

Rare Plant Status Review: *Subularia aquatica* var. *americana*
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Background

Subularia aquatica var. *americana* is an annual, aquatic member of the Brassicaceae. *S. aquatica* var. *americana* is currently known in California from approximately 11 occurrences in Butte, Lassen, Nevada, Plumas, Shasta, Sierra, and Tuolumne Counties. Several of these occurrences are on national park lands. The occurrence in Nevada County may not be this particular variety as its characteristics seem to have more in common with variety *aquatica* than variety *americana* (see *Rhodora* 66: 133 (1964)). There is another occurrence represented by two herbarium specimens collected in "Lake Tahoe"; however, the locality information is too vague to map. *S. aquatica* var. *americana* is also known to occur outside of California in Alaska, Colorado, Idaho, Maine, Michigan, Minnesota, Nevada?, New Hampshire (S2), New York (S3), Oregon, Utah, Vermont, Washington, Wyoming (S2), and Canada. The habitat of this species is on lake margins in red fir forests. It can occur at elevations from 1900 to 3100 meters and can bloom July through September. *S. aquatica* var. *americana* is in *The Jepson Manual* (1993) as an uncommon species restricted in California to the high Sierra Nevada. While there are few documented occurrences, this species may be present in more high elevation lakes in the Sierra Nevada. For this reason, List 4 may be an appropriate status at this time. This species is currently known in California from approximately 11 occurrences and requires review for inclusion in both the CNPS Inventory and the CNDDB.

Recommended Actions

CNPS: Add to CNPS List 4.3

CNDDB: Add to CNDDB as G5T5 / S4.3

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

Draft CNPS Inventory Record

***Subularia aquatica* L. var. *americana* (G. Mulligan & Calder) Boivin** Brassicaceae
"water awlwort"

List 4.3

Butte, Lassen, Nevada?, Plumas, Shasta, Sierra, Tuolumne; Idaho, Nevada?, Oregon, Utah, Washington, Wyoming, and elsewhere

454A [Tioga Pass/3711983], 454D [Vogelsang Peak/3711973], 555B [Webber Peak/3912044], 555D? [Norden/3912033], 572C [Sierra City/3912056], 607C [Jonesville/4012114], 624B [Red Cinder/4012142], 625A [Mt. Harkness/4012143], 645A [Miller Mtn./4012167]

Upper montane coniferous forest (lake margins); elevation 1900-3100 meters.

Annual herb (aquatic), blooms July-September.

Known in California from approximately 11 occurrences. See *Rhodora* 66:132 (1964) for original description.