

Rare Plant Status Review:

Claytonia parviflora* ssp. *grandiflora

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Claytonia parviflora ssp. *grandiflora* (Portulacaceae) is endemic to the western foothills of the Sierra Nevada where it occurs in blue oak/pine woodlands. This subspecies is readily separated from other more common subspecies of *C. parviflora* by its relatively large flowers (10-12mm). It is also a distinct genetic entity as it is the only diploid member of the *C. parviflora* group and can be diagnosed by chromosome counts in addition to floral characteristics. Unlike the common *C. parviflora* ssp. *parviflora*, which is widespread in disturbed and ruderal habitats, subspecies *grandiflora* is generally restricted to scree slopes, rock ledges and decomposing granite outcrops (including road cuts). Based on a review of the locations listed in a recent monograph on *Claytonia* (Miller and Chambers 2006) and a search of the Consortium of California Herbaria, *C. parviflora* ssp. *grandiflora* is reported from approximately 44 occurrences in Amador, Butte, Calaveras, Fresno, Kern, Placer, Tulare, and Tuolumne counties. The status of many of these occurrences is unknown.

In a recent monograph on the genus *Claytonia* (Miller and Chambers 2006), this taxon was suggested as a candidate for List 1B. The authors state: "*C. parviflora* ssp. *grandiflora* may soon attain threatened status as real estate and resort development accelerates in the pine/blue oak woodlands of the Sierra Nevada foothills. Accordingly, this subspecies should be accorded list 1B status by the California Native Plant Society." Although this species was proposed as an addition to List 1B, given the number of previously documented occurrences (44) and the high likelihood of finding more populations of this species, List 4 may be more appropriate at this time. Threats to this taxon include loss of habitat due to development and agriculture. Because *Claytonia parviflora* ssp. *grandiflora* has a limited distribution in California it requires review for inclusion in both the CNPS inventory and the CNDDB.

Recommended Actions

CNPS: Add *Claytonia parviflora* ssp. *grandiflora* to CNPS List 4.2

CNDDDB: Add *Claytonia parviflora* ssp. *grandiflora* as G5T3/S3.2

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 on either of the proposed changes.

Draft CNPS Inventory Records

***Claytonia parviflora* Hook. ssp. *grandiflora* John M. Mill. & K.L. Chambers**

Portulacaceae

“streambank spring beauty”

List 4.2

Amador, Butte, Calaveras, El Dorado, Fresno, Kern, Placer, Tulare, and Tuolumne

238C [Bena/3511836], 238D [Oiler Peak/3511835], 260C [Lake Isabella South/3511854], 261C [Democrat Hot Springs/3511856], 332A [Case Mountain/3611847], 355A [Miramonte/3611961], 376A [Patterson Mtn./3611981], 376C [Lockett Mtn./3611972], 376D [Verplank Ridge/3611971], 377A [Trimmer/3611983], 377C [Peidra/3611974], 397B [Cascadel Point/3711924], 456D [Ackerson Mtn./2711977], 474C [Twain Harte/3812012], 475B [Murphys/3812024], 475C [Columbia/3812014], 475D [Columbia SE/3812013], 476A [Calaveritas/3812025], 476D [Angels Camp/3812015], 492C [Fort Mountain/3812034], 492D [Dorrington/3812033], 493C [Mokelumne Hil/3812036], 509B [Camino/3812066], 509C [Aukumn/3812056], 510A [Placerville/3812067], 510D [Fiddletown/3812057], 527A [Auburn/3812181], 527D [Pilot Hill/3812171], 592D [Paradise East/3912175], 575B [Berry Creek/3912164]

Cismontane woodland/rocky; 250-1200 meters.

Annual herb, blooms February through April (May).

Known from pine/blue oak woodlands in the Sierra Nevada foothills. Threatened by development. See *Systematic Botany Monographs* (78):114-116 (2006) for current treatment and *Novon*(3):270 (1993) for original description.