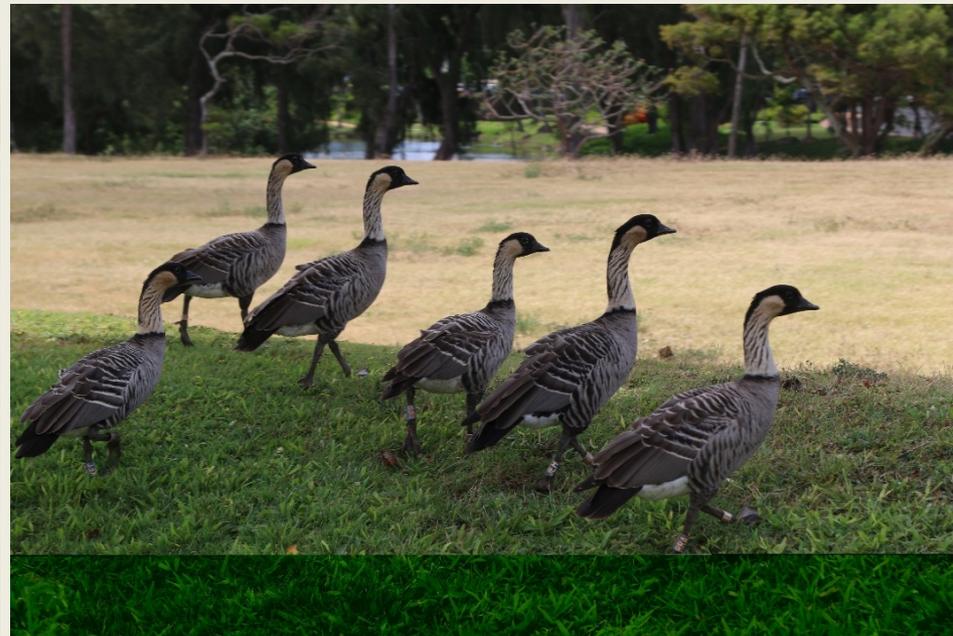


Dogs in the Toolbox: Using Border Collies for Non-Lethal Hazing of Hawaiian Geese

Chad Wickham – Wildlife Biologist



Species of Concern

Hawaiian Goose (Nēnē)



- Endemic to the Hawaiian islands, Nēnē were nearly hunted to extinction. Intensive conservation efforts have brought their populations up from critically endangered to vulnerable status.

Project Field Location

Līhu`e Airport, Kaua`i & the Hōkūala Timbers Resort



Project Mission

- Minimize/prevent Nēnē nesting at Hōkūala Timbers Resort
- Testing the use of border collies as a primary tool for non-lethal hazing of Nēnē
- To prevent bird and aircraft collisions (**public safety concern**)

The project began in the field on June 26th of 2019.



