

KA HOʻĒMI 'ANA I NĀ KIA "AXIS" (ADEPT-1(8))

AXIS DEER MANAGEMENT (ADEPT-1(8))

Pūlama Lāna'i

AUGUST 07, 2025



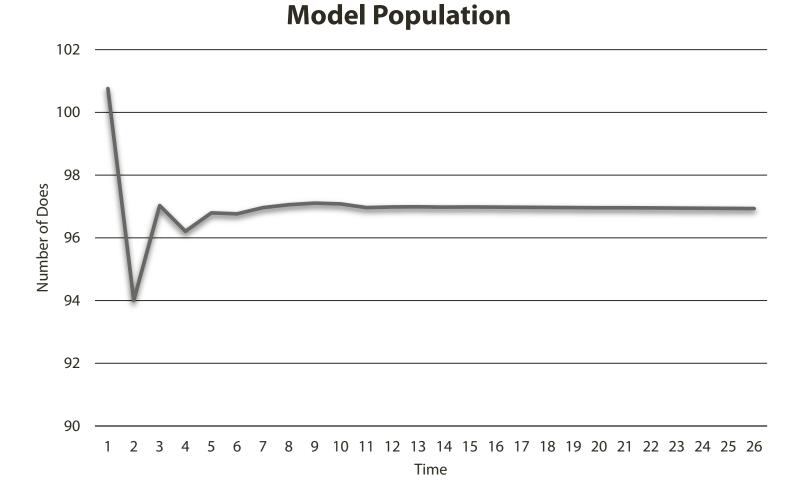
WHY ARE DEER CHALLENGING?

Estimated number of feral tigers in Hawai'i in 2025 = 0



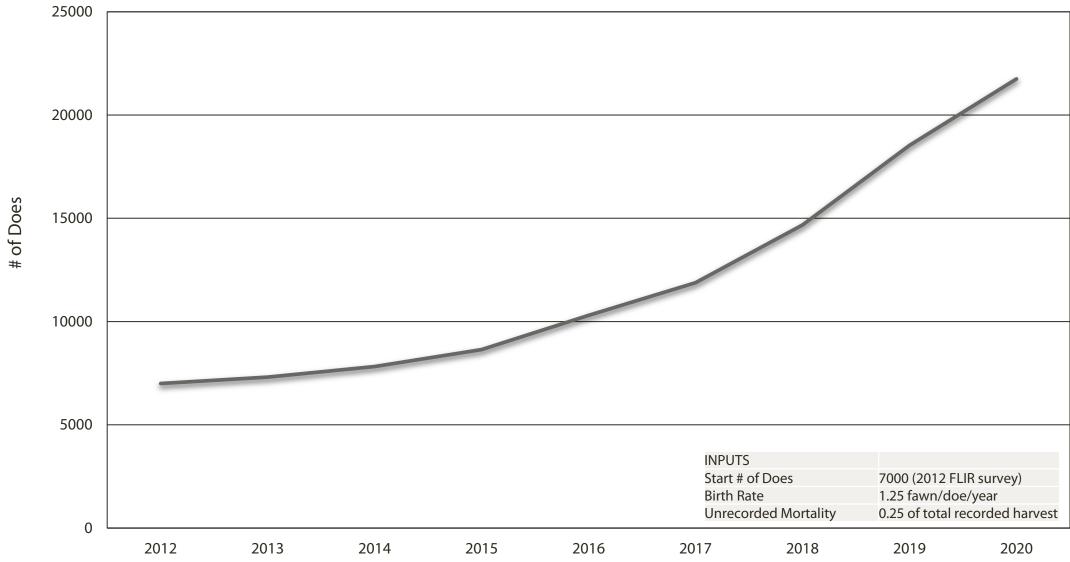
WHY ARE DEER CHALLENGING?

