



POPULATION



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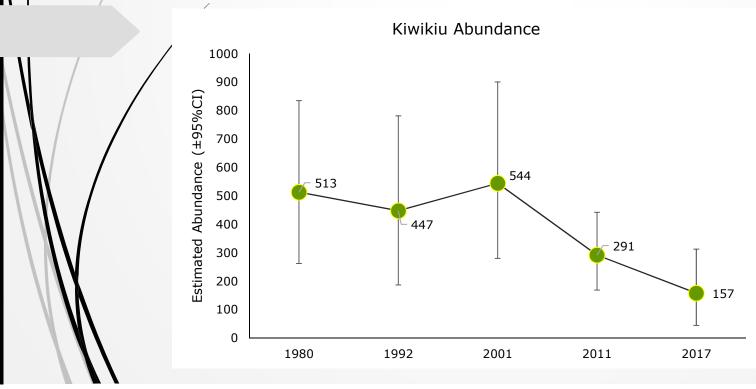
Kiwikiu (Maui Parrotbill; Pseudonestor xanthophrys)

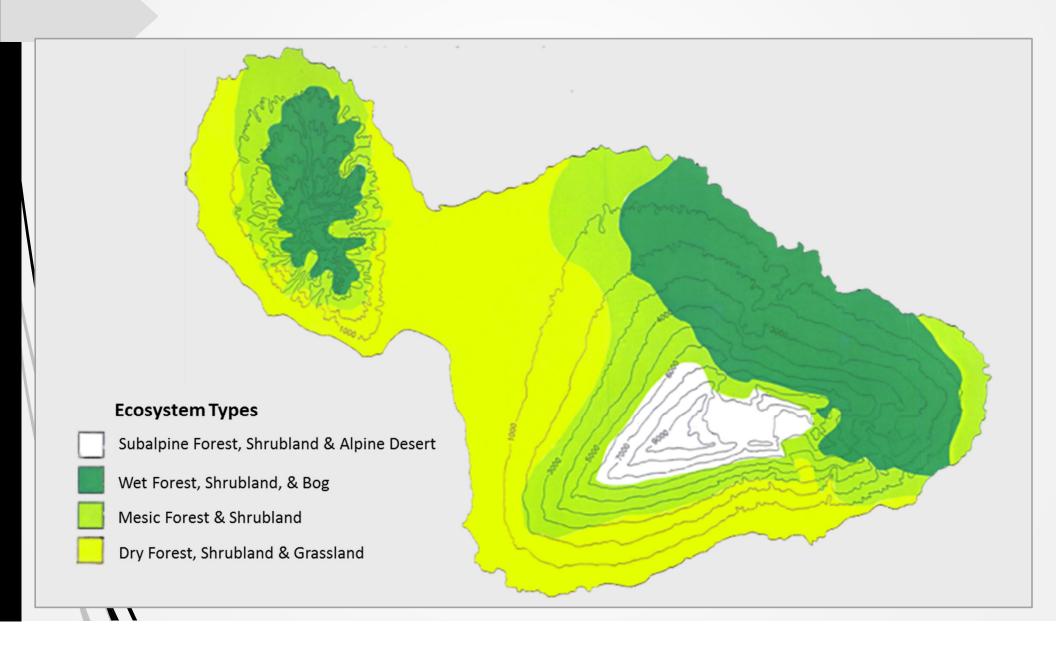
- critically endangered
 - insectivorous
- Hawaiian honeycreeper

