



Jordan Lerma <jordan@nene.org>

Nene Project | Population Data and Methodology

Marshall, Annie <annie_marshall@fws.gov>
 To: Jordan Lerma <jordan@nene.org>

Mon, Feb 27, 2023 at 2:17 PM

Hi Jordan. Here are the population estimates for 2020 and 2021. Population estimate methods vary somewhat between islands/managers, but mostly are the result of their observations of known banded birds and unbanded birds. If this information is used, please cite as indicated.

2021 Nēnē state-wide population estimate from Nēnē Recovery Action Group (NRAG)

Please note that this number is only a rough estimate of the number of nēnē based on an annual count or survey conducted on each island using different methodologies. **Please cite as (Nēnē Recovery Action Group (NRAG) 2022).**

- Maui = **354** (**NOTE:** We used to include estimates for HALE, Hanaula-West Central Maui, Piiholo/Upcountry, and South Maui (includes birds from Kauai translocations and offspring), however, due to increased movements of many birds across the island, we are moving to an island-wide estimate only)
- Moloka'i = **6**
- Kaua'i = **2,430** (**1,127** Hanalei NWR/Kilauea Point NWR and Princeville; **155** Kipu Kai/Kauai Lagoons/Airport/Lihue/Huleia NWR; **644** Na Pali coast/Kokee SP/Makaha Ridge; **257** Koloa/Poipu Bay CG/Kiahuna GS; and **247** Moloaa/Anahola/Kealia/Kauai Ranch)
- Hawai'i = **1,074** (**336** West Hawaii (Puuwaawaa/Big Island Country Club/Waikaloa/Puuanahulu); **260** Puu Oo (from KL, 1 bird moved here from Oahu); **124** Hakalau; **182** HAVO; (0 Kahuku -- all birds are from elsewhere); **84** Keaau/Hilo (0 Keauhou II/Kulani -- all these birds are counted at Hakalau and Puuanahulu and Kipuka Ainahou also counted at Hakalau and Puuanahulu), **46** Kulani, **42** Kau.

TOTAL ~ 3,864

2020 Nēnē state-wide population estimate from Nēnē Recovery Action Group (NRAG)

Please note that this number is only a rough estimate of the number of nēnē based on an annual count or survey conducted on each island using different methodologies. **Please cite as (Nēnē Recovery Action Group (NRAG) 2022).**

- Maui = **477** (**NOTE**: We used to include estimates for HALE, Hanaula-West Central Maui, Piiholo/Upcountry, and South Maui (includes birds from Kauai translocations and offspring), however, due to increased movements of many birds across the island, we are moving to an island-wide estimate only)
- **Moloka'i = 23**
- **Kaua'i = 2,266** (**1004** Hanalei NWR/Kilauea Point NWR and Princeville; **230** Kipu Kai/Kauai Lagoons/Airport/Lihue/Huleia NWR; **457** Na Pali coast/Koikee SP/Makaha Ridge; **254** Koloa/Poipu Bay CG/Kiahuna GS; and **321** Moloaa/Anahola/Kealia/Kauai Ranch)
- **Hawai'i = 1,099** (**330** West Hawaii (Puuwaawaa/Big Island Country Club/Waikaloa/Puuanahulu); **262** Puu Oo (from KL, 1 bird moved here from Oahu); **152** Hakalau; **191** HAVO; (0 Kahuku -- all birds are from elsewhere); **76** Keaau/Hilo (0 Keauhou II/Kulani -- all these birds are counted at Hakalau and Puuanahulu and Kipuka Ainahou also counted at Hakalau and Puuanahulu), **28** Kulani, **60** Kau.

TOTAL ~ 3,865

annie

Annie Marshall, Ph.D.
Fish and Wildlife Biologist
USFWS, Pacific Islands Fish and Wildlife Office
[300 Ala Moana Blvd, Rm 3-122](#)
Honolulu, HI 96850
808-792-9400
email: annie_marshall@fws.gov

From: Jordan Lerma <jordan@nene.org>
Sent: Monday, February 27, 2023 2:07 PM
To: Marshall, Annie <annie_marshall@fws.gov>
Subject: [EXTERNAL] Re: Nene Project I Population Data and Methodology

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