

**Report for *Downingia concolor* var. *brevior*****TAXON DETAILS****Classification**

<b>Scientific Name</b>	<i>Downingia concolor</i> Greene var. <i>brevior</i> McVaugh
<b>Common Name</b>	Cuyamaca Lake downingia
<b>Family</b>	Campanulaceae
<b>Element Code</b>	PDCAM06041
<b>USDA Plants Symbol</b>	<u>DOCOB</u>
<b>Synonyms/Other Names</b>	

**Conservation Status**

<b>California Rare Plant Rank</b>	1B.1
<b>Global Rank</b>	G4T1
<b>State Rank</b>	S1
<b>CESA</b>	CE (02/01/82)
<b>FESA</b>	None
<b>Other Status</b>	SB_CRES
<b>CRPR Changes</b>	
<b>Date Added</b>	1980-01-01
<b>Last Update</b>	2021-05-26

**Ecology and Life History**

<b>Lifeform</b>	annual herb
<b>Blooming Period</b>	May-Jul
<b>Elevation m (ft)</b>	1380-1500 (4530-4920)
<b>General Habitats</b>	Meadows and seeps (vernally mesic), Vernal pools
<b>Microhabitat Details</b>	
<b>Microhabitat</b>	

## Threat List Data from the CNDDDB

<b>Threat List Total:</b>		12
	<b>Total EOs</b>	<b>Percent EOs</b>
<b>EOs with Threats Listed</b>	<b>3</b>	<b>75%</b>
<b>Threat List:</b>		
Altered flood/tidal/hydrologic regime	2	50%
Development	2	50%
Recreational use (non-ORV)	2	50%
Road/trail construction/maint.	2	50%
Foot traffic/trampling	2	50%
Grazing	2	50%
ORV activity	1	25%
Surface water diversion	1	25%
Vandalism/dumping/litter	1	25%
Erosion/runoff	1	25%
Biocides	1	25%
Dam/Inundation	1	25%

## Element Occurrence Data from the CNDDDB

<b>Total Element Occurrences:</b>	4
<b>Element Occurrence Ranks:</b>	
Excellent (A)	0
Good (B)	2
Fair (C)	0
Poor (D)	0
None (X)	1
Unknown (U)	1
<b>Occurrence Status</b>	
Historical, > 20 years	2
Recent, < 20 years	2
<b>Presence</b>	
Presumed Extant	3
Possibly Extirpated	1
Presumed Extirpated	0

## Location

<b>California Endemic</b>	Yes
<b>Counties</b>	
San Diego (SDG)	
<b>States</b>	
California (CA)	
<b>Quads</b>	
Cuyamaca Peak (3211685), Julian (3311615), Warners Ranch (3311626)	

## Notes

Definitions of codes preceding a county and/or quad:

\* Presumed extirpated

(\*) Possibly extirpated

Species may be present in other areas where conditions are favorable. These data should NOT be substituted for pre-project review or for on-site surveys.

## Notes

Known from fewer than 5 occurrences in the Cuyamaca Lake area. Threatened by development, altered hydrology, grazing, and recreation. Habitat restoration and seed introduction occurred in 1994; conservation activities occurring as of 1997. See *Memoirs of the Torrey Botanical Club* 19(4):1-57 (1941) for original description.

## Threats

## Taxononmy

## Selected References

## Suggested Citation

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