

U.S. FISH AND WILDLIFE SERVICE
5-YEAR STATUS REVIEW
Shrubby reed-mustard (*Hesperidanthus suffrutescens*)

GENERAL INFORMATION:

Species: Shrubby reed-mustard (*Hesperidanthus suffrutescens* (Rollins) Al-Shehbaz [syn. *Schoenocrambe suffrutescens* (Rollins) S.L. Welsh & Chatterley])

Date listed: October 6, 1987

Federal Register Notice of Listing Determination: 52 FR 37416

Classification: Endangered

Most recent status review: 5-Year Status Review, August 7, 2019.

Federal Register Notice citation announcing this 5-year status review: 88 FR 15448 15451, Endangered and Threatened Wildlife and Plants; Initiation of 5-Year Status Reviews of 27 Listed Species in the Mountain-Prairie Region, March 13, 2023.

Lead Region: Mountain-Prairie Region (R6)

Current Recovery Priority Number (RPN): 5C

Methodology used to complete this review: In accordance with section 4(c)(2) of the Endangered Species Act of 1973 (16 U.S.C Section 1531 *et seq.*), as amended (Act), the purpose of a 5-year status review is to assess each threatened and endangered species to determine whether its status has changed and it should be classified differently or removed from the Lists of Threatened and Endangered Wildlife and Plants. Status reviews are to be completed in accordance with Sections 4(a) and 4(b) of the Act (16 U.S.C. Section 1533(c)). This 5-year review was conducted by the U.S. Fish and Wildlife Service's (Service) Utah Ecological Services Field Office. Data for this review were solicited from interested parties through a Federal Register notice announcing this review on March 13, 2023. We also contacted State and Federal partner agencies, species experts, and stakeholders 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.

ASSESSMENT:

Information acquired since the last status review:

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 status review.

We received a report from the Bureau of Land Management's Vernal Field Office in response to our Federal Notice initiating this 5-year review indicating that shrubby reed-mustard is still present at all previously known populations. Therefore, the species distribution remains the same as described in our 2019 status review and this information does not alter our understanding of the species' current distribution.

Conclusion:

After reviewing the best available scientific information, we conclude that *Hesperidanthus suffrutescens* 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 our previous status review (USFWS 2019) remains an accurate reflection of the species' current status.

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Shrubby reed-mustard (*Hesperidanthus suffrutescens* (Rollins) Al-Shehbaz)

Classification: Endangered

Recommendation resulting from the 5-Year Status Review:

- Downlist to Threatened
- Uplist to Endangered
- Delist (Indicate reasons for delisting per 50 CFR 424.11):
 - Extinction
 - Recovery
 - Original data for classification in error
- No change is needed

Appropriate Listing/Reclassification Priority Number, if applicable:

RECOMMENDATIONS FOR FUTURE ACTIONS:

- 1) Reestablish and continue the long-term demographic monitoring across the range of *H. suffrutescens*. Incorporate plant community data collection.
- 2) Continue to survey potential habitat across the range focusing on the gaps between, and the edges of, known populations. This would help address downlisting criteria one.
- 3) Development of a management plan or a formal land designation by the Bureau of Land Management and partner agencies with assistance from the Service. These plans should address current effects from building stone removal and livestock grazing, as well as new or emerging threats such as climate change.

Lead Field Office Approval:

Signature: _____ Date: _____

Literature Cited:

Al-Shehbaz, I.A. 2005. *Hesperidanthus* (Brassicaceae) Revisited. *Harvard Papers in Botany* 10:47-51.

U.S. Fish and Wildlife Service (USFWS). 1987. Endangered and Threatened Wildlife and Plants: Final Rule to Determine *Glaucocarpum suffrutescens* (Toad-flax Cress) to be an Endangered Species. U.S. Fish and Wildlife Service, Denver, Colorado. 5 pp.

_____. 1994. Utah reed-mustards: clay reed-mustard (*Schoenocrambe argillacea*), Barneby reed-mustard (*Schoenocrambe barnebyi*), shrubby reed-mustard (*Schoenocrambe suffrutescens*) recovery plan. Denver, Colorado. 22 pp.

_____. 2019. *Schoenocrambe suffrutescens* (Shrubby Reed-Mustard) 5-year Review Short Form. West Valley City, Utah. 5 pp.