United States Department of Agriculture

The Team – 4 technicians, 4 dogs & 1 Wildlife Biologist





4 Short Videos during this part of the presentation

Other Hazing Methods



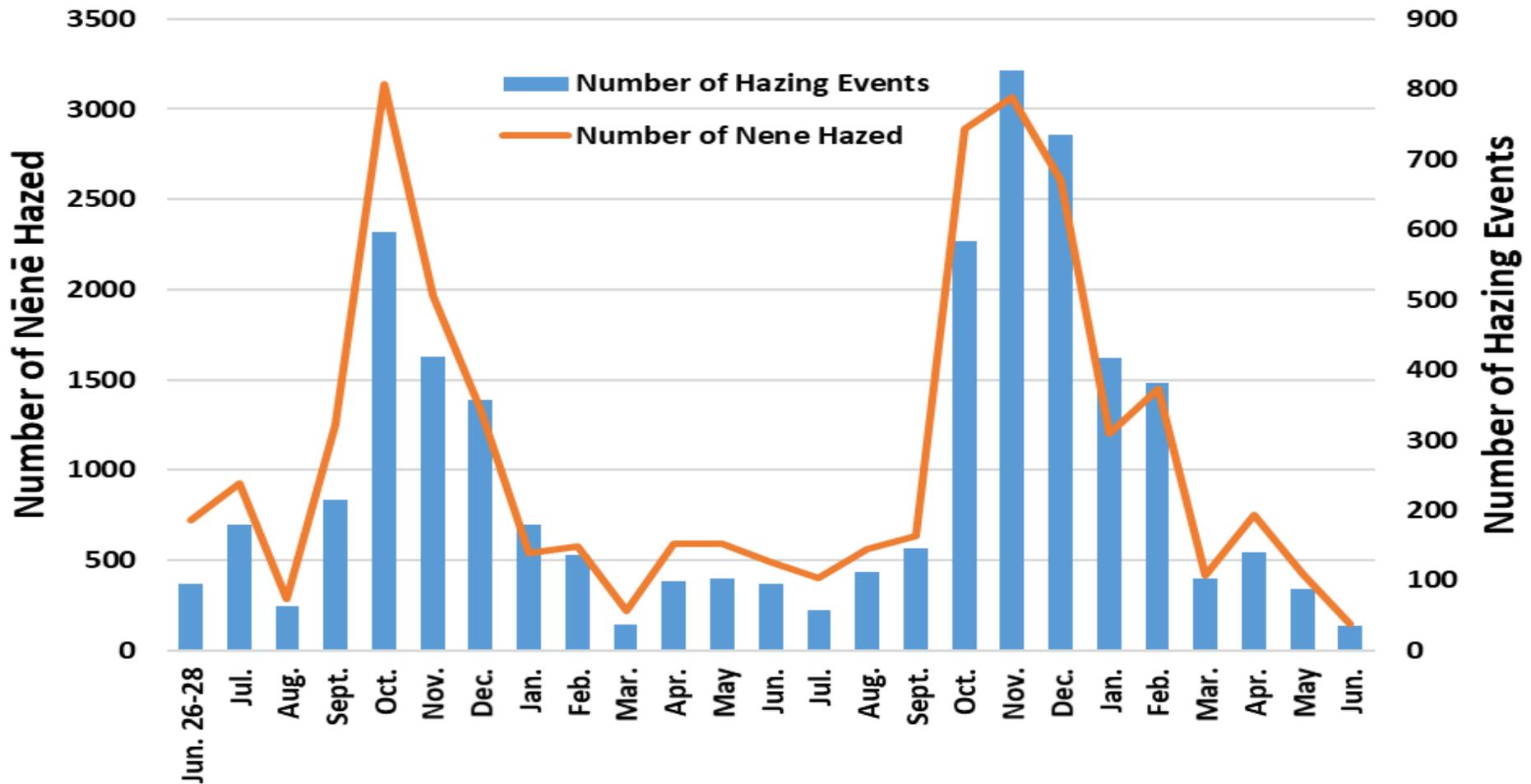
- UTV - Kawasaki Mule
- Human
- RV boat





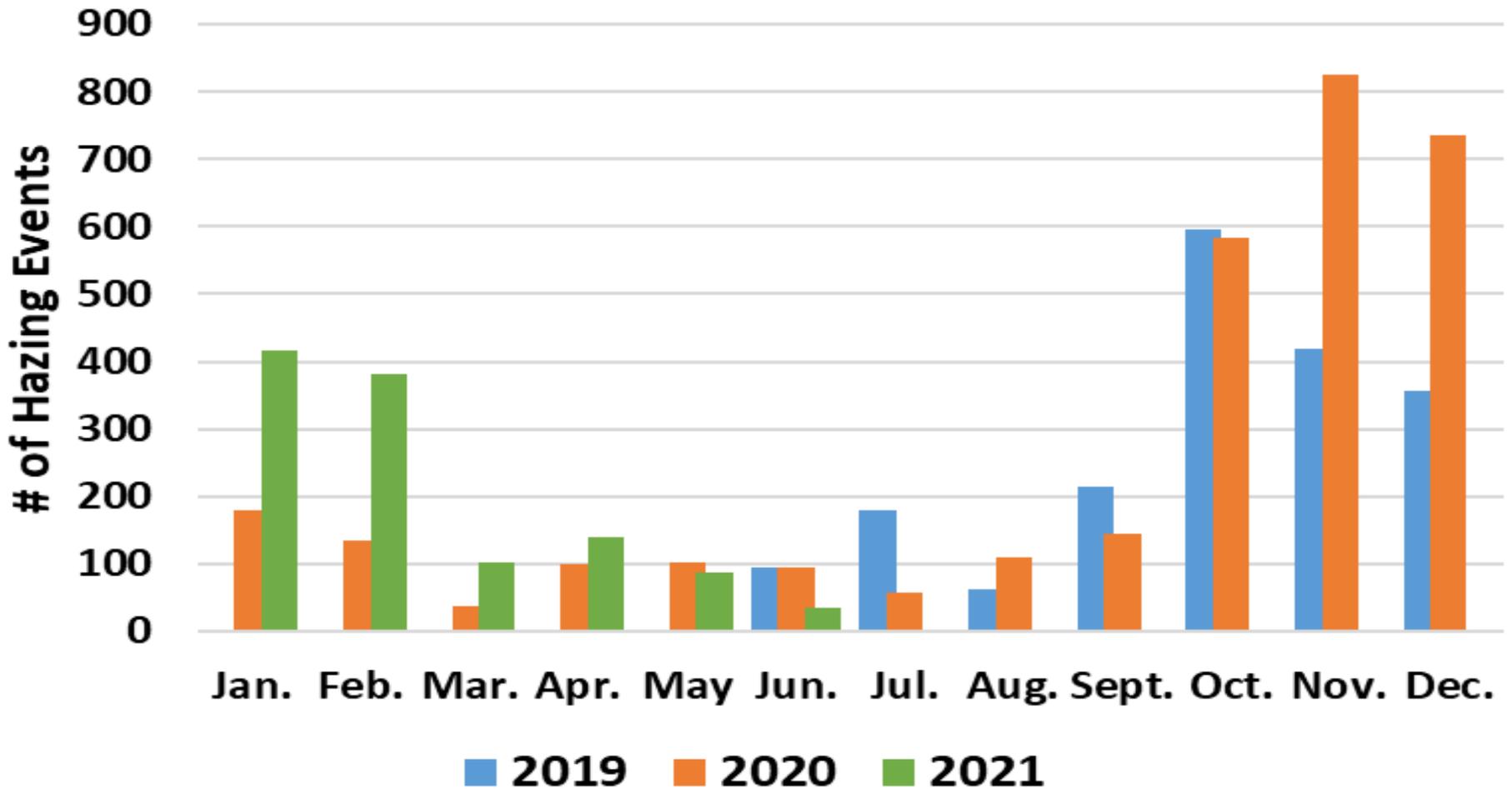
Data

Number of Hazing Events and Number of Nēnē Hazed Monthly