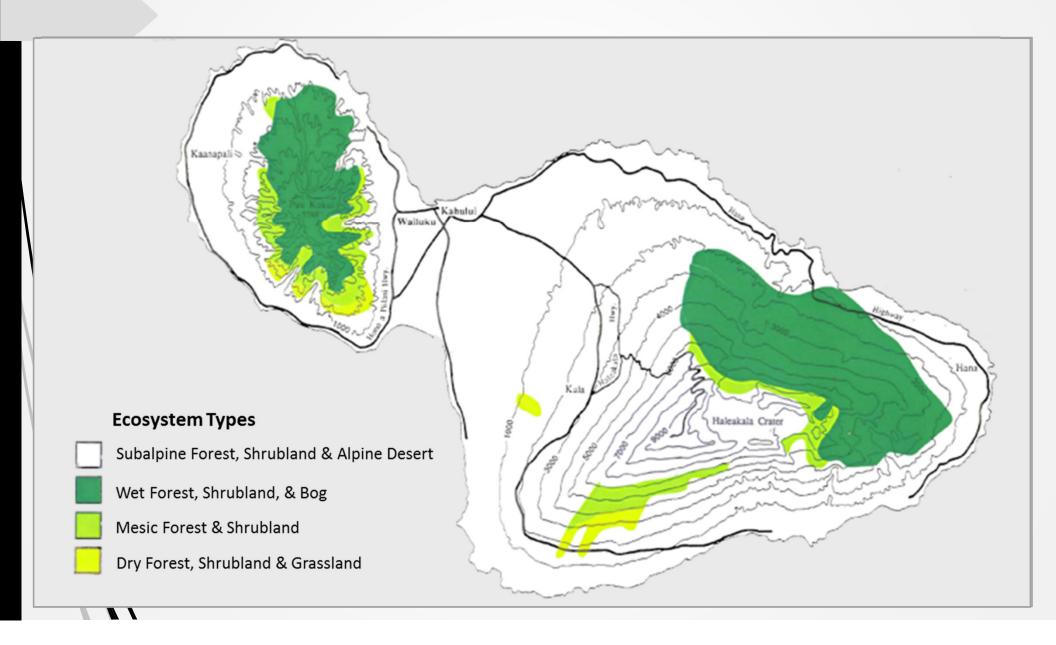
Population estimates reveal **continued decline** even in protected habitats with **<3 | 2 individuals** left in the wild.

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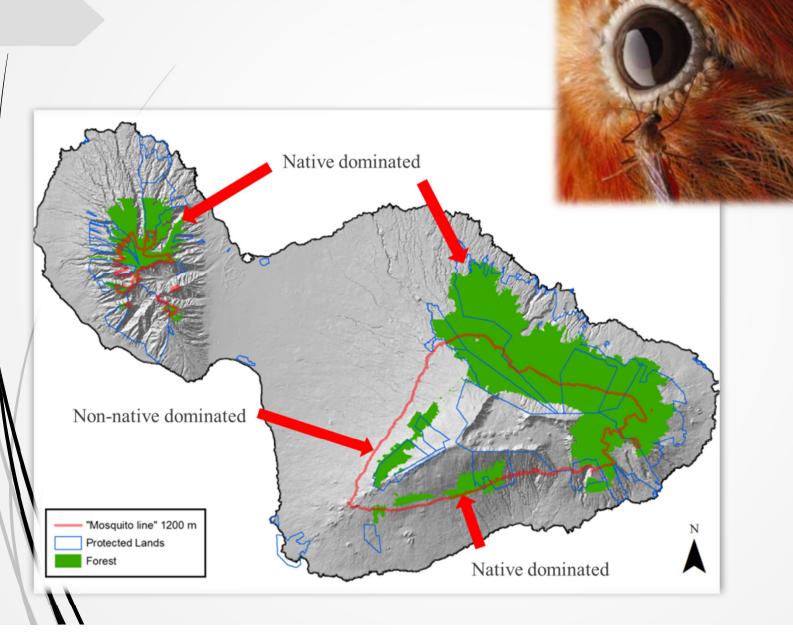