~35% annual doe mortality

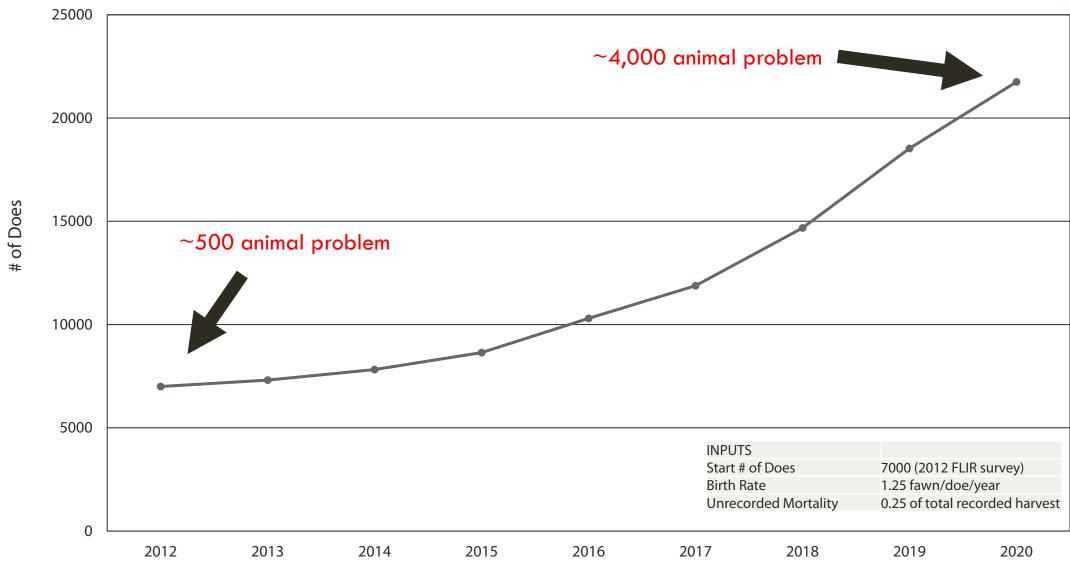




WHY MONITOR?



WHY MONITOR?



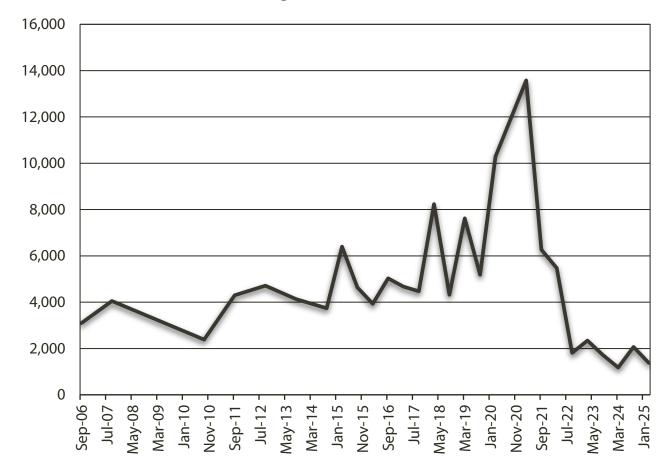
CURRENT MONITORING

Helicopter Survey Protocol

- Island-wide survey
- Every 6 months
- Visual count, 500ft either side.

Can **infer** long term trends ... but not actual numbers.