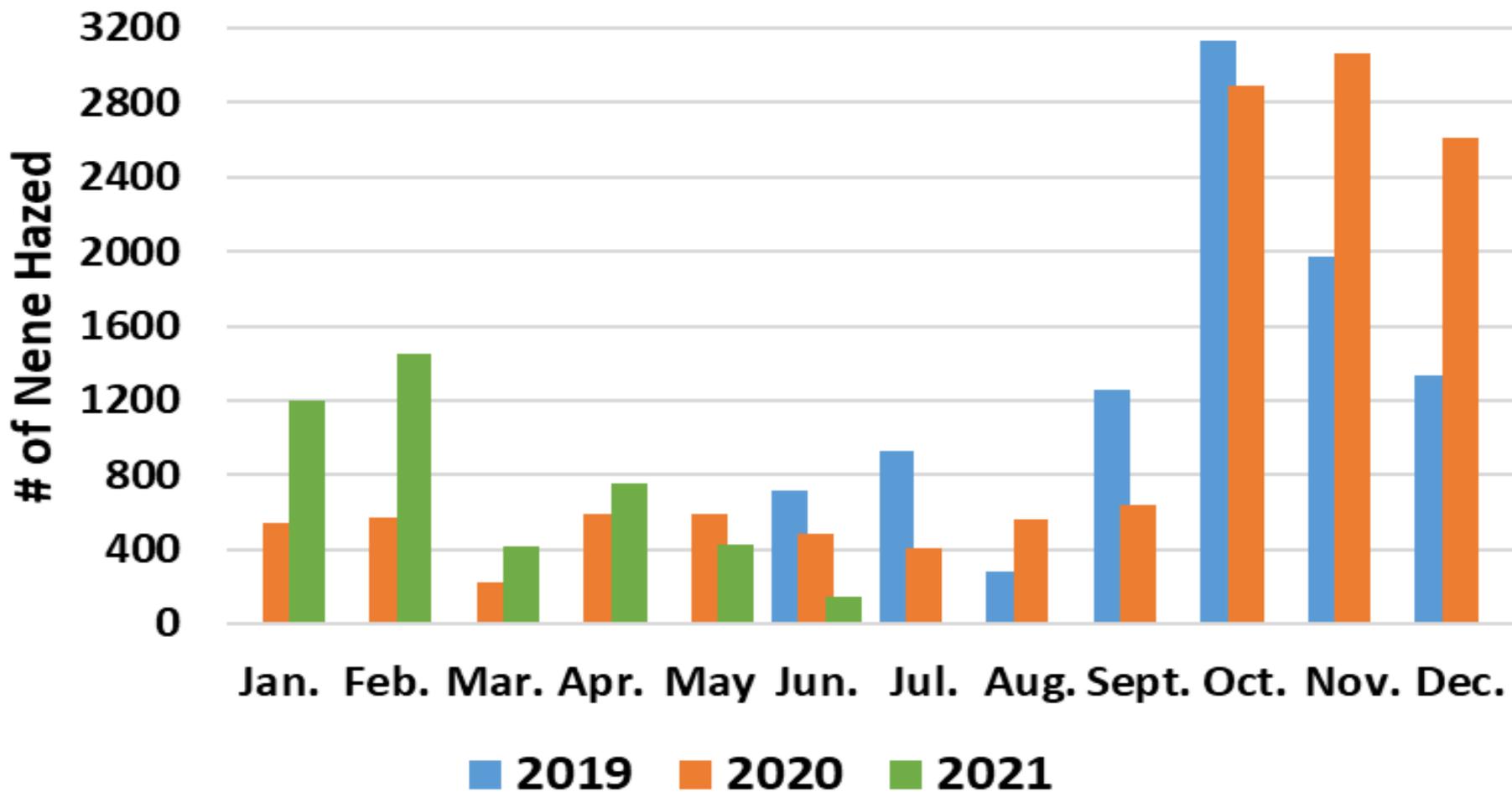
Data

Number of Hazing Events



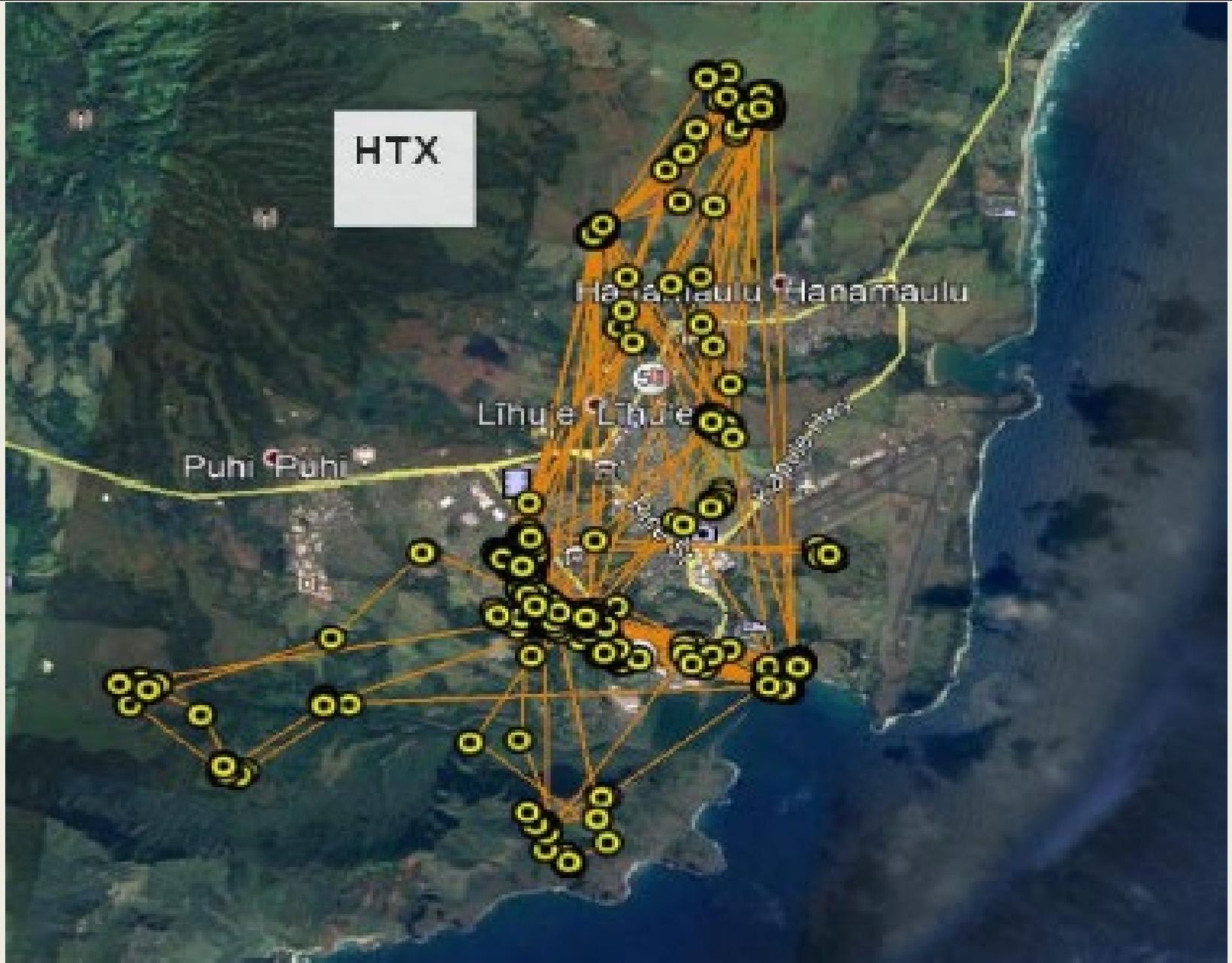
Data

Number of Nene Hazed



Additional Data Collection

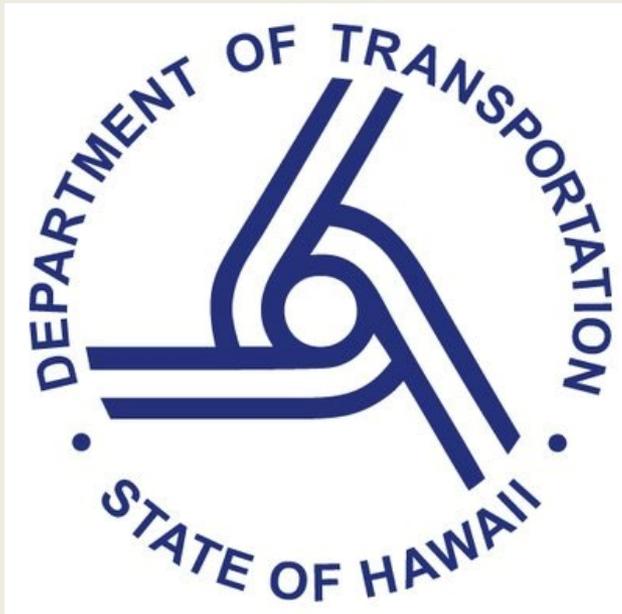
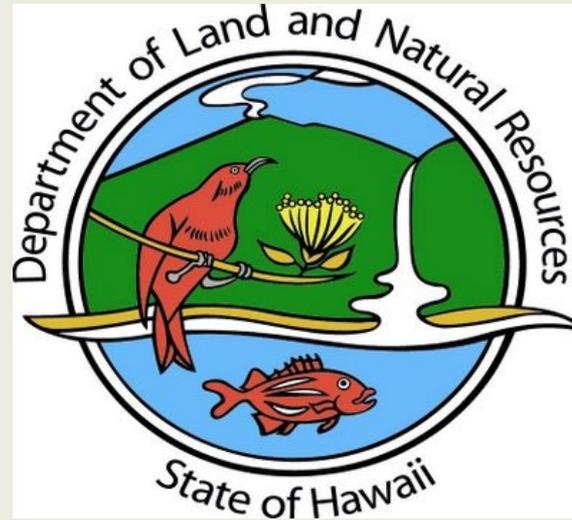






United States Department of Agriculture

Thank You to Our Cooperators



Wildlife Services

NWRC

National Wildlife Research Center