

5-YEAR REVIEW

Short Form Summary

Species Reviewed: *Paroreomyza maculata* (O'ahu creeper)

Current Classification: Endangered

Federal Register Notice announcing initiation of this review:

[USFWS] U.S. Fish and Wildlife Service. 2010. Endangered and threatened wildlife and plants; initiation of 5-year status reviews of 58 Species in Washington, Oregon, California and Hawaii. Federal Register 75: 71726 – 71729.

Lead Region/Field Office:

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

Name of Reviewer(s):

Jason Chow, Biological Intern, PIFWO

Aaron Nadig, Vertebrate Recovery Biologist, PIFWO

Daniel Clark, Oahu, Kauai, Northwest Hawaiian and American Samoa Islands Team Manager, 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), beginning on October 24, 2010. The review was based on a review of current, available information since the last 5-year review for *Paroreomyza maculata* (USFWS 2007). The evaluation of Jason Chow, Biological Intern was reviewed by the Vertebrate Recovery Biologist, Island Team Manager, Vertebrate Recovery Coordinator, and Acting Recovery Program Lead. 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).

Review Analysis:

Please refer to the previous 5-year review for *Paroreomyza maculata* published on August 27, 2010 (available at http://ecos.fws.gov/docs/five_year_review/doc3860.pdf), for a complete review of the species' status, threats, and management efforts. No significant information regarding the species biological status has come to light since listing to warrant a change in the Federal listing status of *P. maculata*.

This small forest bird is endangered and occurs only on the island of Oahu. No additional threats have been found since the previous 5-year review, the number of

individuals remains is unknown, as no management and monitoring has been conducted. The current status and trends for *Cyanea koolauensis* are provided in the tables below.

Synthesis:

The downlisting goals for this species have not been met, since it is not yet known whether the O’ahu creeper still exists (Table 1), and all threats within known and potential suitable habitat are not being sufficiently managed (Table 2). We cannot assume that it is extinct since no monitoring efforts have been done to determine a population. Therefore, *Paroreomyza maculata* meets the definition of endangered as it remains in danger of extinction throughout its range.

Recommendations for Future Actions:

- Surveys / inventories - One of the most important recovery actions for the O’ahu creeper is to intensively and systematically search areas of forest habitat where the species occurred historically. Since the O’ahu creeper has not been seen in 10 years, it was determined to be a Hawaii Rare Bird. Statewide surveys of Hawaiian forest bird populations are conducted along widely spaced transects that do not cover all areas where extremely rare Hawaiian forest birds are most likely to be. Additionally, these surveys do not spend the lengths of time needed to maximize the probability that extremely rare and/or likely extinct Hawaiian forest birds will be detected or rediscovered. Therefore, we recommend that an intensive search for O’ahu creeper be conducted on Oahu using similar methodologies as those employed during the 1994-1996 Hawaii Rare Bird Search. In addition, we recommend that autonomous recording units be deployed in suitable habitats for this species. These field recording units record vocalizations of forest birds. The tapes are then analyzed using computer programs to determine if the target species is present in the area. Use of this technology would greatly increase the amount of search time for this species.

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

Date	Estimated Number	Rare Bird Discovery Protocol identified in Recovery Plan	Downlisting Criteria?
1985 (listing)	2	Identification and prioritize target species	Yes
		Search, find and study target species	Partially
		Evaluate all possible management strategies	No
		Initiate intervention if necessary	No
2006 (recovery plan)	Unknown	Identification and prioritize target species	Yes
		Search, find and study target species	No
		Evaluate all possible management	No

Date	Estimated Number	Rare Bird Discovery Protocol identified in Recovery Plan	Downlisting Criteria?
		strategies Initiate intervention if necessary	No
2010 (5-year review)	Unknown	Identification and prioritize target species	Yes
		Search, find and study target species	No
		Evaluate all possible management strategies	No
		Initiate intervention if necessary	No
2013 (5-year review)	Unknown	Identification and prioritize target species	Yes
		Search, find and study target species	No
		Evaluate all possible management strategies	No
		Initiate intervention if necessary	No

Table 2. Status of threats to *Paroreomyza maculata* from listing through current 5-year review.

Threat	Listing factor	Current Status	Conservation/ Management Efforts
Rodents – predation	A, C	Ongoing	None
Avian malaria – disease	A, E	Ongoing	None
Habitat protection	A, E	Ongoing	None
Climate change	A, E	Increasing	None

References:

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

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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

acting deputy
Field Supervisor, Pacific Islands Fish and Wildlife Office

Maui M. Bluegmann

Date *2013-08-08*