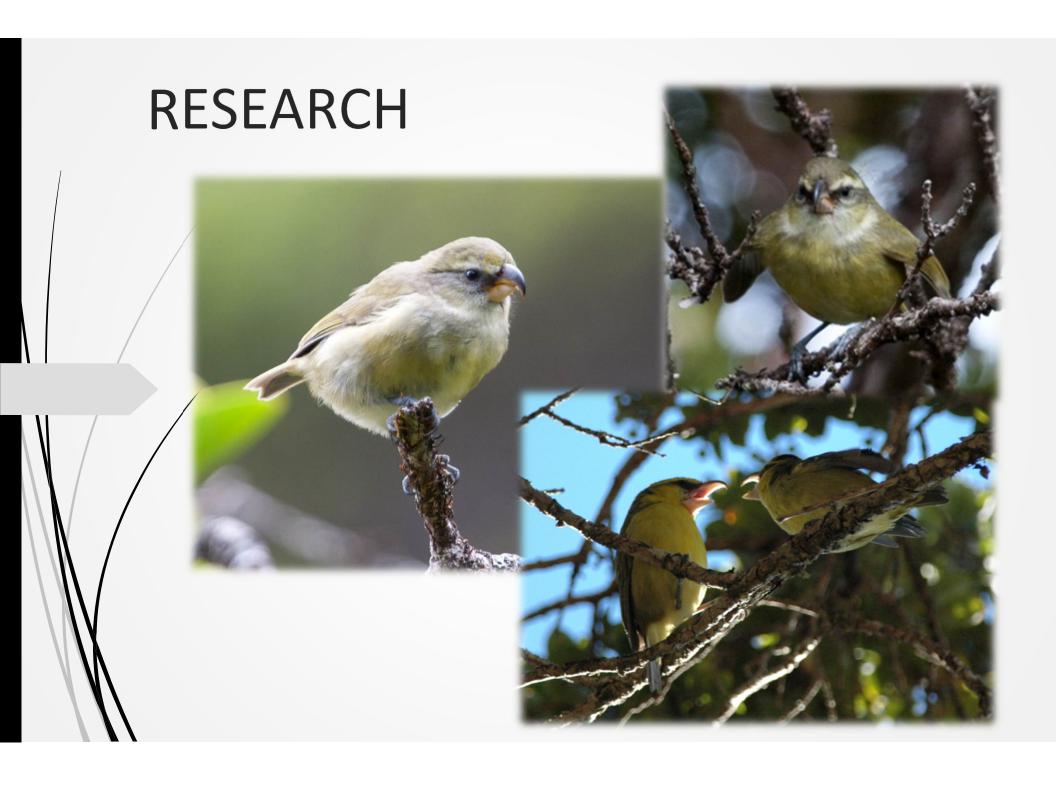








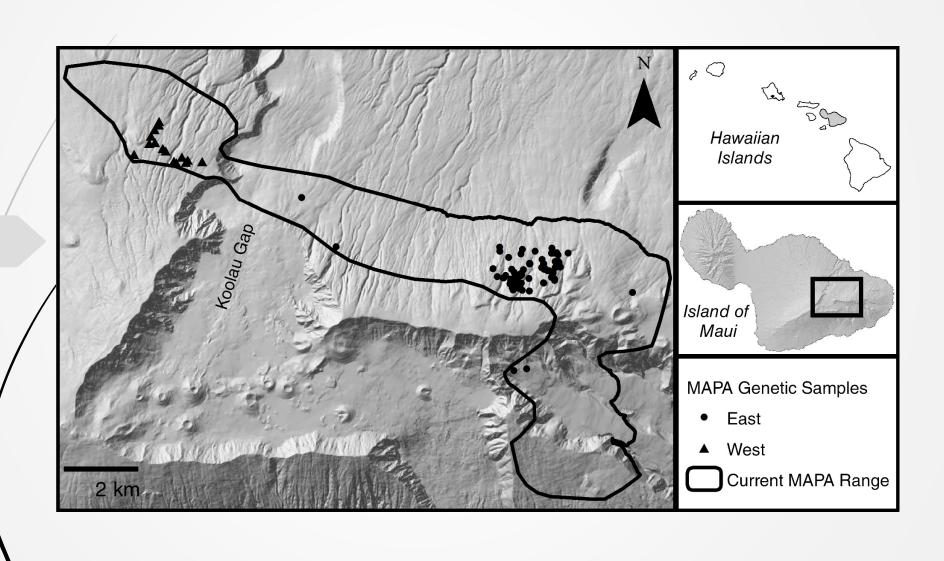




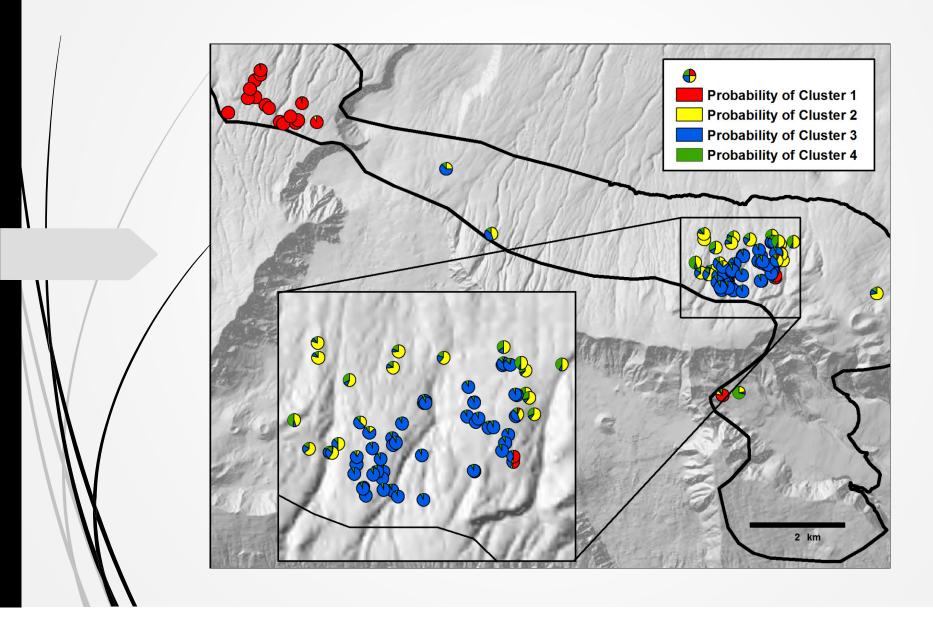
RESEARCH

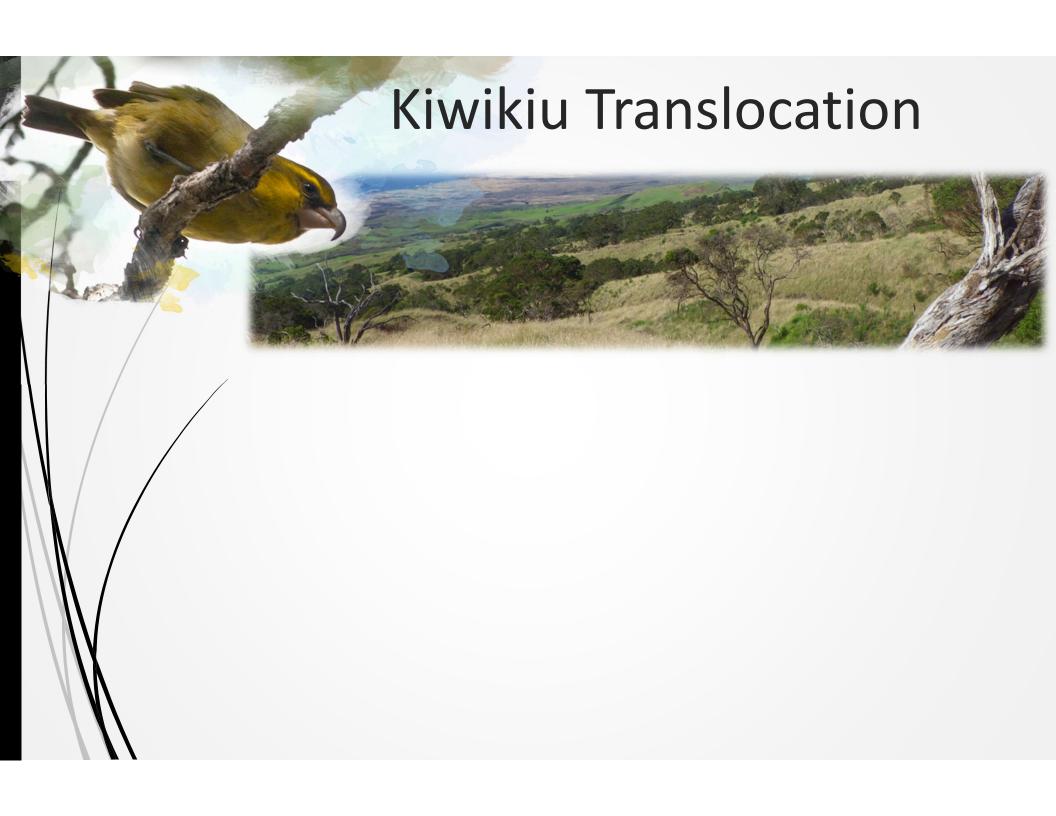
- Productivity studies
 - Habitat "full"
 - Low productivity given species biology
 - Nests are failing in heavy weather events
- Survival studies
 - High adult survival
 - Low juvenile survival/recruitment
- Productivity limited by weather Habitat
- Survival limited by space available Habitat

