

Rare Plant Status Review: *Lomatium roseanum*
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with assistance from Patrick McIntyre (CNPS Intern)
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Background

Lomatium roseanum is a perennial herb in the Apiaceae. It is known from approximately 5 occurrences in California. The first occurrence of this species in California was documented in 1998, with several other populations subsequently found. Three occurrences of *L. roseanum* are present in Plumas County and 2 occurrences are in Lassen County. [Glenn Clifton mentions that this plant was found in several places in Modoc County on the Infernal Caverns quad; however, more specific data is needed for these occurrences.](#) It is likely that more occurrences of this species will be found in California as more botanists become aware of the species; however, at this time, List 1B seems the most appropriate CNPS list for this species.

L. roseanum occurs in yellow pine forests, as well as in Great Basin scrub habitats between [4800 ft. 5880 ft.](#) and 7040 ft. *L. roseanum* is most easily confused with *L. hendersonii*; however, *L. roseanum* is larger (mostly over 1 dm tall) with ascending peduncles. *L. hendersonii* has short peduncles which are about 1 dm long at maturity and curved to the ground. *L. roseanum* was not mentioned in *The Jepson Manual* (1993) as it was not known at that time to occur in California; however, it will be included in the new edition of *The Jepson Manual*.

There are records of nine occurrences of *L. roseanum* in Nevada, where it is listed on the Natural Heritage Program Sensitive list. It is listed as extirpated on the most recent Oregon Natural Heritage Program list, although an Oregon population was found in 2002. This species is on the [R5 Sensitive Plant List for the Lassen and Plumas National Forests](#) ~~Plumas National Forest's Special Interest List~~ and is on the BLM's California Sensitive Plant List. Local populations of this species can be large (estimates of the Nevada populations total 160,000 individuals, mostly on National Wildlife Refuge lands). The largest known occurrence in California consists of approximately 500 plants. This species may be threatened by logging and grazing. This species requires review for inclusion in both the CNPS *Inventory* and CNDDDB.

Recommended Actions

CNPS: Add to CNPS List 1B.2

CNDDDB: Add to CNDDDB as G2G3 / S1.2

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. If responding No, please provide supporting information.

Draft CNP Inventory Record

Lomatium roseanum Cronquist

(Apiaceae)

"adobe lomatium"

List 1B.2

Plumas, Lassen, [Modoc](#); Nevada, Oregon

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Element Code: PDAP11B2G0
Added to CNPS List 1B.2 on 8/16/07

588B [3912086/Mount Ingalls], 603D [4012013/Ferris Creek], 604A [4012025/Antelope Lake], 622C [4012036/Diamond Mountain], 622D [4012035/Janesville], 692D [4112035/Infernal Caverns]
Lower montane coniferous forest, Great Basin scrub / rocky, gravelly, openings; elevation 4800-7040 ft.

Perennial herb, blooms June-July.

Known from less than 10 occurrences in CA. Threatened by grazing and logging. Potentially threatened by vehicles and wind generation facilities. Can be confused with *Lomatium hendersonii*. Not in *The Jepson Manual* (1993). See *Contributions from the U.S. National Herbarium* 7(1) 224-225 (1900) for original description and See *Great Basin Naturalist* 52(1):75 (1992) for revised nomenclature.

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