

5-YEAR REVIEW

Short Form Summary

Species Reviewed: *Pteropus tokudae* (little Mariana fruit bat)

Current Classification: Endangered

Federal Register Notice announcing initiation of this review:

[USFWS] U.S. Fish and Wildlife Service. 2013. Endangered and threatened wildlife and plants; Initiation of 5-year status reviews of 44 species in Oregon, Hawaii, Guam, and the Northern Mariana Islands. Federal Register 78(24):8185-8187.

Lead Region/Field Office:

Region 1/Pacific Islands Fish and Wildlife Office (PIFWO), Honolulu, Hawaii

Name of Reviewer(s):

Julia Boland, Wildlife Biologist, PIFWO

Megan Laut, Vertebrate Recovery Coordinator, PIFWO

Marie Bruegmann, Acting Recovery Program Lead, PIFWO

Kristi Young, Programmatic Deputy Field Supervisor, PIFWO

Methodology used to complete this 5-year review:

This review was conducted by staff of the Pacific Islands Fish and Wildlife Office of the U.S. Fish and Wildlife Service (USFWS). The review was based on a review of current, available information since the last 5-year review for *Pteropus tokudae* (USFWS 2009). The evaluation by Julia Boland, Fish and Wildlife Biologist, was reviewed by the Plant Recovery Coordinator. It was subsequently reviewed and approved by the Programmatic Deputy Field Supervisor.

Background:

For information regarding the species listing history and other facts, please refer to the Fish and Wildlife Service's Environmental Conservation On-line System (ECOS) database for threatened and endangered species (http://ecos.fws.gov/tess_public).

The little Mariana fruit bat was endemic to Guam, but hasn't been observed since 1968, and is presumed extinct.

Review Analysis:

Please refer to the previous 5-year review for *Pteropus tokudae* published on July 31, 2009 (available at http://ecos.fws.gov/docs/five_year_review/doc2536.pdf) for a complete review of the species' status, threats, and management efforts. No significant new information regarding the species biological status has come to light since listing to warrant a change in the Federal listing status.

New status information: None

New threats: None

New management actions:

- Predator / herbivore control – Efforts continue on Guam to control the brown treesnake (*Boiga irregularis*) at ports of entry and on military lands. Recently, acetaminophen was used as a toxicant to control snakes within a 55-hectare fenced area on Anderson Air Force Base (AAFB), Guam.

Synthesis:

This species was endemic to Guam, but has not been observed since 1968 and is now thought to be extinct. Individuals were never collected for captive breeding, and therefore recovery is not possible.

Recommendations for Future Actions:

- Surveys / inventories – Conduce 5 years of surveys for this species to verify population numbers.

Table 1. Status and trends of *Pteropus tokudae* from listing through current 5-year review.

Date	Estimated Number	Downlisting Criteria identified in Recovery Plan	Downlisting Criteria Completed?
1984 (listing)	0	No criteria identified b/c species presumed extinct when recovery plan was written	NA
1990 (recovery plan)	0	No criteria identified b/c species presumed extinct when recovery plan was written	NA
2009 (5-yr review)	0	No criteria identified b/c species presumed extinct when recovery plan was written	NA
2015 (5-yr review)	0	No criteria identified b/c species presumed extinct when recovery plan was written	NA

Table 2. Threats to *Pteropus tokudae* and ongoing conservation efforts.

Threat	Listing factor	Current Status	Conservation/ Management Efforts
Hunting	E	No longer occurring because no animals remain	No
Habitat loss and degradation	A, E	Ongoing	No
Predation by brown tree snake	D	Ongoing	Partially; efforts to control the brown tree snake at ports of entry and on military lands are ongoing

References:

See previous 5-year review for a full list of references.

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(little Mariana fruit bat)

Pre-1996 DPS listing still considered a listable entity? N/A

Recommendation resulting from the 5-year review:

- Delisting
- Reclassify from Endangered to Threatened status
- Reclassify from Threatened to Endangered status
- No Change in listing status

Programmatic Deputy Field Supervisor, Pacific Islands Fish and Wildlife Office

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Date 2015-06-30