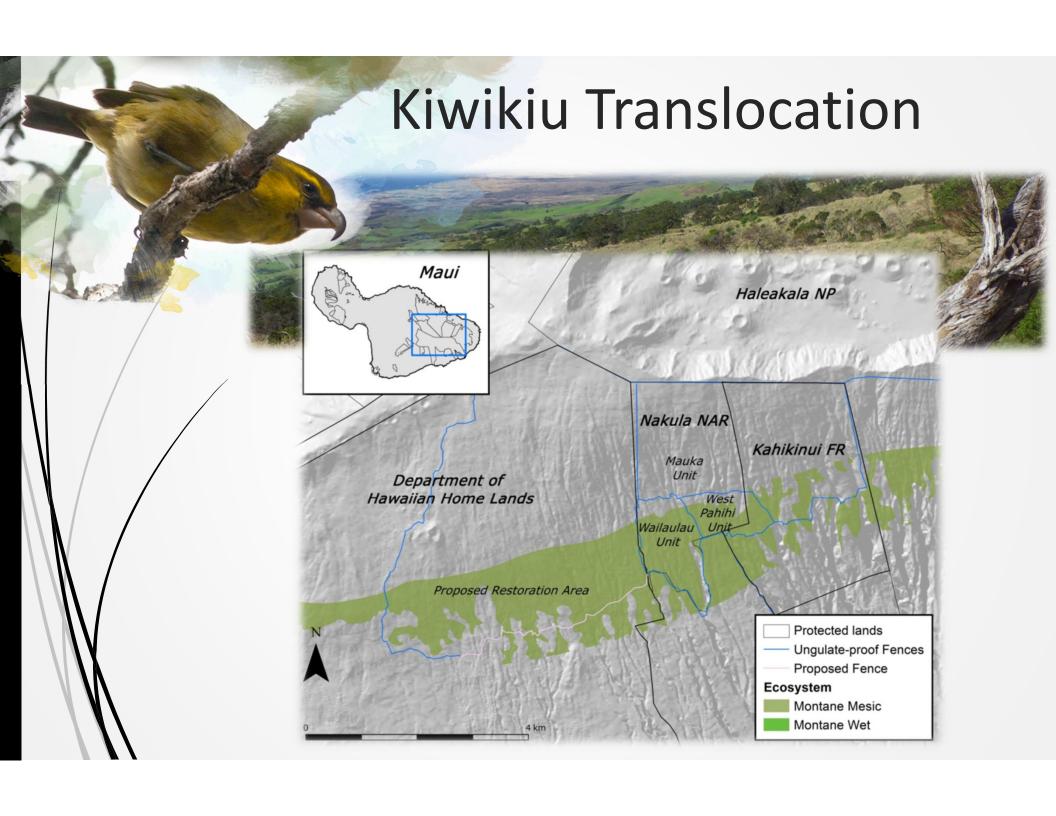
RESEARCH

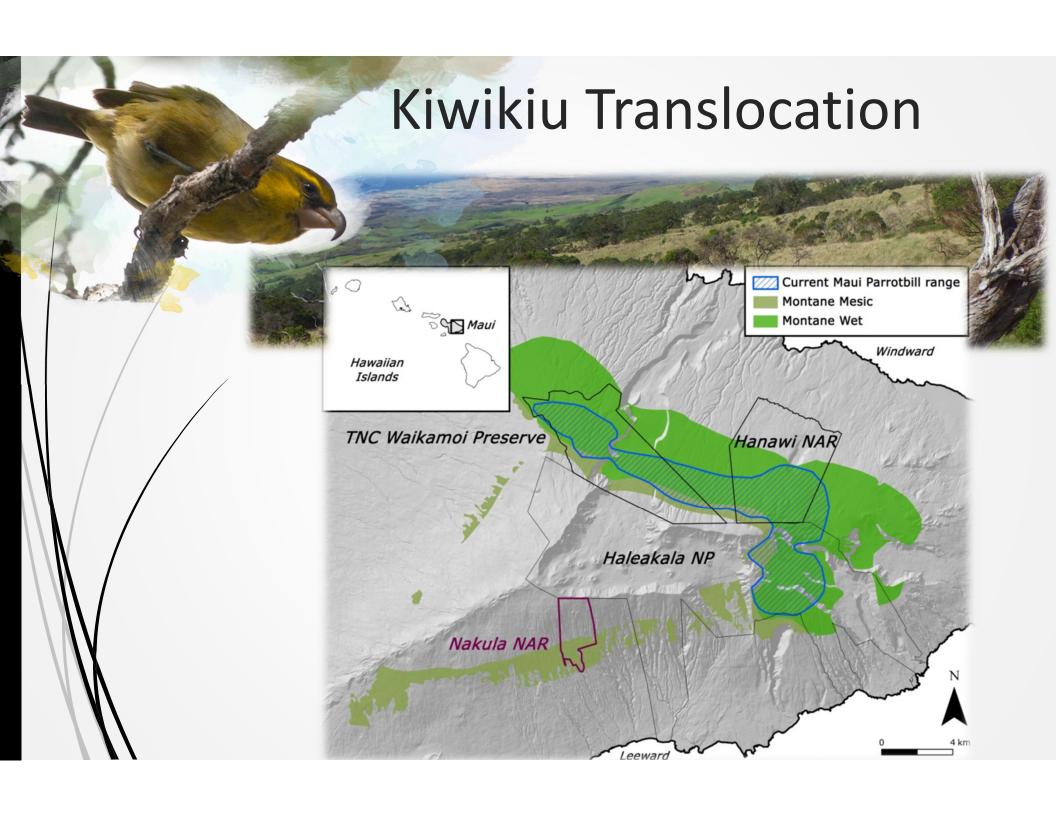


RESEARCH











- Fencing/ungulate removal
- Restoration trials
- Landscape level restoration

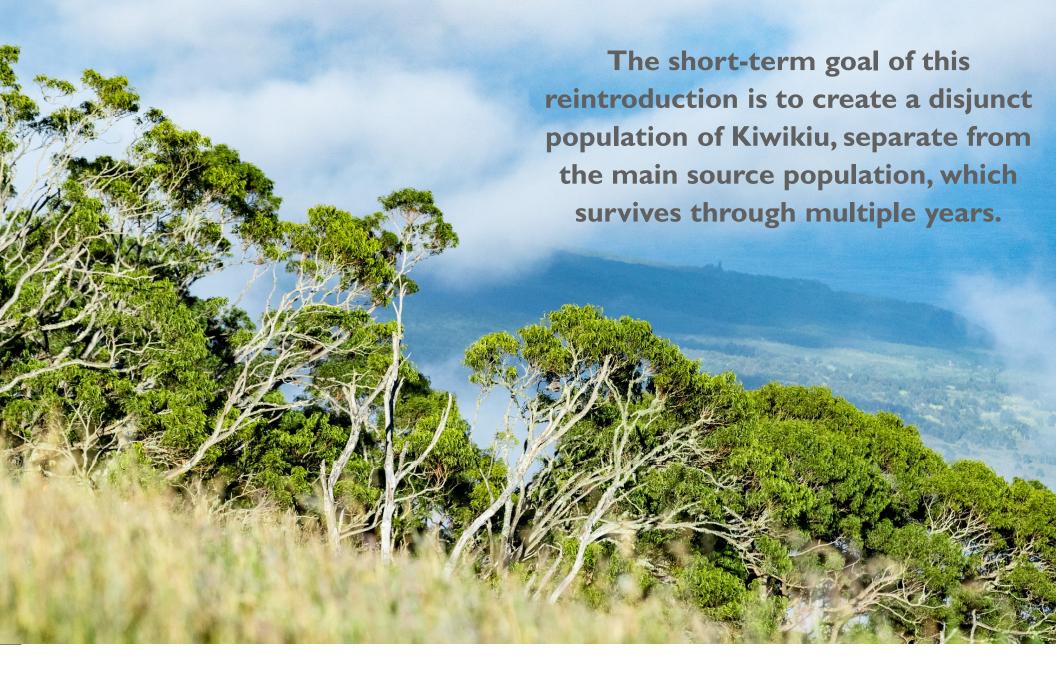




- Fencing/ungulate removal
- Restoration trials
- Landscape level restoration



- Outplanting was very successful; 82% two-year survivorship.
- Nakula is returning to a **primarily forested habitat** through widespread natural regeneration and broad-scale plantings.
- > 250,000 seedlings of 16 native tree and shrub species have been planted on leeward slopes with plans for more restoration across the region.
 - Future challenges will be in **restoring woody plant diversity** to the site, which may be critical to long-term success for Kiwikiu.





