

Added to List/Rank 1B.1 of CNPS Inventory on May 6, 2011

Rare Plant Status Review: *Boechera shevockii*

Proposed New Add to Rank 1B.2 1, G1 / S1

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March 29, 2011

Changes made to original document appear in blue text.

Background

Boechera shevockii is a perennial herb in the Brassicaceae known from only one occurrence in the southern Sierra Nevada in Tulare County. It is included in the *Flora of North America* (Volume 7), and will be included in *The Jepson Manual, Second Edition* (available online at:

http://ucjeps.berkeley.edu/tjm2/review/treatments/brassicaceae_all.html#91276).

Boechera shevockii has sexually diploid pollen and appears to be most closely related to *B. davidsonii* based on morphological characteristics. It is easily distinguished from *B. davidsonii* by having puberulent stems and minutely ciliate basal leaves that are much smaller in size. *Boechera shevockii* also has smaller petals and short petioles that are concealed by leaf remains from the previous year, compared to larger petals and readily visible petioles that extend well beyond the leaf remains of previous seasons in *B. davidsonii*. *Boechera shevockii* is known to flower in June.

Boechera shevockii occurs along ledges of rock outcrops in coniferous forest of the southern Sierra Nevada at an approximate elevation of 2,500 meters.

Boechera shevockii is known only from the holotype collection “along ledges of the large rock outcrops, summit of the Needles, Lloyd Meadows Basin, Sequoia National Forest” from 1975 (Shevock CAS712587). Future surveys for *B. shevockii* throughout the Needles lookout and vicinity should be conducted in attempts to update this historic record, in addition to potentially discovering new occurrences.

Threats to *B. shevockii* are unknown, however with only one known occurrence it should be considered of conservation concern.

Recommended Actions

CNPS: Add to CNPS 1B.2 [1](#)

CNDDDB: Add to CNDDDB G1 / S1

Please review the draft CNPS Inventory record below, respond Yes or No on the proposal to add this species to the Inventory and CNDDDB, and provide any edits/comments. If responding No, please provide supporting information.

Draft CNPS Inventory Record

Boechera shevockii Windham & Al-Shehbaz

Shevock's rockcress

Brassicaceae

Rank 1B.2 [1](#)

Tulare

Durrwood Creek (307C) 3611814

Upper montane coniferous forest/rock outcrop ledges; elevation 2500 meters.

Perennial herb. Blooms June.

Known from only one occurrence on the Needles in Sequoia NF. Similar to *B. davidsonii*. See *Harvard Papers in Botany* 11(1):61-88 (2006) for original description.