

P. cirrata v. intermedia added to CNPS List 2.2 on 9/19/07

P. cirrata name changed to P. cirrata v. cirrata on 9/19/07

Rare Plant Status Review:

***Parnassia cirrata* var. *intermedia* (new addition)
and *P. cirrata* var. *cirrata* (name change)**

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May 11, 2007

Information in blue text has been changed since the original status review was sent out

Parnassia cirrata background information:

Parnassia cirrata Piper is a perennial herb in the Parnassiaceae (previously placed in the Saxifragaceae). This CNPS List 1B species is known from approximately six occurrences in the San Gabriel and San Bernardino Mountains, in Los Angeles and San Bernardino Counties. According to *The Jepson Manual* (1993), this taxon also occurs in Mexico. Several early floras (*Munz* and *Jepson Flora* editions) and the original description of the species, include northern California in the distribution of *P. cirrata*. General locations cited for northern California include upper Sacramento Valley, upper Sacramento River, and Mount Shasta region. These northern California locations were not included in *The Jepson Manual* (1993). CNPS and CNDDDB similarly excluded them, assuming them to be misidentifications or other errors because they were disjunct from the range reported in *The Jepson Manual* (1993) and the known southern California occurrences.

Parnassia cirrata varieties:

Martin Lenz published a northern California location of *P. cirrata* as a noteworthy collection in *Madrono* 51(3):331-333 (2004). His collection verified the occurrence of *P. cirrata* in the Sacramento River canyon. Margriet Wetherwax examined the specimens to confirm the apparent large disjunction in the range of *P. cirrata*. She determined that three of Lenz's voucher specimens from Shasta and Siskiyou Counties are in fact *P. cirrata* var. *intermedia*. While only three UC/JEPS specimens bear her annotations, the remaining *P. cirrata* (and var. *cirrata*) specimens at Chico State Herbarium and Jepson Herbarium are assumed to be var. *intermedia* based on their location in Trinity, Siskiyou, and Shasta counties (pers. comm. M. Wetherwax). Based on communications with Margriet Wetherwax, it appears that the southern California plants are var. *cirrata* and the northern California plants are var. *intermedia*. This new taxonomy is to be accepted by Peter Ball, the Parnassiaceae author for the new edition of *The Jepson Manual*.

P. cirrata revision:

P. cirrata as currently listed in CNPS and CNDDDB only includes those occurrences from San Bernardino and Los Angeles Counties. Based on the Intermountain Flora's reclassification of *P. cirrata*, these southern California occurrences will now be included in *P. cirrata* v. *cirrata*. All the information that CNPS and CNDDDB currently has for *P. cirrata* will be transferred to *P. cirrata* v.

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cirrata. All northern California occurrences of *P. cirrata* that were not included in CNPS and CNDDDB previously, will now be placed into *P. cirrata* v. *intermedia*.

P. cirrata var. *intermedia* description:

P. cirrata var. *intermedia* was established by P.K. Holmgren and N.H. Holmgren in the *Intermountain Flora*, Volume 3A (1997) from a reclassification of *P. fimbriata* var. *intermedia* (= *P. intermedia*) and *P. fimbriata* var. *hoodiana*.

P. cirrata var. *intermedia* is currently known in California from approximately 13 occurrences in Siskiyou, Shasta, and Trinity Counties. Outside of California *P. cirrata* var. *intermedia* is known from WA, ID, OR, and NV. This perennial herb occurs in *Darlingtonia* fens as well as in wet meadows in serpentine areas.

Because *Parnassia cirrata* var. *intermedia* appears to be rare in California and occurs only in Shasta, Siskiyou, and Trinity Counties, it requires review for inclusion in both the CNPS Inventory and the CNDDDB.

Recommended Actions

CNPS: Change *Parnassia cirrata* to *Parnassia cirrata* var. *cirrata* and keep on CNPS List 1B.3

Add *Parnassia cirrata* var. *intermedia* to CNPS List 2.2

CNDDDB: Change *Parnassia cirrata* to *Parnassia cirrata* var. *cirrata* and keep on CNDDDB as G4T2/S2.3

Add *Parnassia cirrata* var. *intermedia* to CNDDDB as G4T2T3/S2.2

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

***Parnassia cirrata* Piper var. *intermedia* (Rydb.) P.K. Holmgren & N.H. Holmgren** **Parnassiaceae**

“Cascade grass-of-Parnassus”

List 2.2

Shasta, Siskiyou, Trinity; Washington, Oregon, Idaho, Nevada

682A [Dunsmuir/4112223], 682B (?) [Seven Lakes Basin/4112224], 682C [Chicken Hawk Hill/4112214], 683A [Mumbo Basin/4112225]

Meadows and seeps, bogs and fens / rocky serpentine soil; elevation 780-1980 meters.

Perennial herb, blooms in September.

Known in California from [less than 20 occurrences](#). Possibly threatened by grazing, recreation, and vehicles. Synonymous with *Parnassia fimbriata* var.

Sent to SW, NW, MOD- 5/11/07

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intermedia, *P. fimbriata* var. *hoodiana*, and *P. intermedia*. Not in *The Jepson Manual* (1993). See *Intermountain Flora* 3A:61 (1997) for description.

Parnassia cirrata* Piper var. *cirrata

Parnassiaceae

“San Bernardino grass-of-Parnassus”

List 1B.3

Los Angeles, San Bernardino; Mexico(?)

105C [Forest Falls/3411618]; 105D [San Gorgonio Mountain/3411617]; 109A [Glendora/3411727]; 134C [Mount San Antonio/3411736]; 135D [Crystal Lake/3411737]

Lower montane coniferous forest, meadows and seeps, upper montane coniferous forest / mesic, streamsides, sometimes calcareous; elevation 1250–2440 meters.

Perennial herb, blooms August-September.

Known in CA only from the San Gabriel and San Bernardino mountains. How common is plant in Mexico? See *Parnassia cirrata* in *The Jepson Manual* (1993). See *Intermountain Flora* 3A:61 (1997) for current treatment and *Erythea* 7(1):128 (1899) for original description.