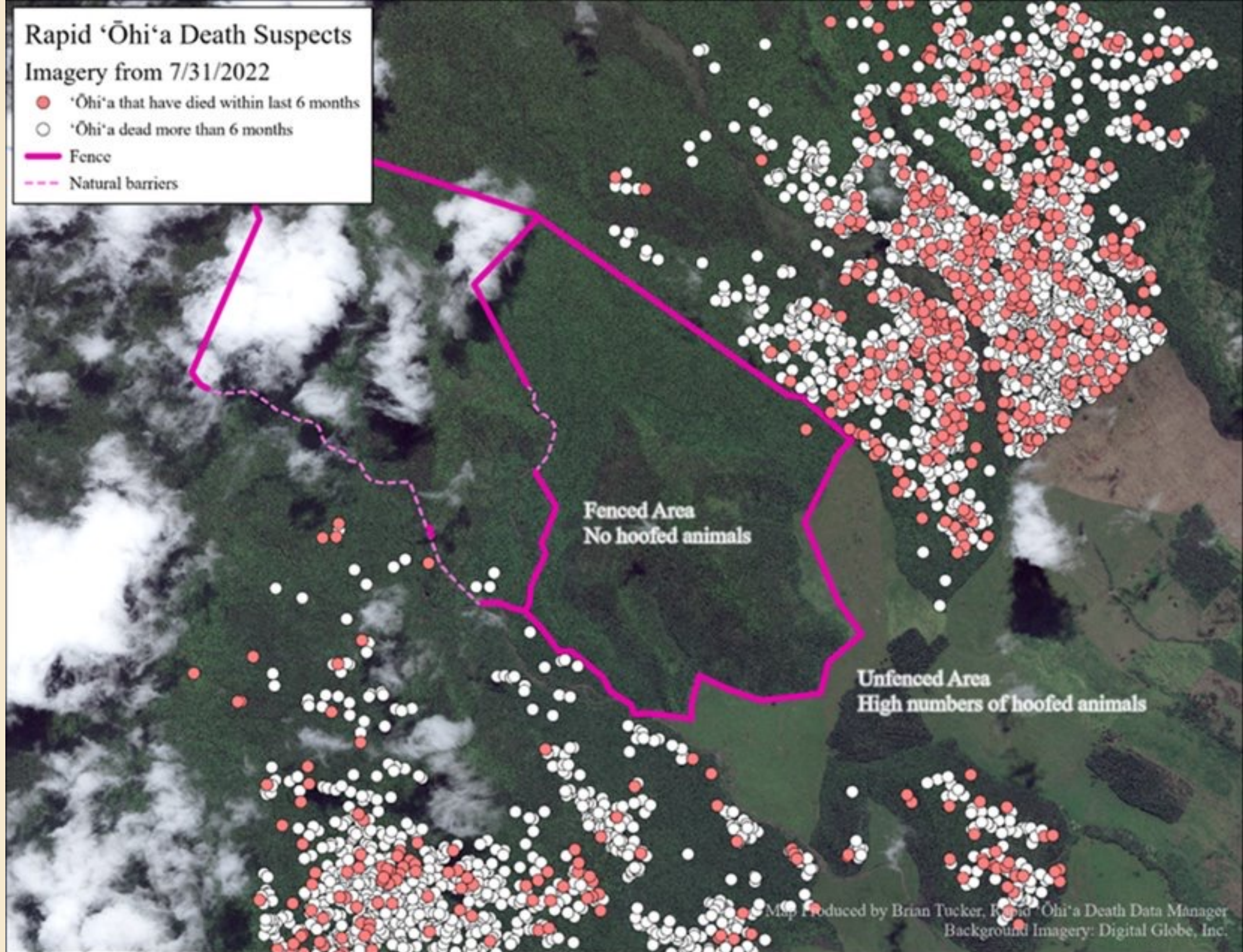
Map Produced by: Brian Tucker, Rapid 'Ōhi'a Death Data Manager
Imagery Source: State of Hawaii



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Interactions with Feral Animals

