

## **Safe Harbor Agreement - Puu' O Hoku Ranch, Molokai**

Status of SHA: There was no take of Nene at Puu O Hoku Ranch is fiscal year. Nene monitoring was performed on a weekly basis by Dofaw personnel throughout the ending of December 2022. Additional staff from Maui were sent to Molokai throughout the remaining reporting period due to Dofaw personnel retiring. Observation throughout this reporting period resulted in a total of six birds, which as the estimated population size. An annual survey was conducted on Molokai on August 25, 2022, during this period only four birds were recorded.

This past nesting season, no nests were recorded within the open-top release pen at Puu O Hoku Ranch and no additional nests were located on the ranch and adjacent areas.

Maintenance at the three-acre open-top release pen in FY 2023 included monthly checks and repairs of fences, weekly checks of waterlines and water troughs, and mowing in and around the pen. Ten feet of fence line was repaired this fiscal year and one trough was repaired to prevent leaking. A total of 1.0 acre of alien vegetation (lantana and haole koa) was removed from the pen. A total of twenty acres were mowed by staff in addition to Ranch personnel mowing 850 acres within the ranch.

Sixteen traps were checked regularly at the pen. A total of 25 mongoose and 1 cat were removed around the open-top release pen in at Puu O Hoku Ranch.

## **Safe Harbor Agreement – Haleakala Ranch, Maui**

Status of SHA: There was no take of Nene at Haleakala Ranch is fiscal year. Dofaw staff continues to maintain the two acres open-top release pen, conduct predator control, mowing, and maintains access roads leading to the open-top release pen.

Dofaw staff continued weekly monitoring during this reporting period at Haleakala Ranch. A total of 24 banded birds were recorded this season, 20 of these birds were wild banded birds and 4 were translocated birds from Kauai. During this reporting period, a total of 34 birds were sighted in and around the open-top release pen, 24 were banded and 10 unbanded. Three birds were relocated to the open-top release pen, one from Kihei and two from Kahului that had injuries, all were rehabbed and released into the open-top release pen.

A total of three nests were found in FY 2023, all were located inside the open-top release pen. Of the three nests, five goslings were produced and fledged.

Maintenance activities include water units, pond, fencing, roads and mowing. There were no repairs to water units and pond. Ten holes were patched in the closed top pen. A quarter of mile road was also cleared of rock and holes filled were needed. A total of 9.5 acres were mowed in and around the pen in addition to 4.5 acres weed eating. A total of .5 acres of fireweed, bur, guava and lantana was removed inside the pen.

Predator control continued around the open-top release pen resulting in the removal of one mongoose and one rat.

\*\* Trapping and maintenance duties were turned over to tetra tech mitigation in January 2023.

## **Safe Harbor Agreement – Piiholo Ranch – Maui**

Status of SHA: There was take of six Nene this past season, all were goslings. There were 18 nests located in the open-top release pen this past season. Of these 18 nests, only seven nests produced goslings, six nests were abandoned and five were unknown. Six goslings died of unknown causes, seven goslings outcome were unknown, and two fledged the open-top release pen.

Nene monitoring recorded 33 banded birds on the Ranch this fiscal year. An island wide Nene survey was not conducted this past year. Overall, a total of 40 birds were sighted in FY 2023, 33 banded and 7 unbanded.

The open-top fence line was checked and maintained throughout the year. One hole a foot long was repaired on the outer fence line. No repairs were needed for waterline and water troughs. A two-foot perimeter along the fence was weed wacked that totaled 8 acres. Additional 39 acres was mowed this past season to maintain short grass in the release pen and 0.5 acres of Koa branches were removed.

Predator control efforts continue with 70 traps around the open-top release pen. A total of 15 mongoose, two cats and one rat were removed this past season.