

Report for *Calochortus excavatus*

TAXON DETAILS

Classification

| | |
|----------------------|-------------------------------------|
| Scientific Name | <i>Calochortus excavatus</i> Greene |
| Common Name | Inyo County star-tulip |
| Family | Liliaceae |
| Element Code | PMLI0D0F0 |
| 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

| | | |
|--------------------------------|------------------|--------------------|
| Threat List Total: | | 9 |
| | Total EOs | Percent EOs |
| EOs with Threats Listed | 45 | 64% |
| Threat List: | | |
| 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

| | |
|-----------------------------------|----|
| Total Element Occurrences: | 70 |
| Element Occurrence Ranks: | |
| Excellent (A) | 1 |
| Good (B) | 21 |
| Fair (C) | 25 |
| Poor (D) | 5 |
| None (X) | 0 |
| Unknown (U) | 18 |
| Occurrence Status | |
| Historical, > 20 years | 40 |
| Recent, < 20 years | 30 |
| Presence | |
| Presumed Extant | 70 |
| Possibly Extirpated | 0 |
| Presumed Extirpated | 0 |

Location

| | |
|---------------------------|-----|
| California Endemic | Yes |
| Counties | |
| Inyo (INY), Mono (MNO) | |
| States | |
| California (CA) | |
| Quads | |

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)

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)

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