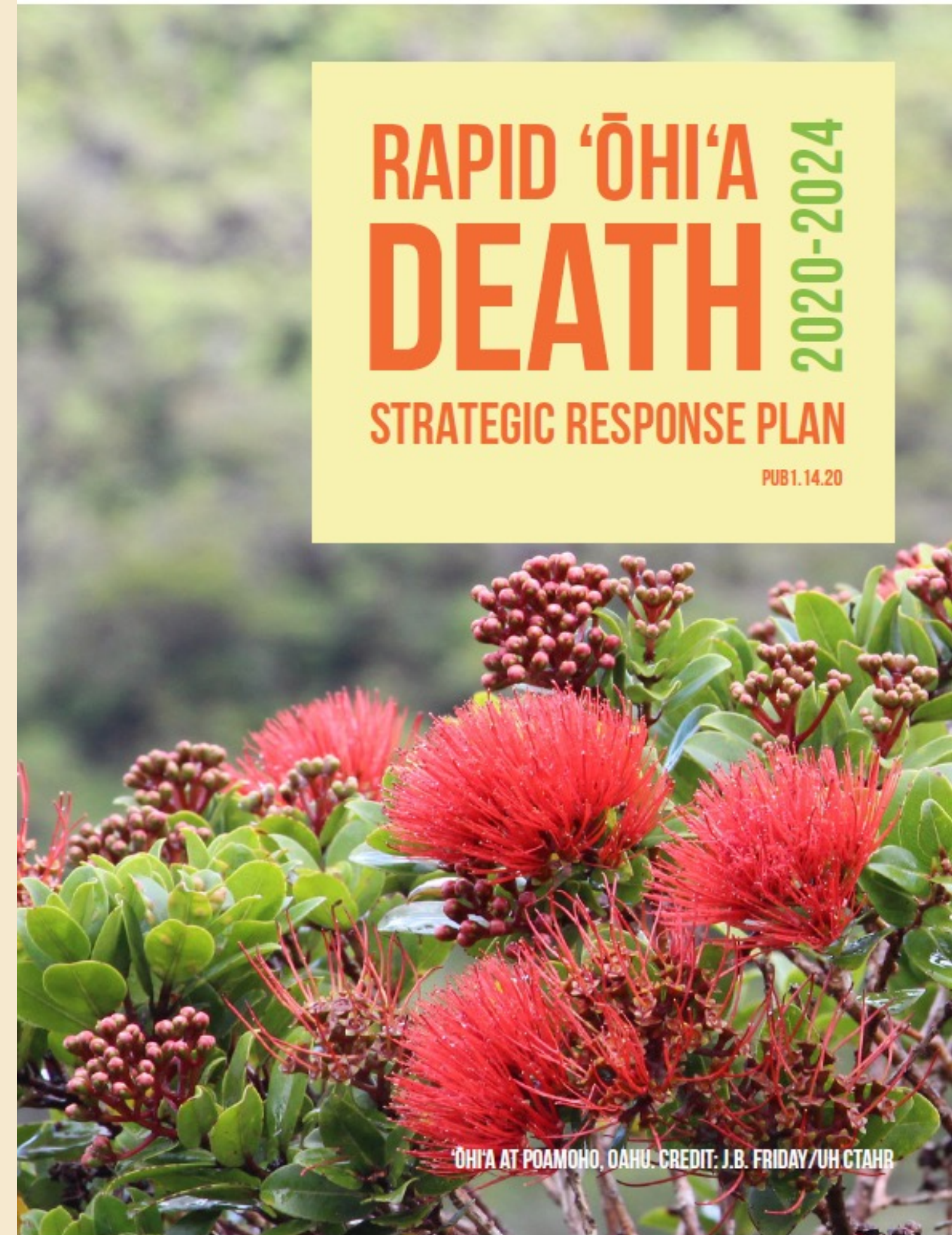


Rapid 'Ōhi'a Death: FY24-25

- Research Symposium
- Update to multi-agency plan
- Disease resistance screening of 1000's of 'Ōhi'a seedlings

**RAPID 'ŌHI'A
DEATH** 2020-2024
STRATEGIC RESPONSE PLAN

PUB1.14.20



'ŌHI'A AT POAMOHO, OAHU. CREDIT: J.B. FRIDAY/UH STAHR



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Fire Management and Invasive Grasses



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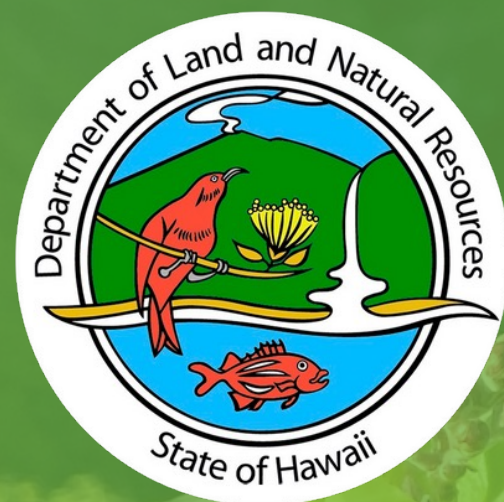
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Fire Management FY25 Budget Request

- Fire Response
- Fuels management
- Restoring Resilient
Landscapes



**Mahalo.
Questions?**



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