

## Report for *Calochortus excavatus*

### TAXON DETAILS

#### Classification

Scientific Name	<i>Calochortus excavatus</i> Greene
Common Name	Inyo County star-tulip
Family	Liliaceae
Element Code	PMLILOD0F0
USDA Plants Symbol	<u>CAEX2</u>
Synonyms/Other Names	

#### Conservation Status

California Rare Plant Rank	1B.1
Global Rank	G2
State Rank	S2
CESA	None
FESA	None
Other Status	BLM_S; SB_SBBG; USFS_S
CRPR Changes	changed from 1B.1 to 1B.1 on 2011-01-26
Date Added	1974-01-01
Last Update	2023-06-06

#### Ecology and Life History

Lifeform	perennial bulbiferous herb
Blooming Period	Apr-Jul
Elevation m (ft)	1150-2000 (3775-6560)
General Habitats	Chenopod scrub, Meadows and seeps
Microhabitat Details	
Microhabitat	Alkaline, Mesic

## Threat List Data from the CNDDDB

<b>Threat List Total:</b>		9
	<b>Total EOs</b>	<b>Percent EOs</b>
<b>EOs with Threats Listed</b>	<b>45</b>	<b>64%</b>
<b>Threat List:</b>		
Grazing	40	57%
Recreational use (non-ORV)	4	5%
Road/trail construction/maint.	3	4%
Other	3	4%
Groundwater pumping	3	4%
Non-native plant impacts	2	2%
Vandalism/dumping/litter	2	2%
ORV activity	1	1%
Improper burning regime	1	1%

## Element Occurrence Data from the CNDDDB

<b>Total Element Occurrences:</b>	70
<b>Element Occurrence Ranks:</b>	
Excellent (A)	1
Good (B)	21
Fair (C)	25
Poor (D)	5
None (X)	0
Unknown (U)	18
<b>Occurrence Status</b>	
Historical, > 20 years	38
Recent, < 20 years	32
<b>Presence</b>	
Presumed Extant	70
Possibly Extirpated	0
Presumed Extirpated	0

## Location

<b>California Endemic</b>	Yes
<b>Counties</b>	
Inyo (INY), Mono (MNO)	
<b>States</b>	
California (CA)	
<b>Quads</b>	

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Benton Hot Springs (3711875), Big Alkali (3811922), Big Pine (3711823), Bishop (3711834), Blackrock (3611882), Chalfant Valley (3711853), Chidago Canyon (3711854), Convict Lake (3711857), Deep Springs Lake (3711831), Fish Slough (3711844), Fish Springs (3711813), Independence (3611872), Kearsarge Peak (3611873), Laws (3711843), Lone Pine (3611851), Manzanar (3611862), Poleta Canyon (3711833), Rovana (3711845), Tinemaha Reservoir (3711812), Toms Place (3711856), Union Wash (3611861), Westgard Pass (3711832)

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## **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**

Most occurrences are small remnants of former populations. Threatened by groundwater pumping, development, non-native plants, road maintenance, and grazing. See *Pittonia* 2:71 (1890) for original description, and *Proceedings of the California Academy of Sciences* III 2:146 (1901) for taxonomic treatment.

## **Threats**

## **Taxonomy**

## **Selected References**

**CNPS Status Review:** Proposed Change from CRPR 1B.1, G2G3 to 1B.2, G2 / S2 (2011)

## **Suggested Citation**

California Native Plant Society, Rare Plant Program. 2024. Rare Plant Inventory (online edition, v9.5). Website <https://www.rareplants.cnps.org> [accessed 2 May 2024].