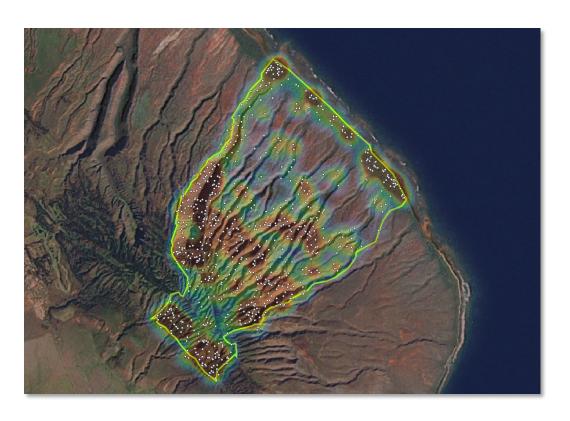
Helicopter Deer Index





REFINING THE TECHNIQUE





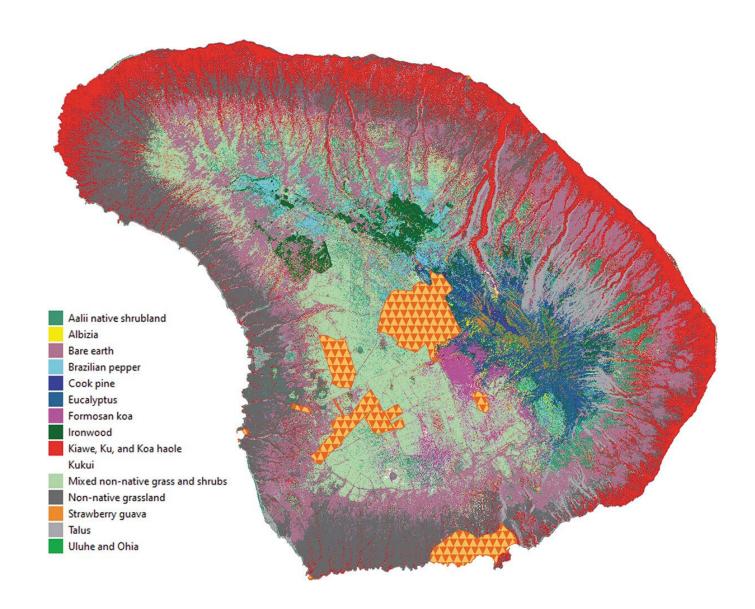
Game camera study

Drone based thermal study

21.4 - 32.2 ungulates/km²

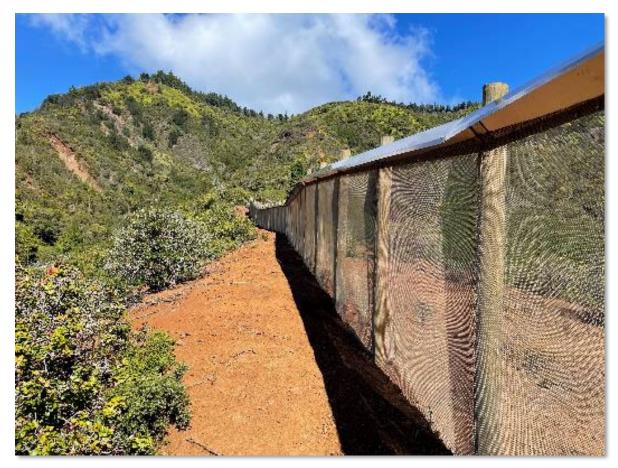


MONITORING RESPONSE





UNGULATE MANAGEMENT TOOLKIT





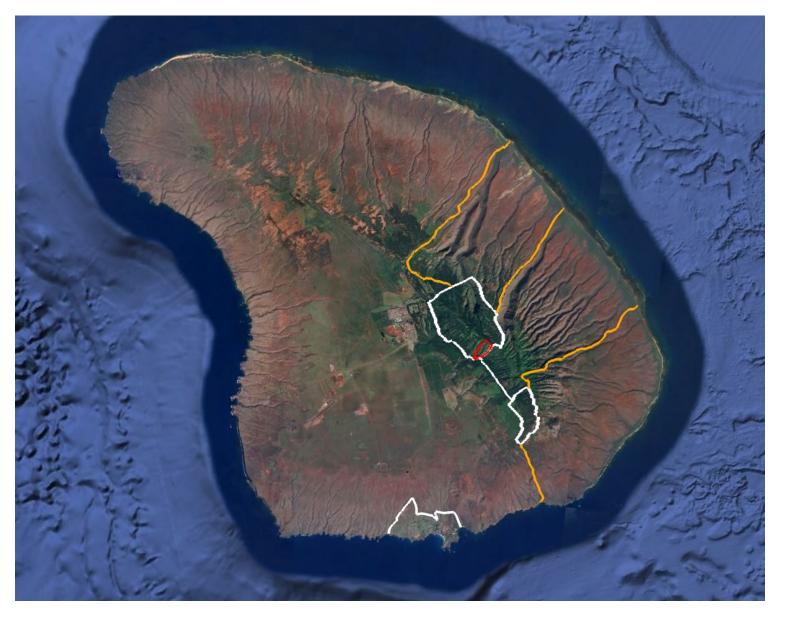
Fences Harvest



FENCES

16 miles of existing fence (white lines)

17 miles of planned fencing, half of which is funded





HULOPO'E-MĀNELE FENCE

Resources protected

- Multiple SHPD accepted Preservation Plans
- Hulopo'e Bay beach park
- Marine Life Conservation District
- 'Ua'u kani colony
- Resort and Amenities

\$1.5 million invested in construction of fenceline. Investments continue with ongoing deer removal and fence maintenance.





