

Rare Plant Status Review: *Calycadenia micrantha*
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Draft prepared by Bill Haskins (CNPS volunteer)
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Background

An unusual form of *Calycadenia* was recently evaluated and described by R.L. Carr and G.D. Carr (SIDA 21[1]:259-265, 2004) as being distinct from the closely related *C. truncata*. The newly described *Calycadenia micrantha* is known from 12 occurrences along the coast ranges in Colusa, Lake, Trinity and Monterey counties. This species only inhabits areas of low plant density in or near areas with exposed rock or packed mineral materials. Due to this habitat restriction and low survivorship, populations generally consist of few plants. The authors conclude that *Calycadenia micrantha* "is surviving in an extremely limited and very fragile habitat. This proposed new addition requires review for inclusion in both the CNPS Inventory and CNDDB. The SIDA abstract is included below:

An unusual form of *Calycadenia* from north central California was studied in greenhouse culture and confirmed to be self-compatible, a condition rare in *Calycadenia*. Based on the distinctive morphology and breeding system of this taxon, it is described and illustrated as a new species, *Calycadenia micrantha*. Although clearly related to *C. truncata* and apparently included in *C. truncata* DC. subsp. *microcephala* H.M. Hall ex. D.D. Keck, this name was rejected as a basionym for the new species because of ambiguities regarding the type, the original description, and specimens cited and/or annotated by Keck.

Recommended Actions

CNPS: Add to CNPS List 1B

CNDDB: Add to CNDDB as G2 / 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 CNDDB, and provide any edits/comments. If responding No, please provide supporting information.

Draft CNPS Inventory Record

***Calycadenia micrantha* R.L Carr & G.D. Carr**

"Small-flowered calycadenia"

List 1B / RED 2-2-3

Colusa, Lake, Monterey, Trinity

296A [Burro Mountain/3512173], 296D [Alder Peak/3512183], 534B [Highland Springs/3812288], 548B [Bartlett Springs/3912226], 549A [Bartlett

Mountain/3912227], 549B [Upper Lake/3912228], 565C [Elk Mountain/3912238], 614B [Swim Ridge/4012322], 633B [Sportshaven/4012344]

Chaparral, **other plant communities?** / rocky, talus, openings, sparsely vegetated areas; 5-1500 meters

Annual herb, blooms June-September.

Most populations small. **Threatened by ??? - Need information on threats.** Not in *The Jepson Manual*. Formerly included in *C. truncata* ssp. *microcephala*, a synonym of *C. truncata* in *The Jepson Manual*. See SIDA 21(1):261 (2004) for original description.