Completed tasks prior to reintroduction include:

- Reintroduction Plan finalized.
- Funding secured.
- Disease, mosquito, prey, and predator abundance surveys conducted.
- Nakula forest bird community monitored through repeated annual census.
- Threat reduction for cats, mongooses, and rats ongoing.
- Release aviaries constructed.
- Supplemental feeders designed.



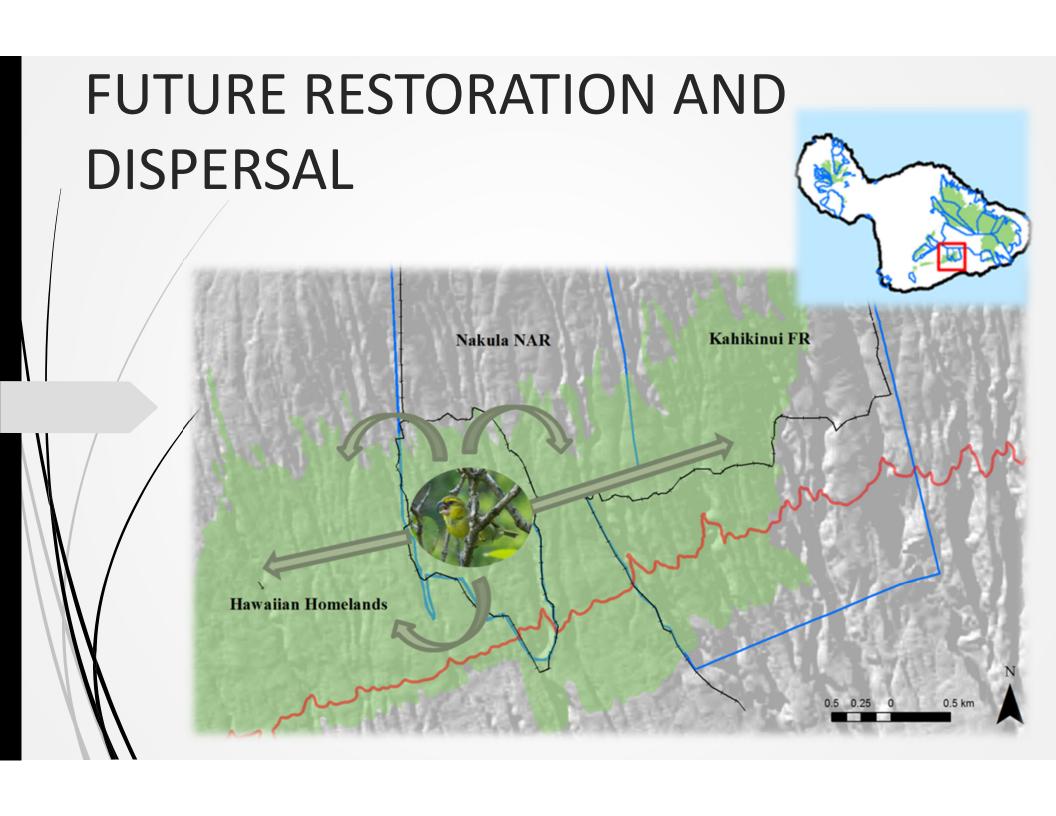


 Cohort for translocation and release will consist of 12 wild and 8 conservation breeding birds individuals.



- Soft release technique
- Food Supplementation
- Post-release monitoring
- Continued forest restoration





PARTNERSHIPS

Maui Forest Bird Working Group including: American Bird Conservancy,
Haleakalā National Park, Leeward Haleakalā Watershed Restoration
Partnership, Maui Forest Bird Recovery Project, National Park Service
Inventory & Monitoring, Pacific Bird Conservation, Pacific Cooperative
Studies Unit, San Diego Zoo Global, State of Hawai'i Department of Land
& Natural Resources – Forestry & Wildlife, State of Hawai'i Department of
Land & Natural Resources – Native Ecosystems Protection &
Management, The Nature Conservancy of Hawai'i, US Fish & Wildlife
Service, and US Geological Survey - Biological Resources Division.

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PEOPLE



