

5-YEAR REVIEW
McDonald's rock-cress (*Arabis macdonaldiana*)
August 2020

GENERAL INFORMATION:

Species: McDonald's rock-cress (*Arabis macdonaldiana*)

Date listed: September 28, 1978

FR citation(s): McDonald's rock-cress final listing rule: 43 FR 44810; Determination of Five Plants as Endangered Species

Classification: Endangered

BACKGROUND:

Most recent status review: *Arabis macdonaldiana* (McDonald's rock-cress) 5-year Review: Summary and Evaluation (05/13/2013).

FR Notice citation announcing this status review: 84 FR 36116 36118 - Initiation of 5-Year Status Reviews of 58 Species in California, Nevada, and the Klamath Basin of Oregon; Notice of initiation of reviews; request for information (07/26/2019).

ASSESSMENT:

This 5-year review was conducted by the U.S. Fish and Wildlife Service's (USFWS) Arcata Field Office. Data for this review were solicited from interested parties through a Federal Register notice announcing this review on July 26, 2019. We also contacted Jennifer Wheeler, Botanist with Bureau of Land Management (BLM) in Arcata, CA, to request any data or information we should consider in our review. Additionally, we conducted a literature search and a review of information in our files.

We have not acquired/are not aware of any information that has become available since the most recent status review. Additionally, we did not receive any information from the public in response to our Federal Register Notice announcing this 5-year review.

Conclusion:

After reviewing the best available scientific information, we conclude that McDonald's rock-cress remains an endangered species. The evaluation of threats affecting the species under the factors in 4(a)(1) of the Act and analysis of the status of the species in 2013 status review (Service 2013, entire) remain an accurate reflection of the species current status.

RECOMMENDATIONS FOR FUTURE ACTIONS:

Because there is some evidence to suggest that the population may have declined since listing (Service 2013, entire), a field study of McDonald's rock-cress should be conducted to determine:

- (1) The degree to which shrub and tree encroachment may be impacting the population;
- (2) The continued presence of McDonald's rock-cress in previously mapped habitat polygons, or other locations at Red Mountain;
- (3) The cause for the observed decline in McDonald's rock-cress in the vicinity of the study sites used by Baad (2002).

Lead Field Supervisor, Fish and Wildlife Service

Approve _____ Date _____

REFERENCES:

Baad, M.F. 2002. The monitoring of rare plant populations permanent plot studies Red Mountain, Mendocino County, California, Permanent plot study update 2002. Unpublished report submitted to Bureau of Land Management, Arcata, CA.

[Service] U.S. Fish and Wildlife Service. 1978. Endangered and threatened wildlife and plants; Determination of five plants as endangered species. Federal Register 43:44810. September 28.

[Service] U.S. Fish and Wildlife Service. 2013. *Arabis macdonaldiana* (McDonald's rock-cress) 5-Year Review: Summary and Evaluation. May 13.