

## Readings for “Invasive Species Control at a Crossroads: Lessons from Hawai‘i”

### Directions

Answer the questions listed below while reading/viewing the sources shown below.

### Questions

*On Pejchar et al. 2020*

1. What was the paper’s goal?
2. Why did the authors attempt to achieve the goal?
3. How did the authors attempt to achieve the goal?
4. In your opinion, to what extent did the authors achieve their goal? Explain your answer using the paper’s content, tone, organization, literature coverage, etc.
5. Does the paper suggest that opinions on invasive species control vary among ecologists/conservationists? If yes, describe that variation and the names of folks associated with it.

*On the other sources*

6. Briefly describe the mission, participating partners (broad categories and specific examples), and methods of the Birds, Not Mosquitoes program (BNM).
7. Provide the Hawaiian names of two native bird species on which this program focuses.
8. To which taxonomic group of endemic Hawaiian species do the birds in the prior question belong? What proportion of these endemics are extant?
9. Why are BNM’s focal birds so susceptible to avian malaria?
10. Besides disease, which other common, broad threats to native species (i.e., habitat loss, overharvest, invasive species, pollution, and global climate change) are mentioned or shown?
11. What techniques for mosquito control are currently in use and planned for the very near future on Kaua‘i?
12. Is the planned technique from the last question already in use in the US? If yes, where?
13. Why have high elevation forests protected birds from avian malaria until recently and how/why has this protection changed in recent years?
14. For what organizations do Cali Crampton and Hanna Mounce work? In what sense is their work complementary?
15. How does the Kōke‘e Resource Conservation Program attempt to protect native biodiversity on Kaua‘i? In other words, what is the Program’s general approach and who does the majority of the work?

### Sources

Birds, Not Mosquitoes. 2023. Birds, Not Mosquitoes. Available at

<https://www.birdsnotmosquitoes.org/> (watch video called Vanishing Voices on mainpage & read links under About header and under Techniques header; accessed 19 November 2024).

Kōke‘e Resource Conservation Program. 2023. About us. Available at

<https://www.krcp.org/about> (accessed 3 January 2024).

Pejchar, L., CA Lepczyk, JE Fantle-Lepczyk, SC Hess, MT Johnson, CR Leopold, M Marchetti, KM McClure, AB Shiels. 2020. Hawai‘i as a microcosm: advancing the science and practice of managing introduced and invasive species. BioScience 70:184-193.