USDA HARVEST

Twice a month
150-200 deer/year
On-island consumption at
Resorts and Restaurants
Expensive



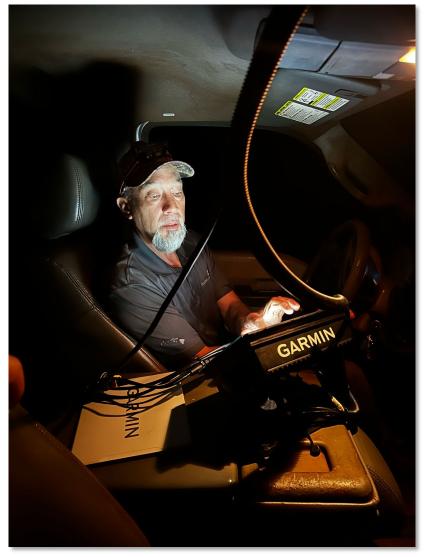




PROFESSIONAL CONTROL

Ground-based night control
Focused in fenced units
Focused on does
~300 deer in 2024
Meat donated to public whenever possible







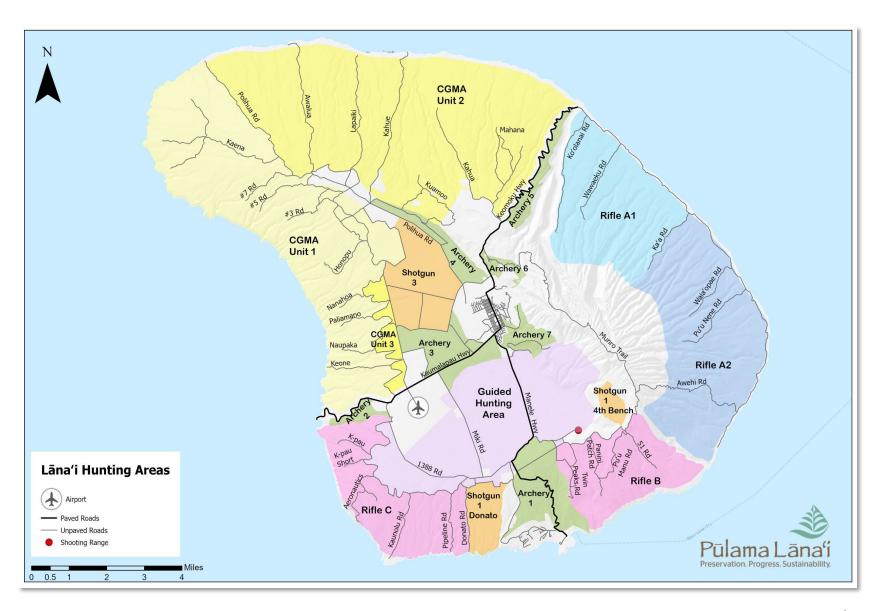
HUNTING

~66% of Lāna'i is actively hunted

365 days per year

Community, public, and guided hunts

>2,900 deer harvested annually





INCENTIVIZING HARVEST

USDA-FSIS is an excellent partner, but any way of making the voluntary inspections less expensive would be helpful.

Establishing mechanisms for hunters to donate or sell venison safely.

Currently, fisherman can sell their fish to restaurants for sale, often featured as "specials" for the night with a story about the fisherman. How great it would be to share stories about our hunters?



ME KE MAHALO NUI IĀ 'OUKOU

















ADEPT Committee

From: Keiki-Pua Dancil <kdancil@pulamalanai.com>

Sent: Wednesday, August 6, 2025 4:56 PM

To: ADEPT Committee
Cc: Jonathan Sprague

Subject: ADEPT-1(8) and ADEPT-1(9) Presentations for Pūlama Lāna'i

Attachments: ADEPT -1(8) Axis Deer Mitigation_Pulama Lanai 07AUG25.pdf; ADEPT -1(9) Maui County

Biosecurity_Pulama Lanai 07AUG25.pdf

Aloha kākou,

Mahalo for the opportunity to share the attached presentations at tomorrow's ADEPT committee meeting.

We (Jonathan and I) will be attending remotely via Teams. I will present the first two slides, and Jonathan will present the remaining slides for each agenda item.

We will share the slides from our computer.

Mahalo, ksd



Keiki-Pua S. Dancil, Ph.D.
Senior Vice President of Government Affairs & Strategic Planning
733 Bishop Street, Suite 1500 | Honolulu, Hawai'i 96813
Tel 808 237 2216 | Cell 808 347 8280 | Fax 808 566 6927
www.pulamalanai.com | kdancil@pulamalanai.com

Confidentiality Notice: This email message, including any attachments, is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure, or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and permanently delete this transmission and destroy all copies of this communication and any attachments thereto. Thank you.